

# Narayana Engineering College: Nellore

## Guest Lecturers

S.No.	Name of the Event	Date(S)	Resource Person/Guest	Beneficiary
1	Guest Lecture on Mobile Computing	14-03-2019	Dr Asdaqe Hussain, Professor, Dept Of CSE,KLEf,Vijayawada	IV B.Tech CSE Students
2	Guest Lecture on optical Character Reorganization	03-10-2018	Mr.V.Chandra shekar IIIT-Sricity	IV B.TECH CSE Students
3	A Talk on “Machine Learning Concepts”	29-8-2018	Dr. P.E.S.N Krishna Prasad, Professor & HOD , S.V. College of Engineering, Tirupati	IV B.TECH CSE Students
4	Guest Lecture on Big Data and Hadoop Technologies	20-08-2018	Dr R.B.V.Subramanyam, Professor in CSE, NIT Warangal	III B.TECH CSE Students

### Guest Lecture on Mobile Computing

In Narayana Engineering College, Nellore, the CSE department has organized a guest lecture on Mobile Computing for Final year CSE students. For this program ,Dr Asdaqe Hussain, Professor, Dept Of CSE, KLEF, Vijayawada acted as a resource person .

A technology that allows transmission of data, via a computer, without having to be connected to a fixed physical link. Mobile computing has three aspects: mobile communication, mobile hardware, and mobile software. The first aspect addresses communication issues in ad-hoc and infrastructure networks as well as communication properties, protocols, data formats and concrete technologies. The second aspect is on the hardware, e.g., mobile devices or device components. The third aspect deals with the characteristics and requirements of mobile applications. Mobile voice communication is widely established throughout the world and has had a very rapid increase in the number of subscribers to the various cellular networks over the last few years. An extension of this technology is the ability to send and receive data across these cellular networks. This is the principle of mobile computing. Mobile data communication has become a very important and rapidly evolving technology as it allows users to transmit data from remote locations to other remote or fixed locations. This proves to be the solution to the biggest problem of business people on the move - mobility. Mobile computing has several characteristics reminiscent of distributed systems.



## Guest Lecture on optical Character Reorganization

On 30<sup>th</sup> October 2018 , in CSE department of Narayana Engineering College, Nellore we have arranged a Guest Lecture on optical Character Reorganization for Final B.Tech students. Mr.V.Chandra shekar IIIT-Sricity acted as a resource person of the lecture.

During the session he demonstrated on optical Character Reorganization and the necessity of using it. A problem arises when learning materials are not provided to students with dyslexia electronically, because they cannot use text-to-speech to read them aloud. Fortunately, there is a specific type of assistive technology called optical character recognition (“OCR”) that can convert the text on a piece of paper into electronic text, making it accessible to dyslexic students.

Now a day, many text-based learning materials are provided to students in a digital format. Administrations are investing in laptop and tablet programs, and an increasing number of students own personal computers and mobile devices. On top of that, the prevalent use of email and cloud-sharing services, such as Dropbox and Google Drive, makes it easier for teachers to distribute and collect electronic assignments. For students with language-based learning disabilities, such as dyslexia, this is an important educational development. After all, materials need to be in a digital format before they can be used with text-to-speech and other assistive technology (AT).

Learning can be difficult when materials are not provided electronically to students with dyslexia, either because teachers have difficulty creating or finding digital versions, or because digital versions do not exist. Fortunately, there is a specific type of AT called optical character recognition (OCR) that converts the text on a piece of paper into electronic text, thus making it accessible to students with dyslexia. To understand all these this session

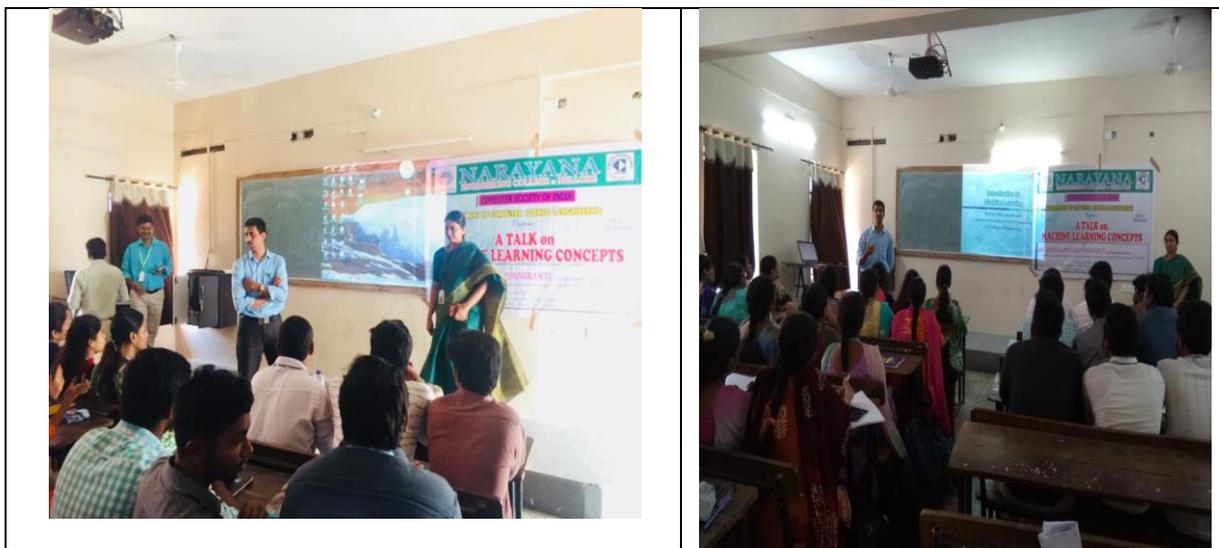


## Guest Lecture on “Machine Learning Concepts”

On 29th August 2018 ,Dr. P.E.S.N Krishna Prasad, Professor & HOD , S.V. College of Engineering, Tirupati came here to Narayana Engineering college Nellore to give a guest lecture on Machine Learning Concepts and the application area of it.

Machine Learning is getting computers to program themselves. If programming is automation, then machine learning is automating the process of automation. Writing software is the bottleneck, we don't have enough good developers. Let the data do the work instead of people. Machine learning is the way to make programming scalable.

The session mainly focused on Key Elements of Machine Learning, Types of Learning : Supervised learning, Unsupervised learning, Semi-supervised learning and Reinforcement learning, Inductive Learning, The Essence of Inductive Learning and A Framework For Studying Inductive Learning



## Guest Lecture on Big Data and Hadoop Technologies

The CSE department of Narayana Engineering college, Nellore has conducted a guest lecture on “Big Data and Hadoop Technologies” on 20th August 2018 for third year CSE students. For this guest lecture Dr R.B.V.Subramanyam, Professor in CSE, NIT Warangal acted as a resource person.

During the session the resource person has demonstrated on overview of Big data, Environmental setup, HDFS overview, HDFS operations, Map reducing Techniques, streaming and multi node clustering methods go get overall idea about Bigdat and Hadoop technologies.



## Seminars

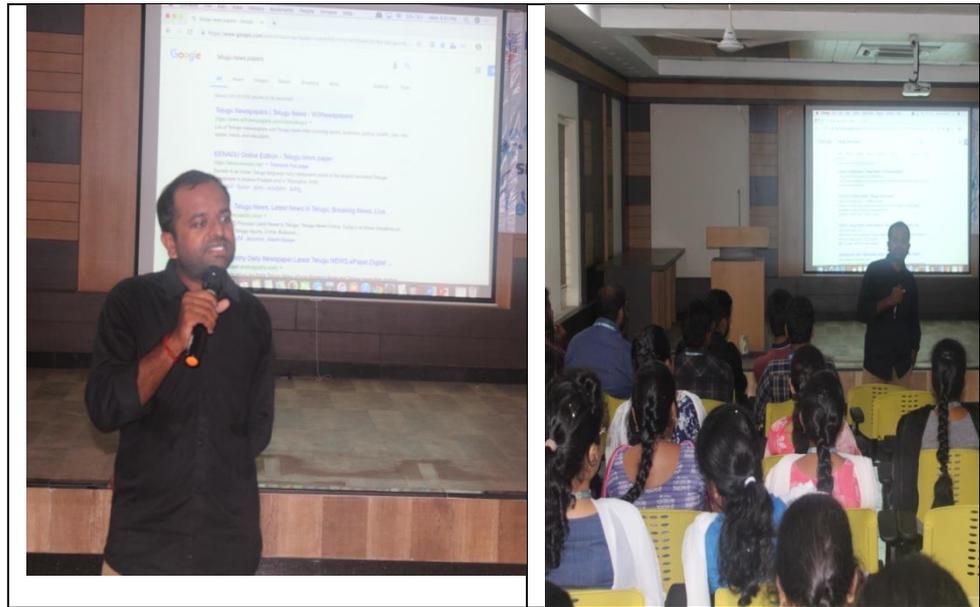
S.No.	Name of the Event	Date	Resource Person/Guest	Beneficiary
1	Seminar on “Web Development & Search Engine Optimization	01-04-2019	Mr.V.Surendra , Manager Assistive Technologies Nellore	III B.Tech CSE Students
2	Seminar on “How to build Employability Skills using Internet	31-01-2019	Mr. V.Rahul Reddy, CEO, Code & Coffee Pvt.Ltd,Hyderabad	II B.Tech CSE Students
3	SEMINAR On DevOps revolution in IT and current trends in agile	20-8-2018	Mr. M. Vijay Kumar Raju, Delivery Manager, T.C.S, U.K	IV B.TECH CSE Students

### Seminar on “Web Development & Search Engine Optimization”

On April 1<sup>st</sup> 2019, the CSE department of Narayana Engineering college, Nellore has conducted seminar program on “Web Development & Search Engine Optimization “. Mr.V.Surendra , Manager ,Assistive Technologies ,Nellore came here as a speaker.

The entire session was on Search Engine Optimization (SEO), which is a combination of approaches that makes a website easier to find through search engines like Google and Yahoo. Search friendly websites are the ones we can see on the first three pages of search results, and by just implementing search engine optimization basics we can greatly increase the chance of our website getting there.

Although there are ways of applying SEO at any time throughout the lifecycle of a website, we suggest thinking about SEO from the earliest stages of development. Otherwise, we might run into complications that make our website easier to rebuild completely than to fix. By this session the students cleared their doubts in search engine optimization.



### **Seminar on “How to build Employability Skills using Internet”**

In Narayana Engineering College, Nellore, the CSE department has conducted a seminar for II B.Tech CSE students on January 31<sup>st</sup> 2018 on “How to build Employability Skills using Internet”. For this Mr. V.Rahul Reddy, CEO, Code & Coffee Pvt.Ltd, Hyderabad was the speaker.

The resource person has given some important tips and guidelines to be followed for building employability skills using internet. The key points discussed are :

- 1) Using technology to provide real-world learning experiences can help students develop their employability skills.
- 2) Technologies such as social media, mobile devices and e-portfolios can help students build relationships with employers, develop their digital identities and showcase their skills.
- 3) Lifelong learning skills are key employability capabilities in their own right. Developing the ability to become independent, self-regulating learners are skills that will be essential for success in any chosen path.
- 4) Learner skills diagnostic tools can be used to help students identify their employability skills. Careers services can help to develop the employability skills of students.
- 5) Digital literacy’s can help students understand how technology can be used appropriately in the workplace. Considering digital literacy’s in relation to employability skills can help students to identify the right skills for the job.



### Seminar On DevOps revolution in IT and current trends in agile

In Narayana Engineering College, Nellore , As part of the activities we are going to conduct in our campus, we have invited Mr. M. Vijay Kumar Raju, Delivery Manager, T.C.S, U.K to demonstrate on DevOps revolution in IT industry on 20<sup>th</sup> August 2018. The main Moto is to give awareness to the students bringing together developers and operations to work together as a team.

Modern 'software lifecycle management' tools like IBM Collaborative Lifecycle Management facilitate this interaction by globally configuring software components, integrating development, test, and operations plans, and linking operations-controlled artifacts, such as configurations settings, to source code and other development artifacts.

Tools and technologies like Docker, Containers, and IBM UrbanCode Deploy have automated complex tasks like environment provisioning, configuration, deployment, and decommissioning. With these tools, routine but complex operations tasks are within reach of conventional developers.

