



VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

(Approved by AICTE, Affiliated to JNTU, Hyderabad)
KONDAPUR VILLAGE, GHATKESAR MANDAL, RANGA REDDY DISTRICT - 501 301.

VMTW INSIGHT

News Letter

Volume-9

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

“ The competent programmer is fully aware of the strictly limited size of his own skill; therefore he approaches the programming task in full humility, and among other things he avoids clever tricks like the plague ” -Edsger Dijkstra

EDITORIAL DESK

Hello!!! We are happy to welcome you all aboard the fledgling 9th edition for the scintillating year 2018. VMTWINSIGHT is the newsletter of the COMPUTER SCIENCE & ENGINEERING which aims to bring forward the buzz from the department in the past few months. The edition demystifies the realms of Computer science & Engineering and also provides insight to the latest technology adopted in the field. Hope our deeds would ignite everyone's life!!!

VISION

To achieve value oriented and quality education with excellent standards on par with evolving technologies and produce technocrats of global standards with capabilities of facing futuristic challenges.

MISSION

M1: To enrich advanced knowledge among students for reinforcing the domain knowledge and develop capabilities and skills to solve complex engineering problems.

M2: To impart value based professional education for a challenging career in Computer Science and Engineering.

M3: To transform the graduates for contributing to the socio-economic development and welfare of the society through value based education

PROGRAM EDUCATIONAL OBJECTIVES(PEOS):

PEO1: To acquire logical and analytical skills in core areas of Computer Science & Information Technology.

PEO2: To adapt new technologies for the changing needs of IT industry through self-study, graduate work and professional development.

PEO3: To demonstrate professional and ethical attitude, soft skills, team spirit, leadership skills and execute assignments to the perfection.

PROGRAM SPECIFIC OUTCOMES (PSOS):

PSO1: Foundation on Software Development: Analyze, design and develop efficient algorithms and software applications to deploy in secure environment to support contemporary services.

PSO2: Industrial Skills Ability: Develop software - solutions using open source environment to deliver quality products for business success.

PSO3: Ethical and Social Responsibility: Communicate effectively in both verbal and written form, will have knowledge of professional and ethical responsibilities and will show the understanding of impact of engineering solutions on the society and also will be aware of contemporary issues.

FACULTY ARTICLE BY MRS. V. INDRANI

Title Name: IOT

FACULTY DEVELOPMENT PROGRAMME

Faculty Development Programme was organized in the month of may-2018 for the staff to enhance their knowledge and skills. **DR. P. SUDHAKARA RAO** Principal had an interactive session with the faculty members and shared his views on teaching.

CAREER DEVELOPMENT CENTER AT VMTW

Who We Are: Our mission is to collaborate with fellow educators and community members to provide a transformative blend of liberal arts, experiential, and career education that is so well integrated, empowering, and responsive to student needs that it emboldens them to pursue pathways to personal, professional, and community engagement that might otherwise have remained hidden or unattainable.

PARENT-TEACHER MEETING

Despite these occasional moments of friction, teachers should do their utmost to see parents as essential partners in their students' education. Parents can be valuable allies in helping students achieve their best, and meetings are a great way to forge those bonds. Conduct masterful, action-oriented parent-teacher meetings. Encourage them to ask questions, provide updates, and express concerns as they see fit -

INDUSTRIAL/INTERNSHIP/SUMMER TRAINING

The Students have attended an internship program by BITS PILANI and NSIC, CODEBEAT where they have gained knowledge in designing an embedded product,-

STUDENT TECHNICAL ARTICLE BY

1. KARLA AMULYA H.T.No.15UP1A0570

Title Name : 5G

2. Padmasri-17-587 & Sindhuja-17-570

Title Name : TECHNOLOGY

Technology is frustration
Can't turn it on, can't get it off
Understand the new work together

Gone is simplicity
Things everybody could do
Golden days
Of "ON" and "OFF";
One single box
To make it easy for you

Today's complications
Make you wonder
What's the use?
How lame it is
To be left behind;
suffer
Your own TV's abuse

Cont...

CAREER DEVELOPMENT CENTER AT VMTW

- Assess interests, values, and skills relating to academic and career interests
- Helping students to choose majors and minors, and making career-related decisions
- Exploring new ideas on professions, industries, applying to graduate programs
- Assist in obtaining Work-Study jobs, internships, jobs, and career positions
- Prepare for interviews
- Helping in preparing resumes, cover letters, and job applications

EMPLOYABILITY ENHANCEMENT

Both offline & online training program's assessments are conducted covering problem solving skills (Quantitative aptitude, verbal ability, Logical reasoning) & soft skills such as behavioral skills, Communication skills, interpersonal skills, mock interview, mock & GD. Besides the above, technical training is provided in the form of certification courses which are relevant to recent in industries.

COMMUNICATION SKILLS

Proper blend of soft skills and aptitude/ verbal proficiency courses are included in the curriculum as complementary skill courses since second semester, which is made mandatory for the successful completion of the degree. Aligning to the placement objective, training is also given in the form of value added/ certification courses in par with the industrial demands. Online support for practice and assessments, Mock interview and Group Discussions by corporate experts were also organized.

S.No.	Course Title	Year	Sem	Training Details
1.	Soft Skills-I	III	I	Quantitative Aptitude, Logical Reasoning
2.	Soft Skills-II	III	II	Quantitative Aptitude, Logical Reasoning, Verbal
3.	Aptitude Skills-I	IV	I	Quantitative Aptitude, Logical Reasoning, Verbal
4.	Aptitude Skills-II	IV	II	Quantitative Aptitude, Logical Reasoning, Verbal
5.	Employability Skills-II	IV	II	Quantitative Aptitude, Logical Reasoning, Verbal
6.	Readiness Assessment Programme	IV	II	Mock Test, Group Discussion, Interview

FACULTY DEVELOPMENT PROGRAM

Faculty Development Programme was organized in the month of may-2018 for the staff to enhance their knowledge and skills. **DR. P. SUDHAKARA RAO** had an interactive session with the faculty members and shared his views on teaching. FDP was conducted for improving the knowledge and skills of the faculty, so that they can share their knowledge with the students, and improve the teaching experience. It was an enlightening experience for the staff and they actively took part in it.

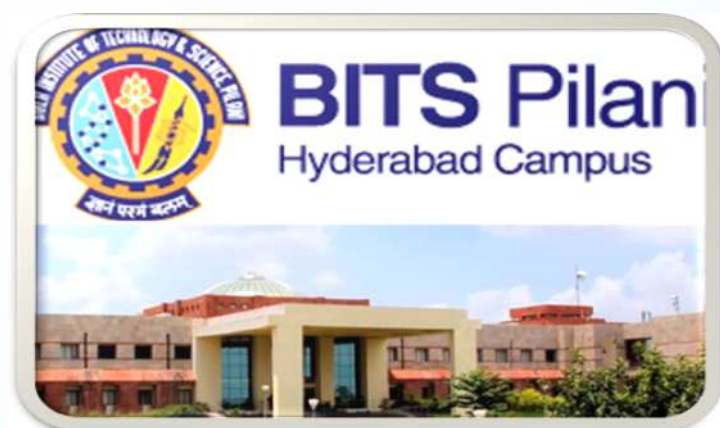


Internships: The following students have been selected for the internship at NSIC apart from their Project.

S.NO	Roll No	Associated Industry	From	To
1	15UP1A0552	NSIC	14/05/2018	10/06/2018
2	15UP1A0591	NSIC	14/05/2018	10/06/2018
3	15UP1A0571	NSIC	14/05/2018	10/06/2018
4	15UP1A0583	NSIC	14/05/2018	10/06/2018

Summer Internship Program: The following students have been selected for the internship at CODE BEAT and TBI- BITS PILANI apart from their Project.

S.NO	Name	Associated Industry	From	To
1	B Nandini	CODE BEAT and TBI- BITS PILANI	01/06/2018	21/06/2018
2	Sri Laxmi	CODE BEAT and TBI- BITS PILANI	01/06/2018	21/06/2018
3	V Sowmya	CODE BEAT and TBI- BITS PILANI	01/06/2018	21/06/2018



INTERNSHIP PROGRAMME AT CODEBEAT



FACULTY ARTICLE BY V. INDRANI

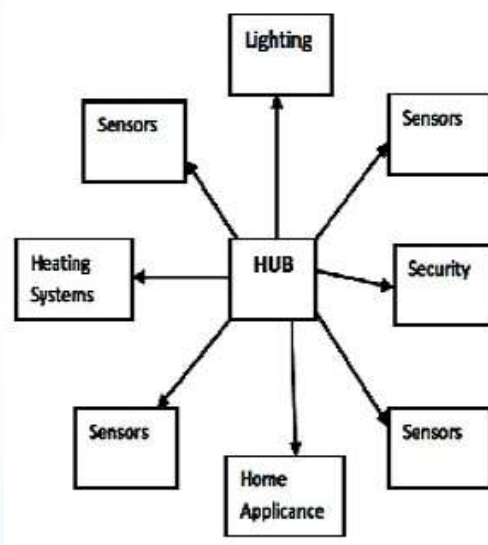
Title Name: FUTURE OF IOT

INTRODUCTION:

IoT has become so vital in our daily life and it is going to create a big impact in the near future. For example, solutions can be provided instantly for the traffic flows, reminding about the vehicle maintenance, reduce energy consumption. Monitoring sensors will diagnose pending maintenance issues, and even prioritize maintenance crew schedules for repair equipment. Data analysis systems will help metropolitan and cosmopolitan cities to function easily in terms of traffic management, waste management, pollution control, law enforcement and other major functions efficiently.

Home Automation System:

Safe Driving With connected cars, insurance companies can offer incentives to drivers to drive well in return for lower premiums. This will make our roads safer and improve the driving experience. Drivers can also use this information to evaluate and improve their driving skills. In a country where we constantly complain about traffic jams, thanks to big data, your car will someday soon wake you up early to remind you that if you don't reach office early, you will have to deal with more traffic. Big data will bring in more predictability in traffic management with data from each vehicle adding up. B. Predictive Maintenance Drivers and fleet managers will now get inputs on vital vehicle diagnostics data leading to detection of issues before they turn into a major problem. This will reduce vehicle breakdowns and ensure hassle free driving as well as improved mileage. Well maintained vehicles also minimize emissions. C. The Data Opportunity According to a recent research, a single connected vehicle has the potential to generate more revenue than 10 conventional nonconnected vehicles. In the future, the market share of OEMs will not be based on units sold but on the data revenue generated per vehicle. Data monetization in an IoT context is still in its infancy and we will see plenty of actions on this front in the near future.



CONCLUSION:

A connected car can dig into its database to come out with suggestions on your favourite number or best route available to pick up your child from her piano class every Friday. With the arrival of 5G, connectivity issues will be a thing of the past. 5G will enable connected cars to send and receive messages faster (up to 10 times a second). 5G will also enable more situational awareness and provide advance warning in case any roadblock or hindrance were to appear on the road you are driving on thereby giving you more time to react.

STUDENT ARTICLE BY KARLA AMULYA H.T. No.15UP1A0570

Title Name: 5G TECHNOLOGY

5G technology going to be a new mobile revolution in mobile market. Through 5G technology now you can use worldwide cellular phones and this technology also strike the china mobile market and a user being proficient to get access to Germany phone as a local phone. With the coming out of cell phone alike to PDA now your whole office in your finger tips or in your phone. 5G technology has extraordinary data capabilities and has ability to tie together unrestricted call volumes and infinite data broadcast within latest mobile operating system. 5G technology has a bright future because it can handle best technologies and offer priceless handset to their customers. May be in coming days 5G technology takes over the world market. 5G Technologies have an extraordinary capability to support Software and Consultancy. The Router and switch technology used in 5G network providing high connectivity. The 5G technology distributes internet access to nodes within the building and can be deployed with union of wired or wireless network connections. The current trend of 5G technology has a glowing future. The 5G terminals will have software defined radios and modulation schemes as well as new error-control schemes that can be downloaded from the Internet. The development is seen towards the user terminals as a focus of the 5G mobile networks. The terminals will have access

Features

- 5G technology offer high resolution for crazy cell phone user and bi- directional large bandwidth shaping.
- The advanced billing interfaces of 5G technology makes it more attractive and effective.
- 5G technology also providing subscriber supervision tools for fast action.
- The high quality services of 5G technology based on Policy to avoid error.
- 5G technology is providing large broadcasting of data in Gigabit which supporting almost 65,000 connections.
- 5G technology offer transporter class gateway with unparalleled consistency.
- The traffic statistics by 5G technology makes it more accurate.
- Through remote management offered by 5G technology a user can get better and fast solution.



HOLI FESTIVAL

Student life here in this college is never dull, however this march -01 was a particularly colorful one with VMTW students participating in HOLI. the HOLI festival is an ancient Indian tradition which celebrates the triumph of good over evil. Coloured powder is thrown and rubbed on people's faces and people come together in song and dance. The festival is filled with so much fun that the very mention of the word Holi brings a smile to anyone's face. HOLI also celebrates the arrival of spring, a season of joy and hope. The Holi day was the perfect reminder of all the benefits of studying in an international program because of all the fun that can come from learning about different people's cultures.



WOMEN'S DAY CELEBRATIONS

One of Hyderabad most prominent and reputed institute VMTW College celebrated womanhood on International Women's Day but with a different fervor. Bringing together all the female staffs (teaching and non-teaching, students of final year college decided to hold an interactive session where everyone could put forward their views and perspectives freely. Centered on the theme "**BEYOND CLASSROOM: CELEBRATING WOMANHOOD**", an idea generated by HOD the female colleagues exchanged several views on topics related to both personal and professional lives. Beyond Classroom is the college newsletter, discussed on various issues in the society.

Dr. A. Gautami Latha , Head of Department of Computer Science & engineering also the editor of the newsletter, said, "The purpose behind publishing a special edition of "Beyond Classroom: Celebrating Womanhood" was to bring light to the hidden talent of the female teaching and non-teaching staff of the college. It is not just about highlighting their talent but also about laying focus on pertinent social and economic issues for further betterment of amenities. This will enable us to enhance the efficiency and performance of our staff.

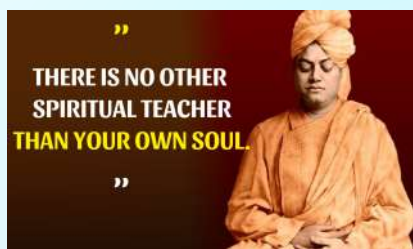


IMAGE OF WOMEN'S DAY



THE ENDEARING SPREE
CONTINUES WITH THE NEXT.....