



Department of Computer Science and Engineering

Event Name	Technical Talk on “Cloud Computing and its Impact”
Date	9th May 2020
Time	10:00AM – 11:00AM
Venue	Seminar Hall
Audience	CSE 2nd SEM
Resource Person	Mr. Kavi Arasu, MindTree

Objective of the Program:

The purpose of this workshop was to know the fundamentals of Cloud Computing, Machine Learning, and Deep Learning.

Topics Covered:

- Importance of Cloud Computing.
- Applications of Machine Learning

Brief Report

Agility

The cloud gives you easy access to a broad range of technologies so that you can innovate faster and build nearly anything that you can imagine. You can quickly spin up resources as you need them—from infrastructure services, such as compute, storage, and databases, to Internet of Things, machine learning, data lakes and analytics, and much more. You can deploy technology services in a matter of minutes, and get from idea to implementation several orders of magnitude faster than before. This gives you the freedom to experiment, test new ideas to differentiate customer experiences, and transform your business.

Outcome of the workshop:

The webinar has received a decent response for students. All the students actively participated in the webinar.



Technical Talk – Introduction to Cloud Computing



Department of Computer Science and Engineering

Event Name	Technical Talk on “Data Science and Analytics”
Date	18/06/2020
Time	09:00AM – 10:00AM
Venue	Seminar Hall
Audience	CSE 2nd SEM
Resource Person	Mr. Jatin Tyagi, Big Data BizViz

Objective of the Program:

The purpose of this workshop was to know the fundamentals of big data, and its applications.

Topics Covered:

Big data analytics uses efficient analytic techniques to discover hidden patterns, correlations, and other insights from big data. It brings significant cost advantages, enhances the performance of decision making, and creates new products to meet customers’ needs. This method has various applications in plants, bioinformatics, healthcare, etc.

Brief Report

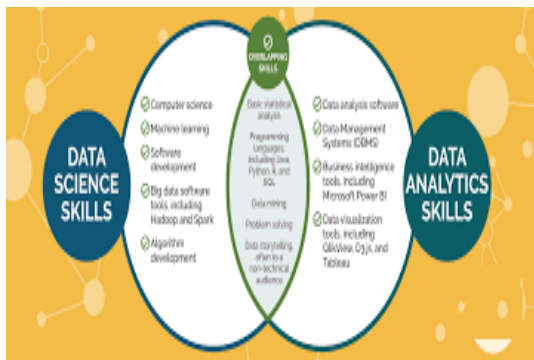
Big data analytics uses advanced analytics on large structured and unstructured data collections to produce valuable business insights. It is used widely across industries as varied as health care, education, insurance, artificial intelligence, retail, and manufacturing to understand what’s working and what’s not to improve processes, systems, and profitability.

It comprises vast amounts of structured and unstructured data, which can offer important insights when analytics are applied. Big data analytics does this quickly and efficiently so that health care providers can use the information to make informed, life-saving diagnoses.

In this guide, you’ll learn more about big data analytics, why it’s important, and its benefits for many different industries today. You’ll also learn about types of analysis used in big data analytics, find a list of common tools used to perform it and find suggested courses that can help you get started on your data analytics professional journey.

Outcome of the workshop:

Big data analytics is important because it lets organizations use colossal amounts of data in multiple formats from multiple sources to identify opportunities and risks, helping organizations move quickly and improve their bottom lines. Some benefits of big data analytics include: Cost savings.



Technical Talk – Introduction to data science



Department of Computer Science and Engineering

Event Name	Workshop on “Artificial Intelligence and Machine Learning”
Date	6th November 2020
Time	01 day
Venue	Seminar Hall
Audience	Students of CSE and ISE (3rd SEM)
Resource Person	Mr. Vinay VTricks Solutions

Objective of the Program:

The purpose of this workshop was to know the fundamentals of AI, Machine Learning.

Topics Covered:

- Importance of AI and its applications
- Uses of Machine Learning

Brief Report

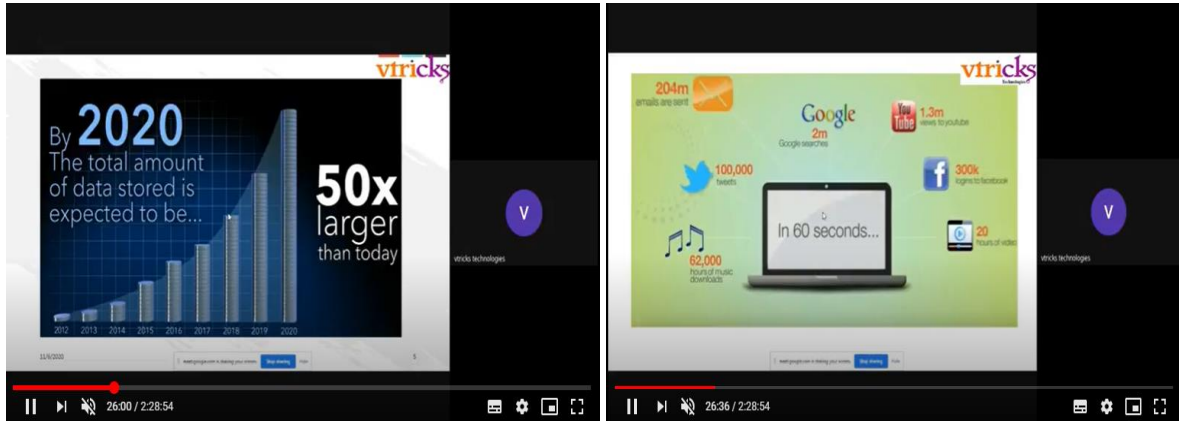
The resource person was Mr. Vinay M Harista, Vtricks Technologies Private Limited, Bengaluru. Mr. Vinay M Haritsa talked about “Artificial Intelligence and Machine Learning”, in his presentation he discussed about, applications areas of AI & ML, which is the hot topic in current world. He also highlighted about the Supervised and Unsupervised machine learning algorithms, deep learning algorithms and applications of deep learning algorithms. He demonstrated with some examples, to show how these algorithms works and its importance in corporate level.

Outcome of the workshop:

The webinar (AI and ML), received a decent response from both the staff and students of RVITM, Bengaluru, The students and staff actively participated in the webinar and cleared the doubts by raising the questions.



RV Educational Institutions
RV Institute of Technology and Management®



Workshop on AI and ML



Department of Computer Science and Engineering

Event Name	Technical Talk on “Introduction to Application Security”
Date	28th November 2020
Time	11:30am-1:30pm
Venue	Seminar Hall
Audience	Students of CSE (4th SEM)
Resource Person	

Objective of the Program:

The purpose of this workshop was to know the fundamentals of Computer Security & Networks.

Topics Covered:

- Importance of computer security
- Uses of computer networks

Brief Report

The department of Computer Science & Engineering, RVITM, Bengaluru, organized an Technical Talk (webinar), using online platform Google meet, on 28th Nov 2020 from 11:30am to 1:30pm.

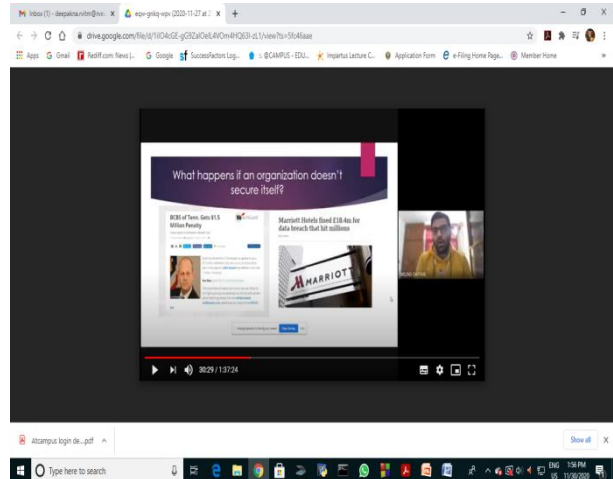
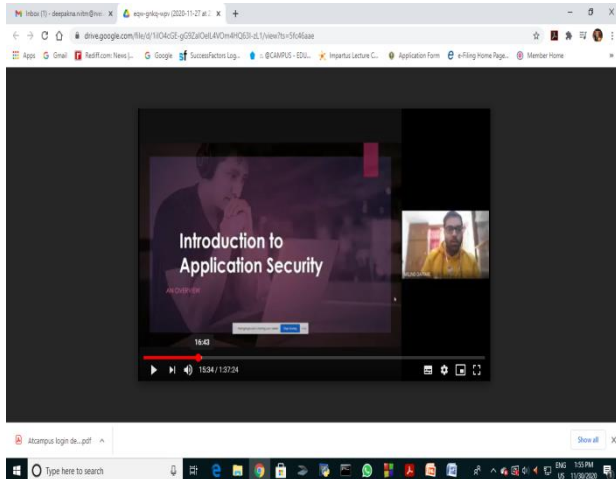
The resource person was Mr. Milind Daftari, Software Engineer, Altruista Health, Hyderabad, AP. Mr. Milind Daftari talked about “Introduction to Application Security”, In his presentation he discussed about, applications and areas where security finds importance, and is the hot topic in current world. He also highlited network standards, Security algorithms, Encryption algorithms etc.



RV Educational Institutions
RV Institute of Technology and Management®

Outcome of the workshop:

The webinar (introduction to application security), received a decent response from both the staff and students of RVITM, Bengaluru, The students and staff actively participated in the webinar and cleared the doubts by raising the questions.



Technical Talk – Network security



Department of Computer Science and Engineering

Event Name	Workshop on “JAVA for Industry and Academics”
Date	19th and 20th July 2021
Time	10:00am – 3:00pm
Venue	Online Google Meet
Audience	CSE Students
Resource Person	Mr. Vinay H, VTricks solutions

Objective of the Program:

The purpose of this workshop was to know the fundamentals of Java & its requirements in industry.

Topics Covered:

- Importance of java in academics and in industry
- Application of JAVA

Brief Report

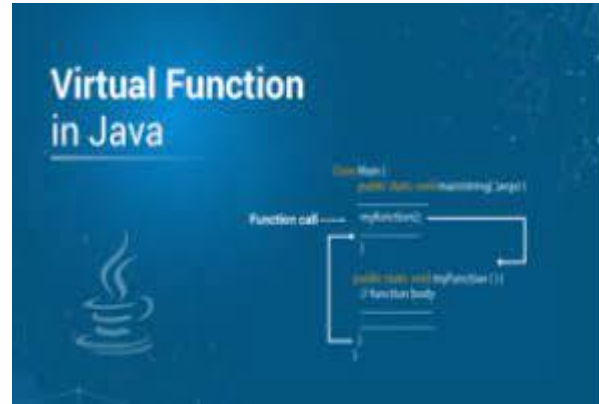
Java is an ideal language for developing complex enterprise systems and handling intensive data-processing tasks in scientific research, financial modeling, and other data-intensive industries. Java is extensively common in the finance industry, covering banking, insurance, and capital markets for delivering responsive and secure solutions. It is also used for developing server-side applications that facilitate the speedy and consistent data exchange between the client and the server, data processing, etc.

Outcome of the workshop:

The Technical- received a decent response from both the staff and students of RVITM, Bengaluru, The students and staff actively participated in the seminar and cleared their doubts



by raising the questions



Snapshots – Java in industry and academics



Department of Computer Science and Engineering

Event Name	Technical Talk on “Introduction to Python Programming and Applications of Python in real world”
Date	17th Nov 2021
Time	11:00am – 1:00pm
Venue	6th Floor Seminar Hall
Audience	CSE Students
Resource Person	Mr. Vinay M H, VTricks Technologies, Bengaluru

Objective of the Program:

The purpose of this workshop was to know the fundamentals of Python Programming & its application in real work.

Topics Covered:

- Importance of computer security
- Uses of computer networks

Brief Report

The department of Computer Science & Information Science & Engineering, RVITM, Bengaluru, jointly organized a Technical Seminar, offline, entitled “Introduction to Python programming and Applications of python in real world” on 17th Nov 2021 from 11:00 am to 1:00 pm.



The resource person was Mr. Vinay M Harista, Vtricks Technologies Private Limited, Bengaluru. Mr. Vinay M Haritsa talked about the use or python programming and its application in real world. In his presentation he discussed about, 3 tier architecture and he also mentioned how python fits into middle tier, how its applications suits for development of web application, AI and Machine Learning, Data analytics, Data visualization, game development, Language development and many more. He also highlighted about the Supervised and Unsupervised machine learning algorithms, deep learning algorithms and applications of deep learning algorithms.

Outcome of the workshop:

The Technical-seminar (Introduction Pyhton programming and its applications in real world), received a decent response from both the staff and students of RVITM, Bengaluru, The students and staff actively participated in the seminar and cleared their doubts by raising the questions.



Snapshots of Technical Talk – Python Programming



Department of Computer Science and Engineering

Event Name	Interactive Session on “Incubation and Entrepreneurship”
Date	18th May 2022
Time	11:00am to 1:00pm
Venue	6th Floor Seminar Hall
Audience	RVITM Staff
Resource Person	Mr. Shashidhar Jakkali, Mr. Vaidy Naraynan, Founder and Director, Bionic Yantra, Mr. Amitav Chaudhuri, Director, Timetooth Technologies

Objective of the Program:

The purpose of this talk was to set an Incubation center & Entrepreneurship cell @ RVITM.

Topics Covered:

- The session was started with Mr. Shashidhar Jakkali giving introduction to his team members and their company profiles.
- Then session was handed over to Mr. Vaidy Naraynan where he demonstrated the rehab-robot built by Bionic Yantra. He demonstrated some videos of recovery of patients using the robot.

Brief Report

The department of Computer Science, RVITM, Bengaluru, organized an interactive session on Innovation and Entrepreneurship on 18th May 2022 from 11:00am to 1:00pm. The interactive session on “Incubation and Entrepreneurship” was presented by Mr. Shashidhar Jakkali, Mr. Vaidy Naraynan, Founder and Director, Bionic Yantra, Mr. Amitav Chaudhuri, Director, Time tooth Technologies. The session was started with Mr. Shashidhar Jakkali giving introduction to his team members and their company profiles.



The session was handed over to Mr. Vaidy Naraynan where he demonstrated the rehab-robot built by Bionic Yantra. He demonstrated some videos of recovery of patients using the robot. The Medical equipment developed by Bionic Yantra company has been installed in NIMHANS, Bengaluru where the persons who are injured with spinal cord issues are being treated and the results are satisfactory. One of the video showed the person who was suffering from spinal tumor and with the help of the robot, the person was able to walk and climb the staircase too. The videos showed by Mr. Vaidy Naraynan were an inspiration for innovating new things and incorporate engineering techniques in medical field to help the needy persons. Mr. Vaidy Naraynan addressed the gathering by saying “Be an Engineer to solve the problem in Medical Field”.

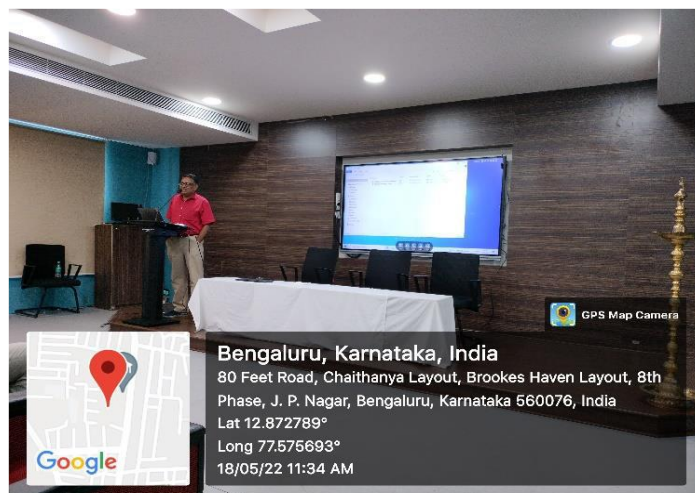
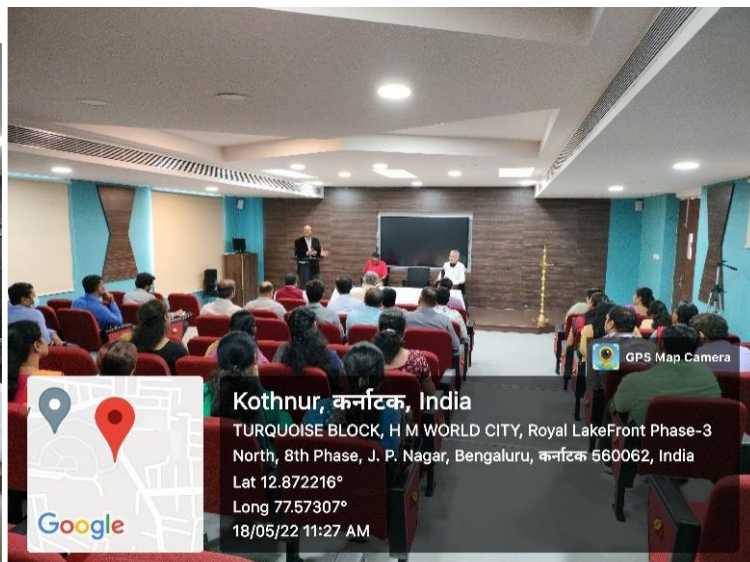
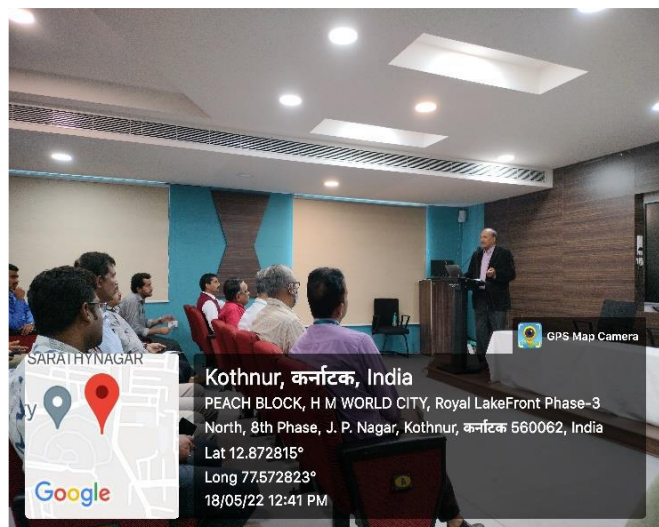
Then the session was handed over to Mr. Amitav Chaudhuri who spoke about medical Technologies and the use of Machine Learning algorithms. The session was interactive where RVITM staff asked questions and got their doubts clarified with the speakers. There were questions and clarifications about the robot developed by the Bionic Yantra. Next the session was handed over to Mr. Shashidhar Jakkali, a brief introduction about his company, introduction about the developed medical equipment, importance of usage of the equipment by the patients was told to the audience.

Outcome of the workshop:

Information about the incubation center and Entrepreneurship cell



RV Educational Institutions
RV Institute of Technology and Management®



Workshop – Interactive session with staff of RVITM



Department of Computer Science and Engineering

Event Name	Workshop on “Digital System Design Using Hands on Sessions & Basics of CPU Design Using Logisim Simulator”
Date	12th & 13th Dec 2022
Time	9:30am – 4:00pm
Venue	6th Floor Seminar Hall
Audience	Students of CSE
Resource Person	Dr. Badarinath K., Assoc. professor, department of CSE, RVCE, Bengaluru.

Objective of the Program:

The purpose of this workshop was to know the fundamentals of logic design & simulator.

Topics Covered:

- Designing Combinational Circuits: Adders, Subtractors, Multiplexers, Decoders & Displays
- Designing Sequential Circuits: Flipflops, Registers, Counters, Memories
- Hands On Sessions Using Bread board, ICs, Switches and LEDs
- Designing a CPU – ALU, Registers, Instruction Decoder and Address/Data Bus interconnections
- Designing Instruction set – simple instructions like MOV, ADD etc.
- Hands on Sessions Using Logisim Simulator
- Overview of Latest Microprocessor & Microcontroller Architectures



Brief Report

The department of Computer Science & Engineering, RVITM, Bengaluru, organized an TWO days workshop, on 12th & 13th December 2022 from 9:30am to 4:00pm (2 days). The resource person was Dr. Badarinath K., Assoc. professor, department of CSE, RVCE, Bengaluru. The topic of the workshop was “Digital System Design Using Hands on Sessions & Basics of CPU Design Using Logisim Simulator”, In his presentation he covered several topics like

- ❖ Designing Combinational Circuits: Adders, Subtractors, Multiplexers, Decoders & Displays
- ❖ Designing Sequential Circuits: Flipflops, Registers, Counters, Memories
- ❖ Hands On Sessions Using Bread board, ICs, Switches and LEDs
- ❖ Designing a CPU – ALU, Registers, Instruction Decoder and Address/Data Bus interconnections
- ❖ Designing Instruction set – simple instructions like MOV, ADD etc.
- ❖ Hands on Sessions Using Logisim Simulator
- ❖ Overview of Latest Microprocessor & Microcontroller Architectures

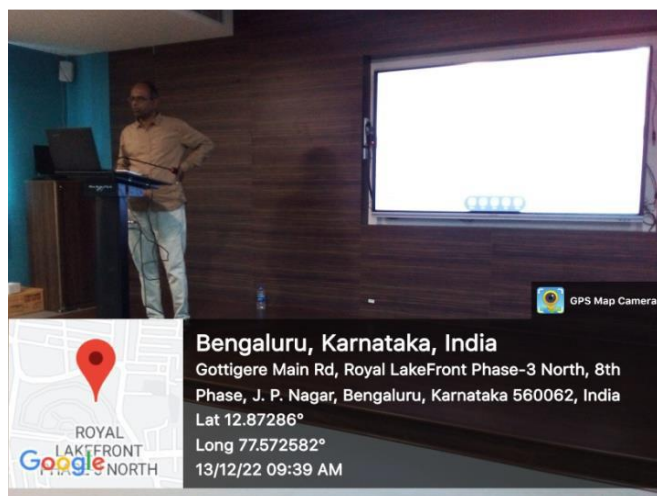
He also highlighted the major concepts of mini CPU design with hands on session. He demonstrated with some examples, to show how commands work and its importance in corporate level.

Outcome of the workshop:

The workshop, received a decent response from both the staff and students of RVITM, Bengaluru. The students and staff actively participated in the workshop and cleared the doubts by raising the questions.



RV Educational Institutions
RV Institute of Technology and Management®



Workshop Snapshots – Students feedback