| Volume-10, Issue-03 | IT'S IT – Quarterly News Letter | Jan – March 2020 |
|---|---|---|

## Editorial Board

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## HOD's Message

Dear Readers….!

Greetings…..!

During an entire semester, students gather the information from different resources like theory, labs of different natures. This is the right time to process, organize and settle that unstructured, multi-faceted, hierarchical data in to structured, reproducible, inter-related, augmented, associated, and fused and ensemble information. This process in human brain, cognitively referred as comprehension, which is the most wanted ability in every student. The remaining Question-Answering, Presentation, Application and all other Engineering abilities depend on this basic ability. This is the reason why students in the same class room, who get the same inputs from a teacher, may not get similar marks. By all means, I just wanted to suggest every student to improve their comprehensive abilities.

So my dear Readers …... before I conclude from my desk, I wish all the students to perform their gamut in the approaching End-Semester Examinations. I once again remind you all that department of IT is committed to serve all its stake-holders as assured in all the aspects including the quality of News Letter –*"ITsIT".*

## Guest Lecture on Data Science Using R Programming on 29-02-2020

VVIT in general and Department of IT in specific has a strong urge for catering to the students latest technological advancements via the professional societies and chapters. With the same thrust, IT Department runs two famous chapters of Association for Business Computing (ACM) professional society, under the names ACM-student general, Guntur Chapter and ACM-WOMEN Chapter since 2018.

Under the ACM student chapter the ACM Distinguished Speaker Program on Data Science Using R Programming by Dr. Kayal Padmanandam, Asst. Professor, Member of Research and Consultancy Committee, St. Mary's College, Hyderabad has been conducted on 29-02-2020. The New Block IT seminar hall with all webinar facilities acted as venue for this program.



**Dr. Kayal Padmanandam addressing the gathering about her experience in Data Science using R Programming**

The session started at 10:30 am with arrival of the guest Dr. Kayal Padmanandam. The students were very enthusiastic to learn new things about Data Science using one of the easiest tools R. Total of 120 students from both CSE & IT departments showed great interest in attending the session.

The students were asked to install the latest version of the R studio and download some data sets before the session started, so that they could execute the commands parallel on their own systems and follow the lecture to get real-time experience.

It was an interactive session where students showed enthusiasm to reciprocate, answer and share their views on the various topics that were covered. Initially, the students were brushed up with their previous knowledge on R programming which included importing various packages, manipulating the data by using built in functions of R etc.

After practicing the basic data manipulation techniques in R, the session headed on to the data visualization techniques in R. The students were given an overview about converting the imported and manipulated data into appropriate graphs for better understanding of the data.

Later, the students were given a brief introduction to data science, applications of data science in the real world. This lecture was really helpful to those students who want to pursue their career in the field of data science by giving them insights regarding the job of a data scientist as well as encourage other students to get into this field. The students were shown a video about "A day in the life of a Data Scientist" which helped the students aspiring to become a data scientist.



**Dr. Kayal Padmanandam along with students and faculty of IT Departments**

To the end of the session, students were given a real world problem to solve using data science techniques in R. The real time data was analysed, manipulated and visualised using R plot.

Dr. Kayal made it very comfortable for the students to interact and clarify their doubts. She acknowledged and personally monitored the progress of the students all through the session along with the help of ACM volunteers. Finally, there was a Question and Answer time where students could raise their questions, doubts or share their take aways from the session. The guest was felicitated by CSE HOD Dr.Eshwaraiah and IT HOD Dr.A.Kalavathi by giving away the token of gratitude.



## Travel Grant to Mrs.B. Lakshmi Praveena, Asst Professor, Dept. of IT

Ms. B. Lakshmi Praveena, Assistant Professor, in Department of Information Technology, Selected for student travel grant as research scholar of SPMVV, Tirupathi, for International Conference on Data Management (CODS-COMAD 2020), Organized by ACM, COMAD, ISB, IIITH at Hyderabad from 5th-7th January, 2020

## Conferences attended by Students

| S.No | Name of the Student | Roll no | Title | Year | Name of the Conference | Name of Institution Organized |
|------|---------------------|---------|-------|------|------------------------|-------------------------------|
| 1 | A.Jahnavi | 17BQ1A1201 | Eco-Air Conditioner | Jan, 2020 | Seventh International Conference on Transformations in Engineering Education (ICTIEE - 2020) | Organized by Anurag Group of Institutions, Hyderabad, from January 5th – 8th, 2020 |
| | A Prasanna | 17BQ1A1207 | | | | |
| | G. Bhanu Supraja | 17BQ1A1215 | | | | |
| 2 | K.Deepika | 17BQ1A1278 | ForFuture App | Jan, 2020 | Seventh International Conference on Transformations in Engineering Education (ICTIEE - 2020) | Organized by Anurag Group of Institutions, Hyderabad, from January 5th – 8th, 2020 |
| | K.Devi Siva Priya | 17BQ1A1279 | | | | |
| | M. Lakshmi Keerthana | 17BQ1A1289 | | | | |

## Academic Toppers

### 2-1 Results
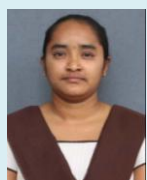


**18BQ1A12D5**
**R. Harika**
**9.05 SGPA**



**18BQ1A12F0**
**Sivathmika. V**
**9.05 SGPA**



**18BQ1A12E3**
**Sk. Amisha**
**8.82 SGPA**
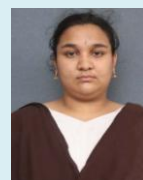


**18BQ1A12D1**
**R. Anusha**
**8.77 SGPA**



**18BQ1A1223**
**Ch. Harika**
**8.68 SGPA**



**18BQ1A1255**
**K. Sahithi**
**8.64 SGPA**
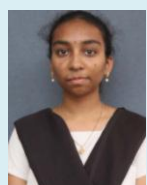


**18BQ1A12D8**
**S. Pravallika**
**8.64 SGPA**



**18BQ1A12H2**
**R.Vidhyamini**
**8.64 SGPA**



**18BQ1A1286**
**K. Manasa**
**8.5 SGPA**



**18BQ1A1287**
**M. Harika**
**8.5 SGPA**



**18BQ1A1288**
**M. Sruthi**
**8.5 SGPA**



**18BQ1A12A3**
**M. Sravani**
**8.41 SGPA**
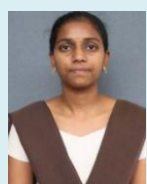


**18BQ1A1231**
**D. Harshitha**
**8.36 SGPA**



**18BQ1A1246**
**G. Himasri**
**8.36 SGPA**



**18BQ1A12B6**
**P. Anuhya**
**8.36 SGPA**



**18BQ1A1220**
**B. Leela**
**8.23 SGPA**



**18BQ1A1258**
**K. Indhasa**
**8.23 SGPA**

## 3-1 Results

**17BQ1A1216**
**B Tejaswi**
**8.43 SGPA**

**17BQ1A1251**
**G. Harika**
**8.43 SGPA**

**17BQ1A1227**
**Prathyusha**
**8.29 SGPA**

**17BQ1A1233**
**D.Kathyaeeni**
**8.29 SGPA**

**17BQ1A1257**
**J. Sirisha**
**8.29 SGPA**

**17BQ1A12E8**
**S. Jayanth**
**8.29 SGPA**

**17BQ1A1215**
**G.B.Supraja**
**8.14 SGPA**

**17BQ1A12C6**
**Uma Maheswari**
**8.14 SGPA**

**17BQ1A12C7**
**P. Niharika**
**8.14 SGPA**

**17BQ1A12G2**
**T. Alekhya**
**8.14 SGPA**

**17BQ1A1286**
**K. Lalitha**
**8.1 SGPA**

**17BQ1A12B7**
**P. Divya**
**8.05 SGPA**

**17BQ1A1266**
**K. Neshma**
**8.0 SGPA**

**17BQ1A1285**
**K Haritha**
**8.0 SGPA**

**17BQ1A1292**
**M. Navya**
**8.0 SGPA**

**17BQ1A12A0**
**M. Amulya**
**8.0 SGPA**

**17BQ1A12A1**
**M. Pavithra**
**8.0 SGPA**

**17BQ1A12B3**
**N.Bhavya Sri**
**8.05 SGPA**

**17BQ1A12D6**
**P Chandrika**
**8.0 SGPA**

**17BQ1A12E1**
**R Praneetha**
**8.0 SGPA**

**17BQ1A12F9**
**T. Puja Sri**
**8.0 SGPA**

**17BQ1A12G7**
**T.L. Bhavana**
**8.0 SGPA**

## Paper Publications by Faculty

| S.No | Name of the Staff | Title of the Paper | Journal Name | Vol, Issue, Month & Year | ISSN Number |
|---|---|---|---|---|---|
| 1 | Mr. MD Shakeel Ahmed (Assoc.Professor) | A Comprehensive Analysis on Educational Data Mining for Students | Journal of Xi'an University of Architecture & Technology (JXAT) | Vol. 12, Issue-03 March-2020 | 1006-7930 |
| 2 | Mrs. B. Lakshmi Praveena (Assistant Professor) | Detection of Autism Spectrum Disorder Effectively Using Modified Regression | Proceedings of CCODE 2019, Springer | Vol. 1054, March-2020 | DOI:10.1007/978-981-15-0135-7_15 |

## Conferences Attended by Faculty

| S.No | Name of the Staff | Title of the Paper | Name of the Conference | Host Institute |
|---|---|---|---|---|
| 1 | Mr. Y. Venkata Narayana (Assistant Professor) | ForFuture App | Seventh International Conference on Transformations in Engineering Education (ICTIEE - 2020) | Organized by Anurag Group of Institutions, Hyderabad, from January 5th – 8th, 2020 |
| 2 | Mr. Y. Venkata Narayana (Assistant Professor) | Eco-Air Conditioner | Seventh International Conference on Transformations in Engineering Education (ICTIEE - 2020) | Organized by Anurag Group of Institutions, Hyderabad, from January 5th – 8th, 2020 |
| 3 | Mrs. B. Lakshmi Praveena (Assistant Professor) | Data preprocessing algorithm for web structure mining | A National Conference on Artificial Intelligence – Current Trends and Applications | Organised by CURIE–AI Sri Padmavati Mahila Visvavidyalayam (Women's University) Tirupati, 27th to 28th March 2020 |
| 4 | Mrs. B. Lakshmi Praveena (Assistant Professor) | Analysis of autism spectrum disorder on facial and speech characteristics using Artificial Intelligence | A National Conference on Artificial Intelligence – Current Trends and Applications | Organised by CURIE–AI Sri Padmavati Mahila Visvavidyalayam (Women's University) Tirupati, 27th to 28th March 2020 |

## Online Course Completion by Faculty

| S.No | Name of the Faculty | Title | Duration | Sponsoring Agencies |
|---|---|---|---|---|
| 1 | Mr. B. Ajay Kumar (Assistant Professor) | RPA Design and Development Training by UiPath at Bangalore | Jan-20 | UiPath |
| 2 | Ms. Mulla Almas (Assistant Professor) | Preparing for the Google Cloud Associate Cloud Engineer Exam | Jan-20 | Coursera |
| 3 | Dr. A.Kalavathi (Professor) | IT Security: Defense Against the Digital Dark Arts | Feb-20 | COURSERA |
| 4 | Mr. B. Ajay Kumar (Assistant Professor) | RPA : Level 3 - Advanced Training | Feb-20 | UiPath Academy |
| 5 | Mr. B. Ajay Kumar (Assistant Professor) | RPA Developer Advanced Certification | Mar-20 | UiPath |
| 6 | Mr. R. Sudha Kishore (Assoc.Professor) | C for Every One: Structured Programming | Mar-20 | Coursera |
| 7 | Mr. R. Sudha Kishore (Assoc.Professor) | C for Every One: Programming Fundamentals | Mar-20 | Coursera |
| 8 | Mr. Y. Venkata Narayana (Assistant Professor) | Python Basics | Mar-20 | Coursera |

## 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 include 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. 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.
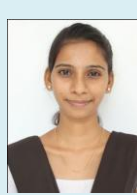
### Effectronics (3.98 LPA)

| 16BQ1A1241 | 16BQ1A1246 |
|---|---|
| P. Rani | R.Prudhvi |

### Sutherland (2.5 LPA)

| 16BQ1A1214 |
|---|
| G. Dakshayani |

### TechMahindra (3.5 LPA)

| 16BQ1A1213 | 16BQ1A1255 |
|---|---|
| G. Ramya Sri | S. Suraj |

### LCube (3.2 LPA)

| 16BQ1A1228 | 16BQ1A1239 | 16BQ1A1248 | 16BQ1A1254 | 16BQ1A1260 |
|---|---|---|---|---|
| M. Tejaswi | P. Yamini | S. Srija | S. Rahithi | Y. Avinash Kumar |

Placement Cell is relentlessly marching ahead with a comprehensive multi-pronged training schedules and impeccable assessment strategies, to carve the students with raw abilities in to good technocrats with paramount of professionalism.

With advancements in every professional sector, the demand for skilled personnel is on the rise in order to simultaneously further organizational growth as well as the economic development of the country. Campus placement programmes are influential in developing a strong workforce in the subcontinent, giving potential candidates a chance to validate their skills and intellectual prowess in professional domains.

With inputs from Mr. Dinesh Goel, Co-Founder, CEO, Aasaanjobs, a row of qualities expected by the employee in aspiring candidates, were enlisted below by the courtesy of IndiaToday.in.

1. Swift learners-ability to learn new skills quickly and accurately
2. Interpersonal and Communication skills
3. Ability to take owner ship-initiative and accountability for one's own work
4. 'Never say Never' attitude-eagerness to take responsibility over and above one's job profile
5. Problem solving skills-finding creative solutions for complex issues
6. Sincerity, Hard work and perseverance-key attributes of potential employee
7. Team player
8. Personal credibility and integrity
9. Likeability factor-building rapport with in the company
10. Ability to multitasking

## Coursera—IT's era of online courses at VVIT

Our IT department, under the direction of VVIT's magnanimous and visionary management, started following the updates of Coursera.

Some good students are also encouraged initially to go through the Coursera's interesting and fascinating courses. After a significant positive result from those students, it was made an institutional add-on MOOC courses mandatory policy for all the students including first year. At this juncture IT department feels its right time to clarify certain most common qualms that arise crop up among students. This column is dedicated by the beloved Chief-Editor, for clarifying those misconceptions. For any other queries students can contact IT-Department Coursera I/C- Mr. B. Rajesh or VVIT Coursera SPOC- Dr. G. Sanjay Gandhi., Prof., CSE Dept., of our VVIT.

| FAQ | ANSWER |
|---|---|
| Is it mandatory to do Coursera Courses by me? | Yes. It's an institutional policy that was made exactly for your advantage over many others, who do NOT opt for Coursera like MOOC courses. |
| What is Coursera? | Coursera is considered a Massive Open Online Course (MOOC). Massive Open Online Course. It's a world-wide online learning platform founded in 2012 by Stanford computer science professors Andrew Ng and Daphne Koller that offers massive open online courses, specializations, degrees, professional and mastertrack courses |
| How is a course in Coursera different from our regular class room courses? | It's online. You can watch and learn at any time, in any order, for any number of times until you got the points clearly understood. |
| What is the value of Coursera Courses | The value of online classes—more specifically, MOOCs—has been proven. In a study done last year by **Coursera** on people who **have** taken its classes, 72% of survey respondents reported **career** benefits, with 43% reporting improved candidacy for a new **job** and 26% actually landing a new gig. -----Reports Google. |
| How Coursera Courses are different from other LMS like UDEMY, NPTEL etc. | Almost similar, but the courses in Coursera are tailored more for Engineering Professionals with a rigid overall time frame, just like our regular semester courses, with flexibility to learn online, beyond the class hours at your own pace of learning. UDEMY is more flexible and no rigid time frames like our semester courses. Nptel is exactly similar to Coursera but with a proctored examination. Coursera allows you to write online examination individually with in time bound but are semi-proctored. |
| What is the validity of Coursera Courses certificate? | The Certificates from Coursera looks fancy and they are valid to get shortlisted your CV for a few jobs. But only the Certificate can't confirm your job, it is the Skill you have from knowledge or experience as always matters. |

**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.