HOD's Message

Dear Readers….!

The department of IT is one of the pioneering departments of this institution. We offer our students good educational experience that combines intellectual rigor and cross-disciplinary breadth in an organized, student centered environment. We aim at training students in the areas of emerging Technologies like IoT, AI, ML, Cloud Computing, and Block Chain Technology including Cyber Security. We provide opportunity to students to explore their interests in UI Path, Robotic Process Automation, and ERP genre besides hard core software engineering.

Especially, during the grave situation of Covid-19 it's only the IT sector which has given us some soothing personally and of course professionally. Sitting at home all the IT sector have done their work tremendously giving no way for break in their service professionally and also helped the society updating about the grievances, loss of lives and cautioned us every minute constantly the care to be taken to guard ourselves. Kudos to the IT Sector!! You have given a ray of hope.

Python for Machine Learning Workshop through IBM to III & IV B.Tech Students

Vasireddy Venkatadri Institute of Technology, Nambur, organized a series of virtual workshops on Python for Machine Learning, during Covid-19 in awake of making the students keep in touch with the emerging trends, scheduled during the academic year 2020-21, August 2020 as informed by Sri Vasireddy Vidya Sagar, Chairman of VIVA-VVIT Institutions.

Keeping in view, the pandemic situation caused by Covid-19, The Chairman of VIVA-VVIT Institutions, Sri Vasireddy Vidya Sagar has taken the initiation of conducting virtual workshops for III B.Tech and IV B.Tech students as they were off track due to cancellation of classes. Sri Vidya Sagar, along with all the HOD's and Dean's had brainstorming sessions and took the decision to channelize the students potentials. The final outcome is, after having discussions with IBM Company using Cisco Webex Platform, the virtual workshop.

The resource person, Mr. C Yuktesh, has long association with IBM and working full time with academic initiatives, to help various Universities to embrace Bluemix in their respective curriculum.

A series of workshops on Python for Machine Learning was conducted on 27-08-2020 between 3.00 PM and 5.00 PM. In continuation python for data analysis and visualization was held on 03-09-2020, Thursday between 3.00 PM and 5.00 PM. ML Techniques – Supervised and Regression session was held in next session on 10-09-2020. On the topic, "ML Techniques - Supervised and Classification" session was held for two hours on 17-09-2020 stipulated date and time 3.00 PM to 5.00 PM. In the fifth schedule a two hour workshop on ML techniques - Unsupervised and Clustering was conducted on 24-09-2020. Last in the series, advanced ML algorithms workshop was conducted. On the whole, six scheduled workshops were conducted for twelve hours in the span of a month with cutting edge technologies in six spells.

Students were highly impressed as they were exposed to many applications. Understood that major industries around the world are scouting for highly innovative technologies to find something new that can use to stream line operations and cut down costs. It is understood that in the world, machine learning technology will go up and going to replace all manual tasks. Currently, ML applications helps for all industries such as health care, bank, software and retail, automotive, government sector, oil and gas industries.

Application of Machine Learning
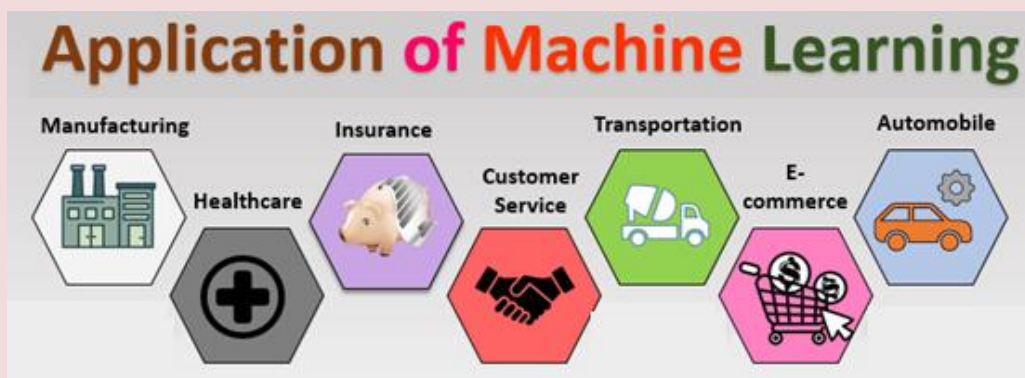
The main feature of this revolution that stands out is how computing tool and techniques have been democratized. Students were introduced to this usage as it helps them to learn the operation of Webex from a mobile device or a desktop without any problem. Webex assistant is used to take notes or make appointment directly from the app. Sitting at home in any corner of the world, contents such as slides, videos can be shared. Students understood Webex advantages, its security and it is a complete tool.

156 students from III B.Tech and 136 students from IV B.Tech of IT Department have registered for this virtual workshop and gained knowledge about ML Techniques through this platform. In toto, 292 students attended the workshop virtually.

All the registered and participants were issued E-certificates with meritorious badges. These badges are issued based on their performance and one students from III B.Tech excelled in performance and was given 5 badges. Totally 25 badges were issued to the students.

As per the vision and mission of our VVIT, Our Chairman of VIVA-VVIT Institutions, Sri Vasireddy Vidya Sagar, a silent visionary with a missionary zeal, in this regard stated that the institute is always ready to support and take up any challenging step forward in to the realization of its vision.

Principal Dr. Y. Mallikarjuna Reddy, during this valedictory event said that this ML Techniques is a emerging concept and shared his happiness as 292 students participated with interest in this workshop.

HoD-IT Dr.A.Kalavathi and HoD-CSE, Dr R.Eswariah along with faculty co-coordinators Dr. P. Lakshman Kumar – Associate Professor and Mrs. M. Rajya Lakshmi, Associate Professor of IT Department observed students participation keenly and monitored regularly.

At the end, HoD-IT, Dr.A.Kalavathi, concluded by saying that ML is a trendy concept and the field is extending. Avenues are pouring in this field as ML offers solutions to complex work problems.

Add-on Course to II B.Tech IT Students on Data Analytics with R-programming

Vasireddy Venkatadri Institute of Technology, Nambur, organized a nine weeks course on Data analytics with R, scheduled during the academic year 2020-21, October 2020 as informed by Sri Vasireddy Vidya Sagar, Chairman of VIVA-VVIT Institutions.

Considering the demand of company requirements, IT department is always a head of planning and executing workshops, seminars, symposiums on cutting edge technologies. The add-on courses boost the student's confidence and give an edge over others as their performance is comparatively better to others. They also strive to be ahead and have a smooth take off during placements.

This workshop on Data Analytics with R – programming is a powerful and statistical tool where this can be deployed today across a variety of industries and fields especially in wall marts where hundreds of crores of business is done daily. It delivers better more specific insights in social media and websites which provide an effective data handling and storage facility and graphical facilities for data analysis and display. Besides teaching, to gain real-time experience students are given practical sessions.

To enhance the learning curve in students, assignments and quizzes are conducted at different intervals. Achieving good grades in academics is not sufficient these days. Workshops on updated technologies are mandatory to undergo for students to enhance their career path.
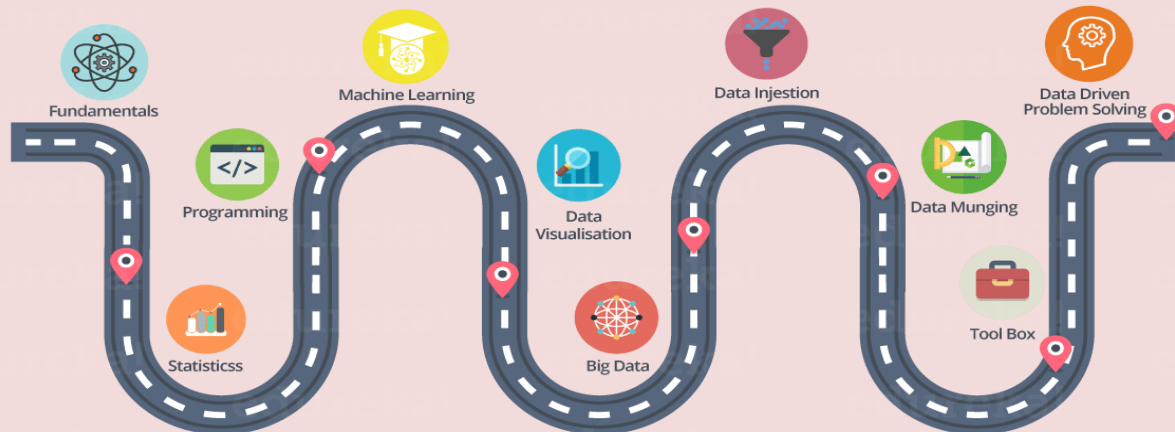
The Chairman of VIVA-VVIT Institutions, Sri Vasireddy Vidya Sagar, a silent visionary with a missionary zeal, in this regard congratulated all the registered students who took an active part and vital role in making this workshop a grand success. He also stated that the institute is always ready to support and take up any challenging step forward in to the realization of its vision.

Principal Dr. Y. Mallikarjuna Reddy, during this valedictory event said that this Data Analytics with R is an emerging concept and felt elated as 186 students actively participated even during the pandemic.

HoD-IT Dr.A.Kalavathi and HoD-CSE, Dr R.Eswariah along with department faculty played a significant role in observing students participation consistently.

In a concluding note, HoD-IT Dr.A.Kalavath, is delighted as CSE & IT departments of VVIT are eager in keeping the students of VVIT on high pedestal.

Academic Toppers

4-2 Results

16BQ1A1244	16BQ1A1203	16BQ1A1240	16BQ1A1248	16BQ1A1241	16BQ1A1245
P L Chandana	A V Rupa	Y.Pavithra	S. Srija	P. Janaki Rani	R. Prudhvi
8.88 SGPA	8.75 SGPA	8.75 SGPA	8.75 SGPA	8.63 SGPA	8.63 SGPA

Conferences Attended by Faculty

S.No	Name of the Faculty	Title of the Paper	Name of the Conference	Host Institute
1	Dr.Sai Jyothi Bolla (Professor)	A Novel Framework or Modelling Medical Sensitive Data using Document Based Databases	2nd International Conference On Computational And Bio Engineering (CBE'20) - Virtual Conference from 4-5 December 2020	Sri Padmavati Mahila Visvavidyalayam (Women's University) Tirupati, AP.
2	T.Lakshmi Praveena (Asst. Professor)	An Enhanced Autism Spectrum Disorder Detection Model using Convolutional Neural Networks and Machine Learning Algorithms	2nd International Conference On Computational And Bio Engineering (CBE'20) - Virtual Conference from 4-5 December 2020	Sri Padmavati Mahila Visvavidyalayam (Women's University) Tirupati, AP.

FDP/Seminars/Workshops attended by Faculty

SNO	Name of the Faculty	Title	Organized by	Duration
1	Ms. M. Rajya Lakshmi (Assoc.Professor)	Recent Advancements in Artificial Intelligence and Machine Learning	SRM University, AP	5 days (02-11-2020 to 06-11- 2020)
2	Ms. M. Rajya Lakshmi (Assoc.Professor)	Deep Learning for Computer Vision Medical Applications	Narasaraopet Engineering College (Autonomous), Narasarao Pet	5 days (16-11-2020 to 21-11- 2020)
3	Ms. M. Rajya Lakshmi (Assoc.Professor)	Deep Learning for Computer Vision Medical Applications	Narasaraopet Engineering College (Autonomous), Narasarao Pet	6 days (30-11-2020 to 05-11- 2020)
4	Ms. Thrilochana Devi K (Asst. Professor)	Webinar on Effective Methods and strategies for Quality Research Paper Writing and Academic publishing	Swami Rama Himalayan University, Dehradun, Uttarakhand, India	One day (24-10-2020)
5	Ms. Thrilochana Devi K (Asst. Professor)	One Week FDP on Stress and Anger management	JECRC Foundations through TEQIP- III RTU (ATU)	5 days (15-12-20 to 19-12-20)
6	Mr. Y. Venkata Narayana (Asst. Professor)	Webinar on "Number Theory and Cryptography"	Department of Basic S&H, Vignan Institute of Information Technology, Visakhapatnam	One day (05-11-2020)
7	B.Lakshmi Praveena (Asst. Professor)	Online Teaching	IUCEE	5-6-20 to 5-9-20

Student Placements

"Everyone counts" is the mantra of VVIT for Training & Placements Cell. The students of IT in their 7/8 semester of study itself got offer letters from reputed companies. It shows the commitment of the Institute, dedication of Department and potential of IT students. The placed students, includes advanced learners, average earners and even diffident learners.

The packages and roles that these students offered by the MNC's companies, prove that they have achieved the graduate attributes. The lesson plans of individual courses through projects, laboratory viva voce examinations through company technical experts interview are meticulously planned with a missionary zeal by the system as a whole in VVIT in general and Department of IT in specific for the holistic improvement and benefit of its stakeholders.

HackWithInfy Selected Students-4 with 7 LPA | **Hexaware (3.5 LPA)** | **Maventic (3.2 LPA)**

| 17BQ1A1216 B Tejaswi | 17BQ1A1270 K Gupta | 17BQ1A1283 K Geethanjali | 17BQ1A12D7 P. Priyanka | 17BQ1A1201 A Jahnavi | 17BQ1A12E1 R Praneetha |

Infosys Selected Students- 35 with 3.6 LPA

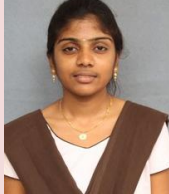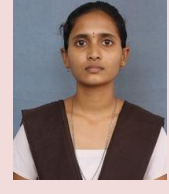| 17BQ1A1207 A Prasanna	17BQ1A1215 G.B.Supraja	17BQ1A1218 B Tejaswi	17BQ1A1219 B Mounica	17BQ1A1227 Prathyusha	17BQ1A1228 Ch. Madhuri	17BQ1A1237 G. Sneha
17BQ1A1251 G. Harika	17BQ1A1258 K. Pragathi	17BQ1A1262 K. Kavya	17BQ1A1272 K. S. Ramana	17BQ1A1282 K. Bhavya	17BQ1A1285 K. Haritha	17BQ1A1288 Tejasri
17BQ1A1292 Navya.M	17BQ1A1298 Sravya M	17BQ1A1299 Jyostna M	17BQ1A12A1 Pavithra M	17BQ1A12A3 Pratyusha M	17BQ1A12B3 N.Bhavya Sri	17BQ1A12B7 P. Divya
17BQ1A12C6 U. Maheswari	17BQ1A12D4 P. Mahesh	17BQ1A12D6 P Chandrika	17BQ1A12E0 P.Nagalakshmi	17BQ1A12E1 R Praneetha	17BQ1A12E2 R. Chaitanya	17BQ1A12E3 RPrasanth
17BQ1A12F2 Sk. Ismail	17BQ1A12G1 Abhishek T	17BQ1A12G2 T.Alekhya	17BQ1A12G9 T. Bharadwaja	17BQ1A12H0 T. Narasimha	17BQ1A12H1 T. Pushpa	17BQ1A12H5 Siva Kumari

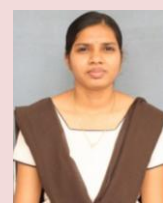## TCS Codevita Selected Students-8 with 3.6 LPA

17BQ1A1215 G.B.Supraja	17BQ1A1228 Ch. Madhuri	17BQ1A1253 J. Navya	17BQ1A1264 K Rakesh	17BQ1A1281 K S Priya	17BQ1A1283 K Geethanjali

CTS Gen C Selected Students- 21 with 3.6 LPA

17BQ1A1216 B Tejaswi	17BQ1A1228 Ch. Madhuri	17BQ1A1240 G Bharath	17BQ1A1247 G. Jeevana	17BQ1A1251 G. Harika	17BQ1A1258 K. Pragathi	17BQ1A1270 K Gupta
17BQ1A1283 K Geethanjali	17BQ1A1288 Tejasri	17BQ1A1292 Navya.M	17BQ1A1295 M.Jagadeeswari	17BQ1A12B7 P. Divya	17BQ1A12C7 P. Niharika	17BQ1A12D4 P. Mahesh
17BQ1A12D6 P Chandrika	17BQ1A12E0 P.Nagalakshmi	17BQ1A12E3 RPrasanth	17BQ1A12E4 S. Chetan	17BQ1A12F6 S.Swathi	17BQ1A12G9 T.Bharadwaja	17BQ1A12H5 Siva Kumari

TCS NQT Selected Students-18 with 3.5 LPA

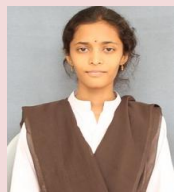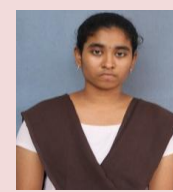| 17BQ1A1201 A Jahnavi	17BQ1A1227 Prathyusha	17BQ1A1233 D. Kathyaeeni	17BQ1A1247 G. Jeevana	17BQ1A1258 K. Pragathi	17BQ1A1269 K. Lathasri
17BQ1A1274 K. Ajay	17BQ1A1286 K. Lalitha	17BQ1A12A1 Pavithra M	17BQ1A12D6 P Chandrika	17BQ1A12D7 P. Priyanka	17BQ1A12E3 RPrasanth
17BQ1A12F2 Sk. Ismail	17BQ1A12F6 S.Swathi	17BQ1A12G2 T.Alekhya	17BQ1A12H0 T. Narasimha	17BQ1A12G9 T.Bharadwaja	17BQ1A12H5 Siva Kumari

Editor's Special - The New-Normal

As the colleges opened from November 2020, with sanctions by government, we are meeting personally again for the past two months, after a long break. I pondered over the situation that made all of us apart for these months and while browsing through the blogs on impact of Covid-19 on higher education, I found lot of things relevant and useful for our wellbeing. We have been heading towards a new normal situation and at this juncture we need to try to reinvent the ways to cope up with situation after pandemic break. We know the pressure on students, teachers and our institution is very high. After the initial phase of complete overhaul, it is critical to understand the short and long-term impact and future measures. Here are a few actions that would affect our social and educational life. By the recommendations of several scholarly personalities, we chalked out certain quick actions as initiatives our level, to tune to the new-normal.

#1: Online learning option will be there and improvised

An immediate and effective response to the crisis was to go digital. Developing robust online platforms has become necessary to offer continuity in learning. Yet in a developing country like India with vast disparity in socio-economic backgrounds of students and the quality of educational institutions, the shift has not been easy. The digital divide has been further widening the gap, and needs urgent attention from both public and private sector players as the crisis continues. Good teachers, refreshed curricula and effective tools will ensure students stay involved and active in the learning process.

#2: Students at high risk areas will stay at home and connect online

Intermittently, if some students are in high risk areas, they will be given access to attend online sessions. The assignments and others will be done by them for submission in stipulated time.

#3: Planning to evolve new trends in teaching & learning

Department encourages all teaching and non-teaching staff to sharpen their teaching-learning techniques semester-wise towards outcome based education to cater to the growing needs of millennial students. The innovative teaching pedagogies, deliberated by the scholarly personalities from higher educational institutes, are sincerely chiselled by attending national and international level training programs.

#4: A call for greater global collaboration between students, academia & industry

Opportunities for student mobility and practical exposure through exchange programmes, internships, participation in conferences, and more could likely be off the table for some more time. Innovative new forms of collaboration and alternative paradigms are needed to drive learning, research and teaching. Sharing of knowledge between institutions globally through joint-teaching, virtual guest lectures, etc. could give students an enriched global perspective in these difficult times.

#5: Upgrading ourselves to rise up to the challenge

A paucity of contemporary engineering educators has been a challenge already, and it is growing more serious with virtual classes on the scene. Faculty are being called upon to redesign course content to meet the current and future needs. Moving away from traditional pedagogies, our institution is focussing on all activities that inculcate innovation in teaching-learning.

****

Department Vision:

To produce IT professionals who can develop globally competitive and socially useful information technology enabled solutions and products that offer cost effective solutions, for organizations, in particular and society in general, through their innovative ideas, and to create a knowledge pool through research in this field.

Department Mission:

1. Producing information technology professionals for the Global IT industry.
2. Developing student centric and qualitative teaching-learning practices.
3. Establishing infrastructure that endows cutting edge technology requirements of the industry.
4. To extend service to the public, the state and the nation at large by building quality engineers.
5. To carve disciplined and socially, technologically better responsible citizens.
6. To make the students pursuing information technology the technological ambassadors of VVIT in whatever part of the world they find themselves in their future careers.

Program Educational Objectives (PEO'S):

PEO-1: Solid Foundation and Core Competence

To provide the graduates with concrete base in Information Technology, to pursue higher studies and to succeed in industry / technical profession with global competence by imparting acute technical skills like designing, modelling, analyzing and problem-solving on top of solid foundation in mathematical, scientific, computing and engineering fundamentals.

PEO-2: Employability & Research Spur

To train the graduates for a higher degree of employability in both public and private sector industries at national and international level by imparting ability to Re-learn and innovate in ever-changing global economic and technological environments and to contribute effectively in research and development.

PEO-3: Professional Skills and Societal Contribution

To inculcate the graduates to have basic interpersonal skills, effective communication skills to teamwork/ lead in multidisciplinary approach, under diverse professional environments by handling critical situations through lifelong learning with an ethical attitude(administrative acumen) and an ability to relate engineering issues to broader social context.

PEO-4: Real World Competency & Innovation

To enable students with good scientific and engineering breadth and technology skills so as to comprehend, analyze, design, and create novel products and solutions for the real life problems to emerge as researchers, experts, educators & entrepreneurs.