

Sveri's College of Engineering (Polytechnic), Pandharpur Department of Information Technology Issue (Technology Awareness & Knowledge to Rising Association)

Volume 6 15th August, 2019

Machine Learning -Mr. S. R. Khole

Machine learning is an application of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. Machine learning focuses on the development of computer programs that can access data and use it learn for themselves.

The process of learning begins with observations, such as examples, direct experience, in order to look for patterns in data and make better decisions in the future based on the examples that we provide. The primary aim is to allow the computers learn automatically without human intervention and adjust actions accordingly. Machine learning algorithms are often categorized as supervised or unsupervised.



Supervised machine learning algorithms can apply what has been learned in the past to new data using labeled examples to predict future events. Unsupervised learning studies how systems can infer a function to describe a hidden structure from unlabeled data.

Quarterly News Bulletin

Cont. from page 1 Police Duty Management

tions without being pre- them. Location of the po- and Atharv Ruplag. sent physically at the duty liceman can be tracked allocation spot as during while marking the attend-Wari reaching the duty ance hence; no policeman allocation spot itself is a leaves his/her duty point. challenge for the police- Controlling officers can man due to non availabil- also generate various reity of any mode of fast ports like absenteeism travel. Officers and po-report, allocation report, liceman can make phone memo report, duty chart calls to each other for in- etc. in single click. This formation sharing. The project is developed by app works both in online teachers Mr. S. A. Zamand offline mode there- bare, Mr. A. S. Bhise. fore in case of network A.S. Bhatlavande, Mr. P. congestion there is no S. Bhandare and students confusion for smooth Siddhesh Khadake, Tejas working of the admin- Patil, Yashraj Chavan,

Each policeman is per- istration. The policeman Dhawal Dyavanpalli, Rosonally informed about can know the other team hit Konde, Prajwal Beninstructions or notifica- members on duty with dale, Abhishek Warpe

Cont... Machine Learning

Reinforcement machine learning algorithms is a learning method that interacts with its environment by producing actions and discovers errors or rewards. Trial and error search and delayed reward are the most relevant characteristics of reinforcement learning.

Digital Forensics -Rutik Deshpande, (TY-IF)

In simple words, Digital storing digital data. Tradi- harassment, pornography, Forensics is a branch of tionally it has been associ- theft of electronically

forensic science related to the use of digital information produced, stored and transmitted on computers as source of evidence in investigations

and forensics. Encompassing the recovery and investiga-

The term digital forensics courts.



tion of material found in ated with criminal law, As the world continues to digital devices, often in where evidence is collect- cover deeper and deeper relation to computer ed to support or oppose a into digital technologies hypothesis before the and devices, it will be crit-

was originally used as a Digital forensic analysis develop a well thought out synonym for computer of these types of system strategy for digital forenforensics but has expand- and networks can provide sics. ed to cover investigation digital evidences e.g. of all devices capable of planning a murder, cyber

stored information

> and data generate fraudulent documents with the help of scanners and printers. So the role of Digital investigation in solving the case can lead to a complete change in the investigation if the same is done properly

ical for most law firms to

Independence Day..!

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Message From HOD

It is our pleasure to present first issue of news letter "TANTRA" of our department to all student's. This news letter is one of the ways in which we can disseminate the information about department. It covers various technological articles, departmental activities, achievements of students and staff members.

I wish you all Happy

Mr. A. S. Bhise

Quarterly News Bulletin

(Technology Awareness & Knowledge to Rising Association)

-Mr. S. A. Zambare

State Level Project

Competition at Sanjay

Ghodawat Polytechnic

Kolhapur. In the project

competition, the project

received the second prize

Pandharpur is known as oped for distributing and there was successful exethe South Kashi of India, controlling police Bando- cution of BAAS. where there are total four bast through an online sys- In the month of March Waris (Quarterly Pilgrim- tem. The first testing of 2019, MSBTE organized

Sveri's College of Engineering (Polytechnic), Pandharpur

Department of Information Technology

age) held every year in Pandharpur. The pilgrims from all over Maharashtra as well as from different states of India visit Pandharpur. So, handling the Wari without any inconvenience is the biggest challenge be-

Police Department.

tem which is named as 2019, Magh Wari, Chaitra per the availability of the BAAS (Bandobast Alloca- Wari and recently this ap- reserve staff. tion and Attendance Sys- plication is used in holiest Cont.. on Page 4 tem). According to their Wari of Maharashtra i.e. requirement, a website and Ashadhi Wari 2019 and an Android App are devel-

worth Rs. 50,000. Similalry, in SKN Sinhgad College, Pune the project achieved the best project award worth Rs 21,000/-Using this application, fore the administration and this software was held in police department can conthe month of December trol the duty allocation and Therefore, Solapur Rural 2018 for VIP Bandobast. attendance of each and Police sponsored one pro- After that, it has been used every on duty official. In ject on Online Police Ban- in various Police Bando- case of any emergency, dobast (Management) Sys- bast like General Election- duties can be rearranged as



Dark Web -Ajinkya Bahirat ,(TY-IF)



software, configurations, works, as well as large, tion technique of onion or authorization to access. popular networks like Tor, routing.

The dark web forms a Freenet, I2P, and Riffle small part of the deep operated by public organiweb, the part of the Web zations and individuals. not indexed by web search Users of the dark web reengines, although some- fer to the regular web as times the term deep web is Clearnet due to its unenmistakenly used to refer crypted nature. The Tor The dark web is the World specifically to the dark dark web may be referred Wide Web content that web. The darknets which to as onionland, a referexists on darknets, overlay constitute the dark web ence to the networks topnetworks that use the In- include small, friend-to- level domain suffix. onion ternet but require specific friend peer-to-peer net- and the traffic anonymiza-









RECENT TRENDS IN IT

EDITORIAL

It gives us great pleasure to present the first issue of our Department newsletter "TANTRA"2019, which gives us the opportunity to focus the achievements in our department and new trends in Computer Engineering field.

We are thankful to all the students and faculties who have contributed during the preparation of this

newsletter. We have tried our best and given positive efforts, expecting creative responses from everyone to continue the flow of knowledge through this quarterly newsletter.

Editor -Mr. S. A. Zambare Co-Editor- Mr. S.R. Khole

Workshop

Department has organized 40 days workshop on Python for third year students and 15 day workshop on PHP for second year students in the collaboration with TechnoWings International IT Solution. The main motive of such workshop is to bridge gap between Academics and Industry.



Wish you Happy 73rd Independence day

Our Vision

To Provide diploma education strengthened with basic knowledge and skills along with professional ethics enabling students to reach higher goals in the filed of Information Technology

Our Mission

- 1. To impart value based technical education in Information Technology
- 2. To support the students for technical knowledge in the field of Information Technology
- 3. To make students efficient in various skill sets in Information Technology
- 4. To encourage students for lifelong learning

Virtual Reality -Makarand Khiste (SYIF)

ate a simulated environ- entist, and etc.

faces, VR places the user mounted display (HMD) inside an experience. In- was created in 1968 by stead of viewing a screen in computer scientist Ivan front of them, users are imSutherland. Sutherland was mersed and able to interact one of the most important with 3D worlds. And that 3D figures in the history of world is provided by virtual computer graphics, having

Virtual Reality is used in

Virtual Reality is the use of various fields like educa- Computer-Aided computer technology to cre-tion, medical, military, sci-(CAD).

Unlike traditional user inter- The first actual VR headdeveloped the revolutionary "Sketchpad" software that paves the way for tools like



Design

Robotic Process Automation (RPA) -Amardip Madhukar Pawar (TY IF)

which are labor.

Intensive tion, website, user portal, set of business rules.

mate workflow, infrastruc- program which runs on an cess to the code or datature back office process end user's pc, laptop or base of the applications. these quence of commands tion 2.0 often referred to as software bots can interact which are executed by unassisted. RPA is the next with an in-house applica- Bots under some defined generation of RPA related

> Robotics process automation process to replace repetitive and boring clerical development of code, nor ment work.

RPA can be used to auto- etc. The RPA is a software does it require direct acmobile device. It is a se- Robotic process automatechnologies. Technologi-The main goal of cal advancements and imcial intelligence technologies are making it easier for businesses to take adtask performed by humans, vantage of the benefits of with a virtual workforce. RPA without dedicating a RPA does not require the large budget for develop-

Smart Assistant (Asus Zenbo) Athary Pailwan (TYIF)

The Taiwanese electronics man- Asus chairman, said: "For decufacture Asus has unveiled a ades, humans have dreamed of home robot called Zenbo that owning such a companion: one can talk, control your home and that is smart, dear to our hearts, provide assistance when needed and always at our disposal. Our - all for the cost of a top-end ambition is to enable robotic smartphone. Jonney Shih, the computing for every household."



MSBTE has organized Zonal Level Sport competition in the year of 2019. In that competition our students got prizes in various events.

- 1. Sanket Gajare (Winner-Badminatan)
- 2. Ajinkya Bahirat (Winner-Badminatan)
- 3. Onkar Bhosale (Volleyball wining team member)
- 4. Makarand Khiste and Sudarshan Makar (Runner up chess)

Congratulations all...



Training Attended

Faculty Workshop

racuity	Workshop		
Ms. C. N. Gund	Industry 4.0		
Mrs. G. J. Khare	Industry Consulting		
Mr. L. B. Dethe	High Speed Digital Sys- tem		
Mr. S. R. Khole	R- Programming		
Par	ngratulations		

All Rankers of

Sport Achievement's Artificial Intelligence The Power of Applied Intelligence Mansi Chalkikar (SY IF)

A year spend in AI are creating robots to is enough to make one teach subjects, robots are situation like "AI proposbelieve in god". AI is the very common in many new buzzword of the 21st industries, solving variety century. Artificial Intelli- of problems of surgery of

gence is coming in to our lives faster than we had anticipated. It's making sure that it knows about you more than you do. AI is not specially related to computer science. This is field of study that encompasses human

behavior, biology, psy-patients chology and even lan- "SOPHIA" is biggest technology". Otherwise

of AI for analyses satellite citizenship. images which areas are vantages of AI are powerhighest poverty level, ful and useful gadgets, AI is "By far, the greatest Gate allocation for plane self-problem-solving ap- danger for AI is that peowhile landing, ticket price proach, better handling of ple conclude too early that determination, companies information.

etc. creature of AI. The Saudi human should be worried The current status Arabian granted Sophia The

Further it would be es and MAN disposes", because AI is like two edges of sword at one end it solves problem intelligently and other end it has problem themselves. So, we have to handle it properly. AI is boon or ban for humankind is depend upon how we use it as "we should give and The take respect from and to about the treat posed by AI. The popular slogan for they understand it".

MSBTE Summer 2019 Examination: Our Ranker's

Sr. No.	Name of Students	Class	Percentage	Rank
1	Surwase Vasudev Eknath	F.Y.	94.75	First
2	Nimbalkar Varhrsha Haridas	F.Y.	90.50	Second
3	Ghadage Punam Rajaram	F.Y.	88.50	Third
4	Sayyad Gausiya Ayub	S.Y.	93.60	First
5	Koli Ashutosh Shankar	S.Y.	90.50	Second
6	Bahirat Ajinkya Atul	S.Y.	88.60	Third
7	Londhe Akshara Shashikant	T.Y.	90.06	First
8	Patil Ujjawala Uttam	T.Y.	89.47	Second
9	Ligade Atharv Rajeshwar	T.Y.	87.06	Third

