VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY

Approved by AICTE, Permanently Affiliated to JNTU Kakinada,
NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified,
NBA Accredited: B. Tech Programs– CE | CSE | ECE | EEE | ME | IT

DEPARTMENT OF INFORMATION TECHNOLOGY

Dear Readers….!

Wishing this newsletter finds you all in a safe and healthy condition, especially students and your parents.

As the fight with Covid-19 pandemic is still ON, we are all circumspect and watchful in all our activities every day. This kind of prudent nature should become a part of our life throughout this season to safe guard ourselves and our society from being hit by the CORONA Virus and several variants as its spreading.

The mixed mode of online and offline delivery is the need of this hour and you all know very well, how important it is. Our priorities now are, i) your learning graph to be continuous, effective and unaffected ii) best utilization of on-line resources and iii) all our safety. I wish we all get acquainted with the 'new-normal', for our safety and there by the society. Stick to the new-normal and add an iota of knowledge every day to progress yourself towards your aim.

We, IT Dept, felt it's important to explore the entire cutting-edge IT facets that are serving the mankind to fight with COVID-19 Pandemic. In this issue, we made enough room to provide that content, for the sake of students especially. Please do read and enjoy. That's all from my desk.

STAY HOME, STAY SAFE, STAY CONNECTED
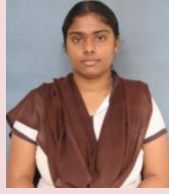
COURSERA - Add – on Course to Students

"Insatiable curiosity and thirst for learning", might be the motive for continuous and life-long learning in many of the scholarly personalities. This self-learning component of graduate attribute shall be inculcated in the students from their very first year of engineering. The online learning gives much space for the students to hook up to the international standard Learning Management Systems like Nptel, Coursera, Udacity, Udemy etc. It gives immense scope for the students to learn at their own pace, while imbibing the global learning etiquette. In this regard, as an institutional policy, all students are encouraged to pursue Coursera's emerging technology related globally most popular courses, so that they befit to the industry standards in advance than all others. Department of IT, encourages all the advanced, mediocre and even diffident learners to aim for the completion of their interesting courses in Coursera. In this scenario, every semester good number of students successfully completed their Coursera certification courses. Following are the list

SNO	Regd No	Name of the Student	Course Name	Month & Year	Sponsoring Agencies
1	18BQ1A1289	Monica Mandava	Reliable Google Cloud Infrastructure: Design and Process	February 2021	Coursera
2	18BQ1A1289	Monica Mandava	Essential Google Cloud Infrastructure: Foundation	February 2021	Coursera
3	19BQ1A1226	Ch Lakshmi Dedeepya	Python Basics	March 2021	Coursera
4	19BQ1A1226	Ch Lakshmi Dedeepya	AI for everyone	March 2021	Coursera
5	18BQ1A12E0	Seelam Mounica	Essential Google Cloud Infrastructure: Core Services	February 2021	Coursera
6	18BQ1A12E0	Seelam Mounica	Architecting with Google Compute Engine	February 2021	Coursera
7	18BQ1A12H4	Vinnakota. Jaya Sri	Architecturing with Google compute engine	February 2021	Coursera

3-2 Toppers

17BQ1A12F9 **T. Puja Sri** **8.33 SGPA**	**17BQ1A12C5** **P. Prameela** **8.19 SGPA**	**17BQ1A1215** **G.B.Supraja** **8.14 SGPA**	**17BQ1A12C6** **Uma Maheswari** **8.14 SGPA**	**17BQ1A1201** **A Jahnavi** **8.0 SGPA**	**17BQ1A1206** **A Kavyasri** **8.0 SGPA**
17BQ1A1219 **B Mounica** **8.0 SGPA**	**17BQ1A1223** **B Amruthavalli** **8.0 SGPA**	**17BQ1A1233** **D.Kathyaeeni** **8.0 SGPA**	**17BQ1A12C7** **P. Niharika** **8.0 SGPA**	**17BQ1A1277** **K Dhakshayani** **7.9 SGPA**	**17BQ1A1283** **K Geethanjali** **7.8 SGPA**
17BQ1A1293 **M Sai Vineela** **7.8 SGPA**	**17BQ1A12B3** **N.Bhavya Sri** **7.8 SGPA**	**17BQ1A12D6** **P Chandrika** **7.76 SGPA**	**17BQ1A12B7** **P. Divya** **7.7 SGPA**	**17BQ1A1292** **M. Navya** **7.7 SGPA**	
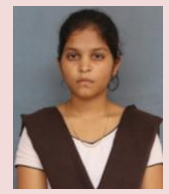
2-2 Toppers

18BQ1A12D1 **R. Anusha** **8.41 SGPA**	**18BQ1A12D5** **R. Harika** **8.41 SGPA**	**18BQ1A12D4** **R. Sai Keerthi** **8.27 SGPA**	**18BQ1A12F3** **T. Nandini** **8.27 SGPA**	**18BQ1A1258** **K Indhasa** **8.27 SGPA**	**18BQ1A1288** **M. Sruthi** **8.14 SGPA**	**18BQ1A12D2** **R. Pavan** **8.0 SGPA**
18BQ1A12G1 **T. Poojitha** **8.0 SGPA**	**18BQ1A12H2** **R.Vidhyamini** **7. 95 SGPA**	**18BQ1A1229** **D. Srija** **7. 91 SGPA**	**18BQ1A1231** **D. Harshitha** **7. 91 SGPA**	**18BQ1A1286** **K. Manasa** **7. 86 SGPA**	**18BQ1A1259** **K Keerthana** **7. 73 SGPA**	**18BQ1A1275** **K Tirupathirao** **7. 64 SGPA**
18BQ1A1287 **M Harika** **7. 64 SGPA**	**18BQ1A1223** **CH Harika** **7. 59 SGPA**	**18BQ1A1230** **D Meghana** **7. 59 SGPA**	**18BQ1A1255** **K. Sahithi** **7. 59 SGPA**	**18BQ1A12B8** **P Narendra** **7. 41 SGPA**	**18BQ1A1274** **K. Mohana** **7. 36 SGPA**	
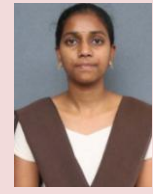
1-2 Toppers
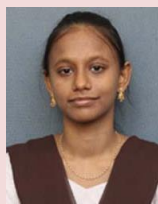
19BQ1A1297	19BQ1A1256	19BQ1A12A1	19BQ1A12C8	19BQ1A1222	19BQ1A1295	19BQ1A12G7
M. M Bhargavi	J. Harini	MD. Sana	P. Sai Ganesh	Nityanandakari	L. Nikhila	U. Lavanya
9. 8 SGPA	9.73 SGPA	9.73 SGPA	9.73 SGPA	9.59 SGPA	9.59 SGPA	9.52 SGPA

19BQ1A1294	19BQ1A1257	19BQ1A12G2	19BQ1A12H3	19BQ1A12F3	19BQ1A1226
L. Alekya	J. Divyasri	T. V. Lakshmi	V. V. N.Vyshnavi	S. Meghana	Ch. Dedeepya
9. 48 SGPA	9.45 SGPA	9.39 SGPA	9.39 SGPA	9.32 SGPA	9.25 SGPA

Google Cloud   **Online Add-on Course Completion**

38 students of B. Tech IT have completed the online course offered by the most Top Rated Coursera World Class Learning Management System, on "Architecting with Google Compute Engine", A Google Cloud Certification Program that contains 5 modules are: 1. Essential Google Cloud Infrastructure: Foundation 2. Reliable Google Cloud Infrastructure: Design and Process 3. Google Cloud Platform Fundamentals: Core Infrastructure 4. Essential Google Cloud Infrastructure: Core Services and 5. Elastic Google Cloud Infrastructure: Scaling and Automation

This Professional Course started in November 2020 and completed by March 2021. The students are motivated by the most fastly growing and pervasive Cloud Platform features and have put their gamut in completing the course. This knowledge acquired in this course enables them to architect the Google Compute Engine, by designing, automating the core services of Google Cloud Platform and later appropriately scaling on par with the application demand over the infrastructure. The faculty of IT, HoD-IT, Coursera SPOC, Dean of Academics, Principal and Management of VVIT lauded the efforts of these students, who have shown world class competence and skills in completing this course. The students who received the Course Completion Certificate from Coursera, have expressed their gratitude towards the institute for providing the necessary amenities and conducive environment.
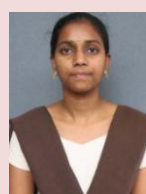
"Architecting with Google Compute Engine", A Google Cloud Certification Program - Certified list

18BQ1A1203	18BQ1A1204	18BQ1A1231	18BQ1A1243	18BQ1A1255	18BQ1A1275	18BQ1A1277
A Prasanthi	A Jahnavi	D. Harshitha	Pavan Kumar	K. Sahithi	K Tirupathirao	Lahari K

18BQ1A1283	18BQ1A1286	18BQ1A1289	18BQ1A1290	18BQ1A1297	18BQ1A12A0	18BQ1A12C1
M Bhanu	K. Manasa	M Monica	M Yuktha Sri	M Surendranath	M Shalini	P Reena

18BQ1A12C4
P Sai Kumar

18BQ1A12C5
P Teja Sri

18BQ1A12C8
R Gowtham

18BQ1A12C9
R Naga Swathi
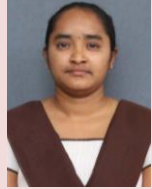
18BQ1A12D1
R. Anusha

18BQ1A12D2
R. Pavan

18BQ1A12D3
R Haritha

18BQ1A12D4
R. Sai Keerthi

18BQ1A12D5
R. Harika

18BQ1A12D8
S Pravallika

18BQ1A12E0
S Mounica

18BQ1A12E4
Sk Rehman

18BQ1A12E5
Sk Greeshma

18BQ1A12E6
Sk Johar Ali

18BQ1A12F0
V Sivathmika

18BQ1A12F3
T. Nandini

18BQ1A12F4
T Rajasekhar

18BQ1A12F7
T Gayathri

18BQ1A12G0
T Charan

18BQ1A12G1
T Poojitha

18BQ1A12G3
Rohini Sai

18BQ1A12G8
Vamsi Ch

18BQ1A12H2
R.Vidhyamini

18BQ1A12H4
V Jaya Sri

Student Placements

"Everyone counts" is the mantra of VVIT's 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 learners 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. For the holistic improvement and comprehensive development of students, all activities are planned and executed perfectly. The T&P department of VVIT works in unison with that of each department, to fulfill its Vision and Mission. To chisel the students into software engineers, faculty of IT, especially the mentors assigned by T&P are running their gamut. The Management and Staff congratulate all the students, who got selected in several MNCs and wish them to achieve success in all their future endeavors.

CTS Sales force - 7 with 4.0 LPA

17BQ1A1210
B Tejaswi

17BQ1A1215
G.B.Supraja

17BQ1A1233
D. Kathyaeeni

17BQ1A12C0
P. Jagadeesh

17BQ1A12E1
R Praneetha

17BQ1A12F3
Sk. Reshma

17BQ1A12F9
T. Puja Sri

Wipro TNP - 24 with 3.4 LPA

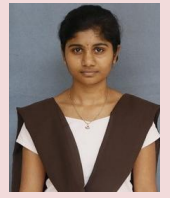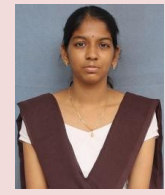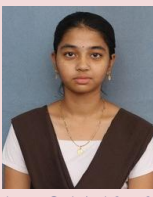|					
17BQ1A1201 A Jahnavi	17BQ1A1205 A Durga	17BQ1A1207 A Prasanna	17BQ1A1228 Ch. Madhuri	17BQ1A1233 D.Kathyaeeni	17BQ1A1237 G. Sneha
17BQ1A1262 K. Kavya	17BQ1A1266 K. Neshma	17BQ1A1280 K. Harish	17BQ1A1292 M. Navya	17BQ1A1293 M Sai Vineela	17BQ1A12A4 M Lakshmi
17BQ1A12B2 N. Srilekha	17BQ1A12B3 N.Bhavya Sri	17BQ1A12B7 P. Divya	17BQ1A12D7 P Priyanka	17BQ1A12C0 P. Jagadeesh	17BQ1A12C1 Indrani. P
17BQ1A12D6 P Chandrika	17BQ1A12E2 R. Chaitanya	17BQ1A12E4 S. Chetan	17BQ1A12G1 Abhishek T	17BQ1A12G2 T.Alekhya	17BQ1A12H0 T. Narasimha

Tech Mahindra - 7 with 3.6 LPA

17BQ1A1207 A Prasanna	17BQ1A1226 Ch. Yasaswini	17BQ1A1228 Ch. Madhuri	17BQ1A1240 G Bharath	17BQ1A1270 K Gupta	17BQ1A1293 M Sai Vineela	17BQ1A12D4 P. Mahesh

Tech Mahindra - 7 with 3.6 LPA

17BQ1A12E1 R Praneetha	17BQ1A12F2 Sk. Ismail	17BQ1A12F6 S.Swathi

EPAM – 1 with 7 LPA

17BQ1A1247 G. Jeevana

L-Cube CCA– 1 with 2.5 LPA

17BQ1A1211 B. Bhavana

ISB Certification done by IT Student

Suryadevara Lakshmi Sindhura with Regd no: 17BQ1A1290 of IT Department completed "Technology Entrepreneurship Programme" for the A.Y-2019-2020 in Association with Andhra Pradesh Information Technology (APITA) and Academy and ISB Centre for Innovation and Entrepreneurship

Patents filed by Faculty

Dr. V. Ramachandran (Professor)

A patent on "Computer Vision in IoT for Facial Expression and Human Activity Recognition", with the application number: **2020103067** has been granted in the month of December 2020, by Australian Government, for 8 years from Oct-2020 to Oct-2028 to Dr. V. Ramachandran, Mr. Y. Venkata Narayana of IT department. This work has been done in collaboration with researchers in National Institute of Technology, Tiruchirappalli. This is an Innovation patent that has been granted by the IP Australia, which can be requested for examination any time during the term of this patent. In this invention, it gives a Deep Learning based Computerized Facial Recognition and Human Activity Recognition strategies that can be imparted into an IoT compliant device.

Mr. Y. Venkata Narayana (Asst. Professor)

FDP/Seminars/Workshops attended by Faculty

SNO	Name of the Faculty	Title	Organized by	Duration
1	Dr V Ramachandran (Professor)	Online FDP on "Design Thinking"	"C. V. Raman Global University, Bhubaneswar through AICTE Training And Learning (ATAL) Academy	5 days (04-01-2021 to 08-01-2021)
2	Dr V Ramachandran (Professor)	Online FDP on "Artificial Intelligence & Robotics"	Tripura University through AICTE Training And Learning (ATAL) Academy	5 days (18-01-2021 to 22-01-2021)
3	Dr V Ramachandran (Professor)	Online FDP on "Internet of Things"	Mizoram University through AICTE Training And Learning (ATAL) Academy	5 days (01-02-2021 to 05-02-2021)
4	Mrs. M. Rajya Lakshmi (Assoc. Professor)	AI Master Class using Python	Pantech Solutions	30 Days (16-02-2021 to 17-03-2021)
5	Dr V Ramachandran (Professor)	"IGIP International Engineering Educator"	The International Society for Engineering Pedagogy	10-01-2021
6	Mr. Y. Venkata Narayana (Asst. Professor)	AI Master Class Using Matlab	Pantech Prolabs India Pvt Ltd	15 Days (18-01-2021 to 01-02-2021
7	Mrs. Thrilochana Devi K (Asst. Professor)	Workshop on Real world Applications and challenges in IOT	SRM UNIVERSITY AP	05 days(18-01-21 to 22-01-21)
8	Mrs. Thrilochana Devi K (Asst. Professor)	FDP on Data Science using R	ICT Academy	05 days(08-03-21 to 12-03-21)

Online Add-on Course Completion by Faculty

SNo	Name of the Faculty	Course Name	Month and Year	Sponsoring Agencies (NPTEL/UDEMY/Coursera)
1	Ms J. Sudeepthi (Asst. Professor)	NSE1 Network Security Associate	February 8, 2021	FORTINET NSE Institute
2	Ms J. Sudeepthi (Asst. Professor)	NSE2 Network Security Associate	February 15,2021	FORTINET NSE Institute

Wipro Certification by Faculty

Mr. B. Kalyan Chakravarthy, Assistant Professor, of IT has been certified as **"Wipro Certified Faculty",** through Digital Skills Readiness Program, and successfully passed the TalentNext certification assessment and is recognized as a mentor for project-based learning (PBL) in Java J2EE.

Editors Special - Cutting edge IT facets that are in front-row fighting with Corona-Virus

The rapid spread of Covid-19 has forced countries to use every trick in the book to contain the disease. Asian countries have used a range of technologies in their fight against the pandemic, raising questions about excessive surveillance and the violation of citizens' privacy. Here is a snapshot of some of the tech tools being deployed in different countries.

Using location data to track infected persons: **South Korea, Israel, Taiwan, Italy**

Using apps to help people avoid Covid patients: **UK, South Korea, India** (app in the works)

AI-powered thermal cameras to spot people with fever: **China**

Robots manning quarantine centres: **China, Singapore**

In this article we have tried to view at the COVID-19 pandemic in Technological perspective, to address the deployment of latest tech-buzz that's being meticulously used for containing the pandemic across the globe as per the socio-economical-ethical conditions especially while combating with this public health emergency.

The list of technologies includes:
- Artificial intelligence
- Blockchain
- Drones
- Gene-Editing technologies
- Nano Technology
- Open Source Technologies
- Robots
- Synthetic Biology
- Tele medicine
- Three-D printing

The elaborated discussion on these technologies and how they steered the combat with Covid pandemic are composed in the further articles. Do read never miss.

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.