

SVERIs College of Engineering (Polytechnic), Pandharpur. 01 Department of Electronics and Telecommunication Engineering EUETRA TIMES August 2018 In this issue ABOUT DEPARTMENT

Using light for next-

association " CENTIA " in

These departments have organized national level event "TALENT HUNT"

bedded System, PLC and

students. This type of ac-tivities are used to get

Our students and faculties

(C) ELETRA

Mr. M. A. Kumbha

ising techniques of achieving this is optical data storage. Dr Riesen and University of Adelaide PhD student Xuanzhao Pan developed technology based on nanocrystals with light-emitting properties that can be efficiently switched on and off in patterns that represent digital information. The researchers used lasers to alter the electronic states, and therefore the fluorescence properties, of the crystals. Their research shows that these fluorescent nanocrystals could represent a promising alternative to traditional magnetic (hard drive disk) and solid-state (solid state drive) data storage or .

Using light for next
Tiny, nano-sized crystals of salt encoded with data using light from a laser could be the next data storage technology of choice, following research by Martialian scientists. The researchers have the same than the could be the next data storage technology of choice, following research by Martialian scientists. The researchers have demonstrated as a storage technology of the same technologies are required to meet the demands of 100s of terabyte (1000 gigabytes) or even pet byte (normillion gigabytes) storage. One of the most provincing technologies such as hard drive disks and solid-state storage are fast approaching their limits We have entered an age where new technologies are required to meet the demands of 100s of terabyte (1000 gigabytes) or even pet byte (normillion gigabytes) storage. One of the most provincing techniques of achieving this is optical data to read the control of the storage.

Dr Rieser and University of Adelaider Phot storage the chology also with light-entiting properties of the crystales. Their research shows that these fluorescent properties, of the crystales. Their research shows that these fluorescent properties, of the crystales. Their research shows that these fluorescent processing alternative to traditional magnetic (hard drive disk) and solid-states (foll-distant-drive disks) and solid-states (foll-distant-drived data storage or a special properties of the crystales. Their research shows that these fluorescent properties, of the crystales of the distance of the control of the distance of the crystales. Their research shows that these fluorescent promising alternative to traditional magnetic (hard drive disk) and solid-state folial state drived and the crystales of the control of the crystales of the control of the crystales. The crystales are controlled to the crystales are controlled to the crystales of th



Traffic accidents could be decreased with 5G technology

A 5G solution developed by VTT Technical Research Centre of Finland has been designed to bring real-time 3D views to intervehicle communication. "The speed of the 5G network enables transmitting large 3D views between vehicles. As a result, the communication distances of car observations can be increased and data can be obtained from areas which the car's own sensors do not cover and are not in its view," says the leader of the 5G-Safe project, aiming for reducing road traffic accidents, Tiia Ojanperii at VTT The first piloting target was VTT's robot ear Martti, which was used to test the ability to detect obstacles and ruts in the road. A demo implemented in Sodankylä was based on the data transmission of the LiDAR sensor on a 12.5Hz frequency to the MEC serve of VTT's 5G test network. There, the data was received by Unikie's algorithm, of which the warnings enabled optimising Martti's route according to its abilities.



engineering is the utilization of practical problems in the field of communications. It is the old-est branch of engineering and also emerging as a fastest growing branch alongwith IT industry. There are a lot of job oppor-tunities in Pvt sector as well as public sector.

get a job by

• GATE: It will allow you to work in PSUs like NTPC, BEL.etc. also will allow

you to take admission in IISc, IITs NITs and other state sponsored engineering colleges. Where you will get stipened of Rs. you will get stipened of Rs. 12000 pm. along with your education and also you can get expertise in a particular area. After your M.Tech. You can Opt PhD and earn a stipened of About Rs. 38000 pm.BSNL: You car work in stae sponsored tel-ecom sector with a revenue of 280 billion INR

TUNITITIES FOR ELEC-TRONICS EN-GINEER IN GOVERNMENT SECTOR

STUDENTS

NO

JOB OPPOR-

India releases vacancy for fresh scientists and engineers. So you can go there and do a lot of research in the space scient space.

 The space scient space of the space scient space of the space scient space of the space scient space.

 The space scient space space

 4 DRDO: Defence Research 4. DRDO: Defence Research and Development Organization also releases vacancy for research fellows and you can apply their and excel in the technology of Indian Defence.

Fellows in CSIR labs across the country you have to give exam of NET and after which you will be working on different re-search projects.

an Railway sector jobs as it pro-vides many benefits. You will have to pass their exams like Spe-cial Class Railway Apprentice cial Class Railway Approximate (SCRA) exam or Railway Re-cruitment board (RRB) exams and other railway entrance ex-ams. Look for them in the daily

By Mr. Kumbhar M. A.

DEPARTMENTAL ACHIEVEMENTS IN

Sub MARKS

ACS 94/100

MCO 92/100

MCO 91/100

ESY 93/100

ESY 92/100

ESY 91/100

ESY 91/100

ACO 92/100

LIC 91/100

AME 70/70

AME 70/70

AME 70/70

AME 70/70

AME 69/70

EEC 67/70

EEC 67/70

CPR 70/70

SUBJECT TOPPER

1 KORAPE VAISHNAVI SANJAY

2 KORAPE VAISHNAVI SANJAY

3 KUMBHAR SEEMA RAMDAS

4 KUMBHAR SEEMA RAMDAS

5 JAGTAP SURANIALI BANDU

6 NIRMALE RUTUJA NARAYAN

10 SALUNKHE ROHINI AMBADAS

11 SONAR SHASHANK RAMAKANT

13 MHAMANE GITANJALI KRUSHNAT

12 PATIL MADHURI DHANANJAY

15 SALUNKHE ROHINI AMBADAS

16 PATIL MADHURI DHANANJAY

17 SALUNKHE ROHINI AMBADAS

DEPARTMENTAL RESULT FOR A.Y. 2015-16

NAME OF STUDENT

MR. SONAR SHASHANK RAMAKANT

Ms. PATIL PARVATI TAMANNA

Ms. FULARE PRATIKSHA VIJAY

MS. KUMBHAR SEEMA RAMDAS

MS. KORAPE VAISHNAVI SANJAY

Ms. RANDIVE ASHWINI BRAMHADEV

Ms. GEND PAYAL NAVNATH

MANEPATIL AARTI SHAHAJI

8 GEND PAYAL NAVNATH

9 GEND PAYAL NAVNATH

14 BABAR MEGHA DINKAR

Our staffs had gone through the various trainings at prasar bharti pune and IIIT Mumbai for short term training and photovoltaic power

Ac-

• Three staff of our department are pursuing ME in various field.

in R & D activities and have completed the project sponsored by agencies like IEI

• One faculty of our department have attained the worksh of mind spark

CLASS

1st Year

2nd Year

3rd Year

MARKS

95.63

89.63

86.38

86.25

82.00

90.65

90.24

89.88

EYE ON IT

TECHNOLOGIES DEVELOPED BY DRDO ELECTRONICS DEPT. GOVT. OF INDIA.

Battlefield Surveillance Radar •EOCM-Class Laser System

Communication Systems Briefcase SATCOM

System

•Laser Designator PRF Code
Recognition Device
•Palmtop Green Microchip
Laser Module
•Passive Q-Switching
•Threshold Detector

SOFTWARE USED FOR

ELECTRONICS MATLAB

A Altera Quartus

Code Composer Studio

OptSim

Commsim

Emu8086

• Proteus Design Suite

Agilent Advanced Design

ELECTRA





