MCET

InfoQuest

-A Technical Magazine

INFORMATION TECHNOLOGY

Volume:11
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VISION & MISSION

STUDENT ACTIVITY

STAFF ACTIVITY

TRAINING & PLANNING

DRAWING & PHOTOGRAPHY

ARTICLES

VISION & MISSION

Department of InformationTechnology

Vision :

To become a Centre of Excellence in education and research in the field of Information Technology, to meet global challenges in computing industries.

Mission :

- ✓ To impart world-class knowledge in the field of Information Technology.
- ✓ To promote industry-institute interactions to empower the faculty members and students.
- ✓ To support and facilitate research and development activities.
- ✓ To develop all round personality by inculcating the values and skills needed for students to upgrade themselves as IT professionals.

Programme Educational Objectives (PEOs)

The graduates will:

PEO1. Technical Expertise: Have high level of technical competency to identify problems and to generate innovative solutions, which would conform to the needs of IT industry.

PEO2. Lifelong Learning: Successfully adapt to changes in roles and responsibilities, through lifelong learning, for collaborating professionally with various stakeholders.

PEO3. Ethical Knowledge: Ethically apply their computing knowledge and skills considering societal, economic and environmental factors.

Programme Outcomes (POs)

PO 1. Engineering knowledge

PO 2. Problem analysis

PO 3. Design/development of solutions

PO 4. Conduct investigations of complex problems

PO 5. Modern tool usage

PO 6. The engineer and society

PO 7. Environment and sustainability:

PO 8. Ethics

PO 9. Individual and team work

PO 10. Communication

PO 11. Project management and finance

PO 12. Life-long learning

Programme Specific Outcomes (PSOs)

PSO 1. Open Source Software

PSO 2. Data Science

Student Activites

- Technical Events
- Workshops and presentations
- Inplant trainings

College Events

(Intra/Inter)

K.Yuvan karthik(17BIT013),
K.S.Meiarasan(17BIT073)
Event-Technical coding event
Dated on-15.12.18
@ Dr.MCET, Pollachi.

R.Reshma(3rd year),M.Gowri(3rd year),
A.Riyamol (3rd year),M.Kavya(3rd year)
Event-Hackathon Dated on-28.12.2018
@ Sri Ramakrishna Engineering College, Coimbatore.

M.Giri(3rd year),M.Kartheeswaran(3rd year),
J.Poovendran(3rd year),P.Bavithra prasanth(3rd year)
Event-Hackathon Dated on-27.12.2018 & 28.12.2018
@ Kongu college of Engineering, Perundurai.

V.Ponmanikandan,D.Rajeshwar,R.Abhishek,B.Surya,
A.Srinath,K.Tamil Selvan,R.Mohanraj,A.Abhiram kumar,
S.Sabareeshwaran,M.Nishanth-(All 3rd years)
Event-India Innovation Challenge Design Contest(Online)
Dated on-04.11.2018

Aiswarya Ganesh-1st prize
Sushmitha R-2ndprize
Event-All India vigilance week competition(Elocution)
Dated on-15.12.18
@Syndicate Bank, LLC, MCET

Workshops:

(In and around college)

R.Logapriya(3rd year),S.Suganya(3rd year),
R.Raja BaluMathi(3rd year),K.Naazia(3rd year)
S.Priyanka(3rd year),S.Sujatha(3rd year)
R.Tharani priya(3rd year),S.Lakshmi(3rd year)
-Workshop on "Data Security in IoT".
Date:28.12.2019 & 29.12.2019
@MCET, Pollachi.

E.Gokulapriya(2nd year)
-Workshop on Android. Date:10.12.2018
@Appin Technologies, Coimbatore

Paper presentations

Title:IoT Based Smart Energy Meter

By:S.Sairam(4th Year),S.Ramalingam(4th Year),
A.Subakarthikeyan(4th Year),S.Afras Ali(4th Year).

Venue:ICAARS 2018 at PSG tech College,Coimbatore.

Dated on:14.12.2018 & 15.12.2018

Title:Recent trends

By:P.S.Sowbaran(2nd Year),K.Srivisahan(2nd Year),
K.Ajeeth(2nd Year),N.Dhinesh(2nd Year),
S.Shailesh(1st Year).

Venue:Sri Ramakrishna Engineering College,Coimbatore.

Dated on:28.12.18.

Title:Blue Eyes Technology

By:P.Jayadharshini(3rd Year),
K.Rasika(3rd Year).

Venue:Kongu college of Engineering, Perundurai.

Dated on:27.12.18.

Inplant Training

Palsamy (3rd Year)
Dated on:03.12.2018 -07.12.2018
@HCL Technologies, Coimbatore

A.Abhiram kumar (3rd Year) Dated on:05.12.2018 -09.12.2018
@Pantech solutions, Coimbatore

R.Sarumathi (3rd Year),Logapriya. R (3rd Year)
Tharanipriya.R (3rd Year),Priyanga.S (3rd Year)
R. Mowriya (3rd Year) Dated on:05.12.2018 -08.12.2018
@Abile Technologies, Coimbatore.

Gokul. S(3rd Year),Mohan C(3rd Year),Pavan S (3rd Year)
M.Mohamed Jassim (3rd Year),Harish M.S (3rd Year),
Nantha kumaar C.V (3rd Year),Barath (3rd Year).
Dated on:05.12.2018 -08.12.2018
@Appin Technology, Coimbatore.

Rampriya (2nd Year) Dated on:29.11.2018-06.12.2018
@Dagsware, Coimbatore

Sri Kamali R (3rd Year),Sandhiya.T(3rd Year).
Dated on:26.11.2018 - 28.11.2018
@Abile Technologies, Coimbatore

Inplant Training

Nagaraja S (2nd Year)
Dated on:30.11.2018 -01.12.2018
@CodeBind Technologies, Coimbatore.

Sujatha. S (3rd Year),Sanjay .R (3rd Year).
Dated on:30.11.2018 -01.12.2018
@Uniq Technology, Coimbatore.

Gokulapriya.E (2nd Year) Dated on:03.12.2018-09.12.2018
@Appin Technology, Coimbatore

Shailesh (2nd Year) Dated on:05.12.2018-11.12.2018
@Igeeks Technology, Bangalore

Pranyga K (3rd Year),Princy.R (3rd Year),Surya B (3rd Year)
Bhuvanesh Kumar R (3rd Year),Rajeshwar D (3rd Year)
Dated on:26.11.2018-30.11.2018
@Pantech Solutions, Coimbatore

Kowsalya K (2nd Year),Abinaya S (2nd Year),
Kirubha P (2nd Year) Dated on:24.11.2018-28.11.2018
@Uniq Technologies, Coimbatore

Staff Activity

Development Programmes

Hands-on Training in "Devops Technologies" for One Credit Course by Mr. Jude king seley, Software Engineer, Duratech Solutions, Coimbatore.
Faculty : Dr.S.Ramakrishnan, Prof. & Head , Mr.N.Praveen Sundra kumar, AP.
Venue : Data Science Lab, MCET, Pollachi.
Date : 13.10.2018.

Hands-on Training in "Graphics using C++" for One Credit Course by Ms.V.Madhumathi,CTS, Coimbatore.
Faculty : Dr.S.Ramakrishnan, Prof. & Head, D.Janani, AP.
Venue : Open source Lab, MCET, Pollachi.
Date : 13.10.2018.

Training on "MVC framework" by adjunct faculty Mr.B.Omprakash, NTT Data, Bangalore.
Faculty : Dr.S.Ramakrishnan, Prof. & Head.
Venue : Cloud Computing Lab, MCET, Pollachi.
Date : 13.10.2018.

Development Programmes

Train The Trainer (TTT) Program on Agile Methodology- Infosys campus connect.
Faculty : Ms.A.G.Priya Varshini, AP/IT.
Venue : Mahendra Engineering College, Thiruchengode.
Date : 22.11.2018 to 24.11.2018.

Workshop on "Data Security in IoT"
Faculty : Dr.S.Ramakrishnan, Prof. & Head,
Dr.M.Balakrishnan, AP(SG)/IT,
Dr.A.B.Arockia Christoper, AP(SG)/IT,
Mr.N.Praveen Sundra kumar, AP.
Venue : Cloud computing Lab, MCET, Pollachi.
Date : 28.12.18 & 29.12.18.

Paper Published

Prediction of Cancer using Customized Fuzzy Rough Machine Learning Approaches.
Title of the Journal : IET Healthcare Technology Letters.
Author : Dr.S.Ramakrishnan, Prof. & Head , C. Arunkumar,Assistant Professor, Amrita Vishwa Vidyapeetham University, Coimbatore, Campus, India.
Date : Oct 2018.

A Survey on Acronym–Expansion Mining Approaches from Text and Web.
Title of the Journal : International Journal of smart innovation systems technologies (Book chapter)- Springer.
Author : R.Menaha, AP(SS)
Date : Oct 2018.

Local Line Directional Neighborhood Pattern for Texture Classification.
Title of the Journal : EURASIP Journal on Image and Video Processing, Springer.
Author : Dr.S.Ramakrishnan, Prof. & Head, S.Nithya, AP(SS)/IT
Date : Nov 2018.

Book Published

Cryptographic and Information Security Approaches for Images and Videos

Faculty : Dr.S.Ramakrishnan, Prof. & Head

Name of the Publisher : CRC Press,

Date : December, 2018.

Research and Development

Details of Paper : Handled the review process of 3 papers for the journal IEEE Access as an Associate Editor.

Reviewed a paper for the IEEE/ACM Transactions on Computational Biology and Bioinformatics published by ACM computing reviews.

Reviewed a paper for the international journal of Current Medical Imaging Reviews- Bentham science publishers.

Handled review process of 3 papers for International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques.

Faculty : Dr.S.Ramakrishnan, Prof. & Head.

Date : Oct 2018.

External – Funded Projects

Title of the Project : Big Data Analytics and its Applications for Healthcare Systems.

Funding Agency : All India Council for Technical Education(AICTE).

Amount : Rs.5,00,000/- (Proposal submitted)

Coordinators : Dr.S.Ramakrishnan,
Dr.A.S.Muthanntha Murugavel,
Dr.A.B.Arockia Christopher,
Mr.N.Praveen Sundra Kumar,
Mr.Dhyneswaran.

Project Duration : 06.05.2019 to 11.05.2019.

Title of the Project : MODROB(Virtualization and IoT Laboratory).

Funding Agency : All India Council for Technical Education(AICTE).

Amount : Rs.20,00,000/- (Proposal submitted)

Coordinators : Dr.S.Ramakrishnan,
Dr.M.Balakrishnan,
Mr. P.Sathiyamoorthi,
Mr.N.Krishnaraj,
Mr.J.Ramprasath.

Online Certifications

NPTEL

Faculty	Course
Dr.S.Ramakrishnan	Blockchain Architecture Design and Use Cases
Dr.A.S.Muthanatha Murugavel	Deep Learning
Dr.A.P.Janani	Software Engineering
R.Menaha	Database Management Systems Introduction to Machine Learning
Mr.N.Praveen sundra kumar	Introduction to IoT
Ms.A.G.Priya Varshini	Introduction to Machine Learning
Ms.D.Janani	Introduction to Machine Learning
Ms.S.Thilagavathi	Introduction to IoT
S.Sasidharan	Cloud Computing
Ms.A.Logeswari	Problem Solving through Programming in C

TI University

Mr.P.Sathiyamurthi	Digital Electronics- Certifying Authority-TI University

Internship

NTT DATA

Infosys®

ZOHO

Examly Inc.,
Bangalore

Srikanth A V R
15BIT028
A.Aparna
15BIT052
Afras Ali S
15BIT094

19.12.2018
To
30.12.2018

ZOHO
Corporation
Pvt. Ltd.,
Chennai

Sairam S
15BIT042
Rajeshvelmani .C.M
15BIT059
Suba Karthikeyan A
15BIT068
Navaneetha Krishnan.M
15BIT034
S.Subiksha
15BIT038

19.12.2018
To
30.12.2018

Karthikselvan N
15BIT017
Kavi Kamachi A
15BIT046
Meenaloshini R
15BIT049
Kanimozhi N
15BIT050

21.12.2018
To
30.12.2018

ViSolve Pvt. Ltd.,
Coimbatore

Sangeetha Priya S
15BIT061
Vignesh.Y
15BIT069
Saranya.A.G
15BIT047

26.12.2018
To
30.12.2018

Caresoft Global Pvt. Ltd., Pollachi	S.Ramalingam 15BIT044 Siva V 15BIT057 M.Gowtham 15BIT029 Mohan Prasath E 15BIT015 G Pradeep 15BIT073 Arunkumar D 15BIT037	19.12.2018 To 30.12.2018
Amphisoft Technologies	Sivanesh Selvan M 15BIT062	03.12.2018 To 31.12.2018
impiger technologies	V Ramya 15BIT019 Gokulrajan R 15BIT087	05.12.2018 To 31.12.2018
ZF	Narayani R 15BIT077 PRIYADARSHINI L 15BIT041	17.12.2018 To 31.12.2018
VERNALIS a division of orion	Abirami S 15BIT066	19.11.2018 To 31.12.2018

Drawing and
Photography

GIRI.M
3rd yr I.T

Nithyashri.S

3rd Year -IT

Divya
2nd yr IT

Nandhini
2nd yr IT

Padmini
2nd yr IT

ARTICLES

BLUE EYES TECHNOLOGY

All human beings have some perceptual capabilities, the ability to understand each other's emotional level or feelings from their facial expressions.Have you ever thou--ght, that the computer can talk with us like we talk with each other?? What if the computer knows all your mood swings? ? What if the computer tells you to calm down when you are angry?? What if the computer tells you to drink water when your are dehydrated ? ? Imagine, a world where the humans collaborate with computers ! ! The computer can talk, listen or screech aloud!!,with the help of speech recognition and facial recognition system computers gathers information from the users and starts interacting with them according to the mood variations. Computer recognizes your emotional levels by a simple touch on the mouse and it can interact with us as an intimate partner. The machine feels presence, verifies your identity and starts interacting with you and even it will dial and call to your home at any urgent situations. This all is happening with this "Blue Eyes" technology.

Blue eyes technology makes a computer to understand and sense human feelings and the behavior and also enables the computer to react according to the sensed emotional levels.

Blue eyes technology consist of,Mobile measuring device or Data Acquisition Unit (DAU), Central System Unit (CSU) and the Hardware. Bluetooth technology is provided for the coordination and communication between the two units. We can adapt this Blue Eyes technology in all working places, where the operator's attention is continually available. Using the Blue eyes Technology it is able to record and monitor the user's physiological condition by a technical approach. The operator's physiological condition is continually supervised by this Blue Eyes technology software. The software will respond in real time according to the operator's physiological condition. This software helps to transfer the data or information from managers to the data analyzers. Then it transfers the processed information from this data analyzers unit to the GUI controls and data analyzers. At last, the data visualization module supports a user supervisor interface section. The visualization module is in the off-line mode and it will continually fetch the information from database and also records the video, audio and physiological parameters. Thus 'Blue Eyes' software enables the supervisor to know about the physiological condition of the operators.The aim of the blue eyes technology is to give human power or abilities to a computer, so that the machine can naturally interact with human beings as we interact with each other.

BLUE EYES TECHNOLOGY

- NITHYA SHRI S
16BIT006

AUGMENTED REALITY

Augmented reality is a view of the real, physical world in which elements are enhanced by computer-generated input. These inputs may range from sound to video, to graphics to GPS overlays and more. The first conception of augmented reality occurred in a novel by Frank L Baum written in 1901 in which a set of electronic glasses mapped data onto people; it was called a "character marker".

Augmented reality can be implemented on their own or in conjunction with each other to create augmented reality. They plays role in hardware,display and medical fields also some high level of technology where used in army to boost up.Various technologies are used in augmented reality rendering, including optical projection system, monitors,handheld devices and display systems worn on the human body.A head-mounted display (HMD) is a display device worn on the forehead, such as a harness or helmet. HMDs place images of both the physical world and virtual objects over the user's field of view. Modern HMDs often employ sensors for six degrees of freedom monitoring that allow the system to align virtual information to the physical world and adjust accordingly with the user's head movements. HMDs can provide VR users with mobile and collaborative experiences.

AUGMENTED REALITY

The future will belong to AR when it improves task efficiency or the quality of the output of an experience for the user. This is the key challenge of the 21st century UX profession.The future will belong to AR when it improves task efficiency or the quality of the output of an experience for the user. This is the key challenge of the 21st century UX profession.Finally we reaches the end of the article not for the technology, AR or augmented reality has gone from pipe dream to reality in just over a century. There are many AR applications in use or under development today, however – the concept will only take off universally when UX designers think about how they can integrate AR with daily life to improve productivity, efficiency or quality of experiences. There is an unlimited potential for AR, the big question is - how will it be unlocked? Who knowns you can also be an AR designer.

-DANUSHREE R M
II IT

ANGULAR AND REACT JS

Angular and React are JavaScript based Frameworks for creating modern web applications. Using React and Angular one can create a highly modular web app. So, we don't need to go through a lot of changes in our code base for adding a new feature. Angular and React also allows us to create a native mobile application with the same JS, CSS & HTML knowledge. Best part – Open source library with highly active community support. Angular is a full framework with all the tooling and best practices designed on top of it. React on the other hand is just a small view library that you would need while making an app.

FEATURES

- Modular
- Speed and performance
- Native app developement
- Open source

- Viswateja N
II IT

MindFreshers

“Winning is the problem
But losing is the formula! So better known the formula before solving the problem.....”

-MATHS IN LIFE

“Between Yesterday’s mistake and
Tomorrow hopes
There lies
a wonderful day
That day
is today So live
for today.....”

- TODAY

“The day important is today
The day of success is today
The day you should forgot is yesterday
The day you should have hope is Tomorrow
That is NEXT DAY ....”

-ANURADHA C
II IT

ENGINEER'S LIFE

"

With holding two pride letters
after her name...
She Says... "it's just comical days"
Someone questioned... Comical?

Yes, I'd engaging idiots...
She replied with wiping her Tears

"

"

If Compiler was an option in our life
Most of our mistakes would be
corrected before the run time...

"

NAME :-MONISHA.B
DEPT :-II-IT

CREDITS

Ms.A.G.Priya Varshini

Magazine Team Members

Mohan.C
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John Ruban.T
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Roshini.P