NEWS LETTER OF INFORMATION TECHNOLOGY

SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN

AUTONOMOUS

Vishnupur, Bhimavaram – 534202

Volume 9, Issue 1

IdenTity

TOPICS INSIDE

EDITOR'S MESSAGE

This Editorial Board is glad to release the current issue of IdenTity. This News Letter IdenTity provides a perfect platform to highlight the literary and artistic segments of the IT Department.
The purpose of this News Letter is to unlock the hidden potential within the students and helped the students for self motivation

HOD'S DESK

I take an opportunity to congratulate all who involved in design of this newsletter .Our Experienced faculty are the strong pillars of the department whose focus is to empower a diverse community of students to nurture their capabilities,trasform their life and find success through high quality teaching.

MEDHA MILAN 2K16

Technical Fest plays an important role in the college curriculum. It is one such event where young brains get to showcase their skills and compete with others to find the best. It is not just about the Competitions but also an event where a lot of those new ideas are seen live and learn more and be inspired. Such inspiring events that happen every year in various colleges will guide engineers to dream bigger.

FDP'S/ W ORKSHOPS/ SEM INARS

- Dr.A. Sri Krishna Attended Master Training Course on Associate Analytics in Data Analytics at APSSDC & NASSCOM,C.R.Rao Institute AIMSCS Hyderabad from 07.12.2015-11.12.2015

- Mr.M. Gowtham Attended Second National Workshop on Simulation of image, Audio & Video with Mat lab, OpenCV and Documentation with Latex (SIMDOC-2015), ?a View through eyes of researchers, At Motilal Nehru National Institute of Technology, Allahabafrom14.12.2015-18.12.2015

- Mr.G. Ratnakanth Attended TEQIP II Sponsored Training on Entrepreneurship Development at AU College of Engineering (Autonomous), AU, Visakhapatnam from 16.12.2015-18.12.2015

- Mr.G. Tej Varma ,Mr.A.MohanAttended SciPy India Conference 2015 on Python for education and scientific computing at IIT Bombay, Mumbai from 14.12.2015 to 16.12.2015

- Mr.K.Lakshmipathi Raju Attended Workshop in "SPFU(A.P) initiated TEQIP II Sponsored Training on Intellectual Property Rights(IPR)" at VR Siddhartha Engineering College, Vijayawada from 27.01.2016 to 29.01.2016

- Mr.V.Pavan Kumar Attended a Workshop on " Software Engineering" from 07.05.2016-09.05.2016 at IIT Kharagpur, Takshashila

- Mr. P.V. Rama Raju Attended National Programme on Technology Enhanced Learning Workshop on 25.06.2016 at P.V.P.Siddhartha Eng. College, Vijayawada

JOURNALS

- Mr.P.R.S.S.V.Raju participated and published a paper in Sixth International Joint Conference on Advances in Engineering and Technology-AET 2015 titled An Internet of things Based Mobile Application for Seeder Nozzle Block Detection in Agriculture, organized by ACEECOM and ACEE-Sub divisions of the IDES, Cochin on 26.12.2015

STUDENT ACHEIVEMENTS

- CH.Surya Rasagna,K.Jyothsna of Had Secured Second Prize in AVISHKAR-16 for the eventPaper Presentation Held at D.N.R College of Engineering

- J.DIvya and M.SaiSree has particpated and secured First prize in the event of paper presentation of AGASTHYA organised by the Computer Science And engineering department ,GVVR Institute of Technology

- V.Neha,Y.Srija has particpated and presented in the event on paper presentation and won Second prize in TECHFLEET -2K16 which was organised by information Technology CSI Student Chapter

MACHINE LEARNING

Machine Learning

Machine Learning is the field of study that gives computers the capability to learn without being explicitly programmed. ML is one of the most exciting technologies that one would have ever come across. As it is evident from the name, it gives the computer that which makes it more similar to humans: The ability to learn. Machine learning is actively being used today, perhaps in many more places than one would expect.

The processes involved in machine learning are similar to that of data mining and predictive modelling. Both require searching through data to look for patterns and adjusting program actions accordingly. Many people are familiar with machine learning from shopping on the internet and being served ads related to their purchase. This happens because recommendation engines use machine learning to personalize online ad delivery in almost real time. Beyond personalized marketing, other common machine learning use cases include fraud detection, spam filtering, network security threat detection, predictive maintenance and building news feeds.

How machine learning works

Machine learning algorithms are often categorized as supervised or unsupervised. Supervised algorithms require a data scientist or data analyst with machine learning skills to provide both input and desired output, in addition to furnishing feedback about the accuracy of predictions during algorithm training. Data scientists determine which variables, or features, the model should analyze and use to develop predictions. Once training is complete, the algorithm will apply what was learned to new data. Unsupervised algorithms do not need to be trained with desired outcome data. Instead, they use an iterative approach called deep learning to review data and arrive at conclusions.

Unsupervised learning algorithms -- also called neural networks -- are used for more complex processing tasks than supervised learning systems, including image recognition, speech-to-text and natural language generation. These neural networks work by combing through millions of examples of training data and automatically identifying often subtle correlations between many variables. Once trained, the algorithm can use its bank of associations to interpret new data. These algorithms have only become feasible in the age of big data, as they require massive amounts of training.

By
Vineetha