

26th January2021

NIGHT VISION TECH-**NOLOGY**

This system processes far infrared radiation, which minimizes non-essential information placing a greater emphasis on pedestrian and animal, allows for a range of 300 meters or nearly 1,000 feet, and avoids "dazzle" from headlights, road lights and similar intense light sources. In 2008 vehicles are added with a pedestrian detection system which flashes a caution symbol on navigation information screen and head up display when it detects a pedestrian. The objective of the pedestrian warning algorithms is to accurately detect pedestrian and provide the driver with informative warning. In eyes of the driver, the end product of the good system provides the timely warning and possibly, additional information such as the position of the pedestrian or an overlaid on the night vision display. Cont. on Page no.4.)

Shri Vithal Education And Research Institute's College of Engineering (Polytechnic), Pandharpur

TECH- EXPLORER

(from page-1..) Enterprise Mobility with the Oracle Mobile Platform

Quarterly News Bulletin

Integrate: Mobile Service includes mobile access ca- for enterprise computing **Integration**- Integration is pabilities with support for will see the convergence of one of the leading challeng- REST APIs and OAuth. the Internet of Things with es of mobile application Oracle API Gateway acts as mobile computing to create development. Many Oracle a control point for manag- the Connected Enterprise. customers have already ad- ing how internal users and Being able to leverage modressed this challenge applications are exposed to bile technology and make it through their use of Oracle third-party cloud offerings meaningful by finding sig-Fusion Middleware and while reducing security nificant links to multiple, service- oriented architec- risks. You can leverage varied sources of is what ture (SOA). Mobile appli- your existing Identity and will lead to promising decations communicate with Access Management in-velopments across industry back-end applications vestments by extending segments. Oracle Mobile through standard Web ser- authentication, authoriza- Platform, built on Oracle vices. tion and risk policies to mo- Fusion Middleware tech-Secure: Mobile Identity bile.

Oracle Access Management Frontier- The next frontier ments.

(from page-4..) NIGHT VISION TECHNOLOGY

There are two different ahead of the vehicle in the technologies in the market central information display for night vision system. (CID). The night vision is Far infrared (FIR) also 100% passive system withcalled passive infrared out active infrared illumina-And Near infrared (NIR) tion. Objects situated ahead also called active infrared. What is Night Vision System?

The night vision system the temp of these objects. provides the driver with the black and white image of detect in good time heat the driving environment

nology, will fully support and Access Management- Conclusion: The Next your needs and require-

Issue

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with the Oracle Mobile Platform

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Message from Principal

I feel very proud that our SVERI's

(Polytechnic) has endeavored to

come up with this "Tech-

Explorer" quarterly news bulletin

which explores the hidden poten-

SVERI's Polytechnic is growing

day by day and reaching the

heights of success with the excep-

tional performance of our stu-

dents. Recently, this college has

been recognized as the best cam-

"Tech-Explorer" is a platform

through which our students ex-

plore their ideas, thoughts as well

as skills. I feel delighted to say

that our students have shown ex-

cellent performance in recent

MSBTE examination as well as in

I appreciate the students and fac-

ulty members who have taken

much efforts to bring this "Tech-

Explorer" quarterly news bulletin

I wish you all Happy Republic

extra-curricular activities.

in existence.

Day.....!

pus in Maharashtra and Goa.

Engineering

of

Page 3.2: New Technologies

Transforming the Grid Edge

Page 4.1: NIGHT VISION

Summer-2020 Exam

TECHNOLOGY

tial of our students.

nology

mission

College

Volume **8**

(from page-1...) The Blue **Eyes Technology**

CSU buffers incoming sensor data and provides visualization interface.

The basic idea behind Blue Eyes Technology is to give computer the human power i.e. It uses non-obtrusive sensing method, employing most modern video cameras and microphones to identify the user's actions through the use of imparted sensory abilities



Enterprise Mobility with the Oracle Mobile Platform _Ms. Sonali Jadhav(TY-CO,

advent of mobile computing, become the new normal. applications are no longer Oracle Mobile Platform:

Oracle Mobile Platform One Platform, Any App, Any Data, Any Device - Secur



The Blue Eyes Technology

Imagine yourself in a world ty, feels your presence, and computers. You are sitting in You ask the computer to dial device called Data Acquisifront of your personal computer that can listen, talk, or even scream aloud. It has the ability to gather information about you and interact with you through special tech- your friend at his office. It from the sensor and sends it niques like facial recognition, realizes the urgency of the over the Bluetooth and delivspeech recognition, etc. It can situation through the mouse, ers the messages sent from even understand your emo- dials your friend at his office, CSU to the operator. tions at the touch of the and establishes a connection. mouse. It verifies your identi-

Page 4.

emitting.

of the vehicle are shown in

varying degrees of the

brightness depending upon

This enables the driver to

For many years, corporate IT tied to the desktop and end Develop: Mobile Applicadepartments looked to the users expect to be able to tion Framework desktop as the only way to switch between desktop, tab- Oracle's Mobile Application present information from let or smartphone anytime, Framework is a commercial their corporate enterprise anywhere. This multi- Java and HTML5-based enapplications. But with the channel environment has vironment for building and

Data-Secure - This means HTML5 provides common that the same platform that cross-platform you use to develop and Java, the world's most popumaintain your enterprise ap- lar programming language, is plications can now be ex- used to develop the applicatended to develop, integrate, tion logic. secure, deploy, and manage your mobile applications.

extending enterpriseapplications. Based on a hy-Any App, Any Device, Any brid mobile architecture interfaces

(Cont.. on Page no.4..)

-Ms. Akanksha Mali (SY-IF)



Blue Eyes system conwhere humans interact with starts interacting with you. sists of a mobile measuring tion Unit (DAU) and a central analytical system called Central System Unit (CSU) interconnected by Bluetooth. DAU collects information

(Cont.. on Page no.4..)



growth.



EDITORIAL

It gives me great pleasure to present the 8th issue of our College of Engineering (Polytechnic), Pannewsletter dharpur "Tech-Explorer", which gives us the opportunity to focus the achievements in our college and new trends in Engineering field. I am 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.

Students' Achievement

Foll	owing S	Students of Electri-		
cal	Dept.	are	selected	in
MSEDCL, Maharashtra on				Jun-
ior H	Engineer	post.		

Sr. No.	Name of Student	
1	Mr. Sawant Rahul H.	
2	Mr. Thorat Abaso B.	
3	Mr. Nirmale Tanaji A.	
4	Mr. Gandule AnilA.	
5	Mr. Khot Ramchandra B.	
6	Mr. Godase Sanket S.	
Ъ.Γ.,	A she do she IZ she she should be a	

Mr. Ashutosh Koli, student Third Year IT selected in Infosys.

Mr. Aman Kazi (SY-CO)

According to the report ment destinations for tech- According NITI to from NASSCOMM, Data nology transactions world- Aayog's discussion paper and Artificial Intelli- wide. In recent times, the on AI "National Strategy gence (AI) could potential- country has focused its in- for Artificial Intelligence", ly add \$450-500 billion terest more on technology, a national AI strategy to **India's** gross domestic realizing that it is a vital needs to be premised on a product (GDP) by 2025 component of economic framework that is adapted



the country's unique requirements and aspirations. Simultaneously, it is capable of accomplishing India's full poten-

cially in Artificial Intelli- development. From enter- tial of leveraging AI develgence. There is no doubt prises, agriculture, and ed- opments.

that the technology has the ucation to healthcare and From an economic impact potential to transform busi- transportation, AI can be a perspective, AI has the nesses the way it is done transformative technology ability to drive growth earlier. Now, countries are for the country. through automating multifocusing more on leverag- Considering reports, in just layered physical tasks that ing this tech to become and two years, AI is tipped to require adaptability and lead the race for AI su- boost the rate of innovation agility across industries. premacy across the globe. in India by about 230%. In The focus sectors include In India, there is a huge recent times, the country Education – preparing next scope for AI as the country has been focusing on re- generation to leverage the has been a growing hub for search but is still far from global AI revolution to business and ranks among catching up with the world India's advantage. the most lucrative invest-leaders.





Unless you are particu- can add a lot of clutter in per provides the techlarly organized and good the process. For these niques used for wireless with tie wrap, you proba- reasons, scientists have power transmission. bly have a few dusty tried to develop methods As a result of the extenpower cord tangles of wireless power trans- sive research in WPT, around your home. You mission that could cut various categories have may have even had to the clutter or lead to arisen. WPT can be catefollow one particular clean sources of electric- gorized in terms of efficord through the seem- ity. Researchers have ciency, distance of transingly impossible snarl to developed several tech- mission, power level and the outlet hoping that the niques for moving elec- size. Classification based plug you pull will be the tricity over long distanc- on distance of transmisright one. This is one of es without wires. Some sion however is more the downfalls of electric- exist only as theories or relevant. For any electroity. While it can make prototypes, but others are magnetic source both people's lives easier, it already in use. This pa- electric & magnetic New Technologies Transforming the Grid Edge Mr. Kadam P. D. (EE) The electricity system is spurred by the sharp de- Internet of things and a in the midst of a trans- crease in costs of distrib- surge of powerformation, as technology uted energy resources consuming connected and innovation disrupt like distributed storage, devices. These three traditional models from distributed generation, trends act in a virtuous generation to beyond the demand flexibility and cycle, enabling, amplifymeter. Three trends in energy efficiency Digi- ing & reinforcing develparticular are converging talization of both the opments beyond their game- grid, with smart meter- individual contributions. produce to changing disruptions: ing, smart sensors, auto- Electrification is critical Electrification of large mation and other digital for long-term carbon resectors of the economy network technologies, duction goals and will such as transport and and beyond the meter, represent an increasingly heating Decentralization, with the advent of the relevant to share.

1. Mujawar Simran (EJ) 95.24% 2. Patil Madhuri (EJ) 95.12%

College of Engineering

(Polytechnic), Pandharpur

Third Year Branch wise 3 Top-

pers of Summer-2020 Exam

Percentage

99.76%

99.06%

98.94%

99.33%

99.33%

98.78%

98.11%

99.73%

98.53%

98.13%

99.67%

99.66%

98.89%

95.83%

94.94%

94.89%

Name of Student

1. Katkamwar Yash (CO)

2. Gund Pratiksha (CO)

1. Ghadage Shyam (ME)

3. Ranpise Priti (CO)

1. Patil Jaydeep (ME)

2. Jagdale Akshay (ME)

3. Khatal Sachin (ME)

1. Sayyad Gausiya (IF)

2. Bahirat Ajinkya (IF)

3. Koli Ashutosh(IF)

1. Bhogaonkar Ajay (CE)

2. Pimpale Maruti (CE)

3. Bodake Sakshi (CE)

2. Ritapure Vaishnav(EE)

1. Gade Rahul (EE)

3. Kokare Kajal (EE)

94.94% 3.Mhamane Vaishnavi(EJ)

Mr. S.M.Ghodake (EE)