spark'15

-Enlightens the world


BAPATLA ENGINEERING COLLEGE

Bapatla Engineering College

(Autonomnous)

www.becbapatla.ac.in Phone:08643-224244

Spark 15

Enlightens the world

BAPATLA ENGINEERING COLLEGE
BAPATLA
1981
WORK IS WORSHIP

Department of Information Technology


Successful people always have two things on their lips.
1. Silence
2. Smile
Mark Zuckerberg

CONTENTS

College Profile

Department Profile

President's Message

Principal's Message

HOD's Message

Faculty Details

Photo Gallery

Senior's Advice

Achievements

Techno Spark

Art Gallery

Student Activites

It's fine to celebrate success but it is more important to heed lessons of failure.

Bill Gates

College Profile

The Bapatla Engineering College(Autonomous), one of the seven educational institutions sponsored by the Bapatla Education Society, was established in 1981 with a vision to impart quality technical education . The college offers B.Tech. programmes in 8 faculties of Engineering- Civil, Computer Science, Electronics and Communications, Electrical and Electronics, Electronics and Instrumentation, Mechanical which are twice AICTE-NBA accredited, Chemical Engineering, Information Technology which are accredited once . The college is also accredited by NAAC(National Assessment and Accreditation Council).

The college offers 5 M.Tech programmes in Communication Engineering & Signal Processing, Computer Science, Structures, Power Systems and CAD/CAM. The college also offers 5 P.G Courses in sciences and Masters in Computer Applications .

The only college in India chosen by four world renowned giants to have their centers of research and innovation - Microsoft Innovation Center, Bosch Rexroth Center of Competence in Automation Technologies, Siemens Center of Excellence and Kuka Robotic Technology.These centres are proactive to bridge the gap between industry and academia by imparting value added training programs to students for better exposure to state of the art technologies practiced in industry and enhancing their employability skills.

Department profile

The Department of Information Technology was started in 1999-2000. The department offers B.Tech (Information Technology Program) with an annual intake of 120. The department is equipped with the state of the art computing facilities and experienced staff members and is known for its academic excellence proved by its performances since its inception. The average pass percentage of the department has been 81% and on an average 38% of the students obtain distinction every year, which speaks of the academic fervor in the department.

In collabration with Microsoft the college has established the "Microsoft Innnovation Center (MIC)" to faster the innovative ideas of the students and faculty. Several students and one faculty member of the department developed applications on Windows8 and Windows Phone Platforms and was awarded " Certficate of Achievement" by Guinness World Records.

The department holds the reputation of getting competitive GATE scores every year, and the students got admitted in many Regional Engineering Colleges in M.Tech Program. A good number of students from the department obtained admissions into M.S. Program abroad . Many of the students were placed in reputed organizations like TCS, Wipro, CTS, HCL, Infosys etc in challenging positions.

The faculty members of the department counsel the students on matters such as academic, Career planning, social, psychological and other problems. The faculty, non-teaching staff and students have an attitude to strive for excellence and not to compromise on quality of education. It also encourages students to publish papers in international conferences. Gold medals are instituted by the management in collaboration with donors for students achieving academic excellence.

Laboratory Facilities:

Centrally Air-conditioned and with a plinth area of 12,600 sq.ft., the computer centre is equipped with Six servers (6 Xeon Processor based Servers and 2 Pentium Processor Based Servers) and 130 Nodes (Latest Pentium Core2Duo with TFT LCD Displays) organized in Client/Server architecture with AT & T structured cabling compliance. All The 130 Nodes are distributed among four laboratories, adjacent to each other under one roof, with see-through glass all around and exuding a subdued touch of majestic elegance and optimum utilization in every detail.

Internet and Digital Library connectivity with 40 Mbps Broadband & 2 Mbps Leased Line is available.

A Computer will do what you tell it to do, but that may be much different from wahat you had in mind.

-(Joseph weizenbaum)

MESSAGE FROM THE PRESIDENT

It is a matter of pride to pen down the message for the magazine of Department of Information Technology for their commendable work in the successful completion of their first fully digitalized magazine “SPARK’15”.

The magazine is a platform for the students to express their creative pursuit, which develops originality of thought and perception in them. The contents of the magazine reflect the wonderful creativity of thoughts.

On this momentous occasion I would like to advise the students to put their creative thoughts to develop the skills required by the software industry . I congratulate students who played key role in developing the magazine.

Sri.M.Seshagiri Rao
President of Bapatla Educational Society.

MESSAGE FROM THE PRINCIPAL

Dear students,

It gives me immense pleasure to pen a few words as prologue to in-house magazine SPARK '15 exclusively meant for churning out the latent writing talent which bears immense potentiality as part of your over all personality development. I congratulate all the contributors and the editorial board for bringing out such a beautiful magazine. I appreciate over whelming response and enthusiastic participation of students in the college activates in the recent past all vouch for this. When all the constituents come together and work in unison, the expected results are bound to flow. Keep doing good work.

Wishing you all the best

Prof. Dr. Shashidhar K. Kudari
Principal of Bapatla Engineering College.

MESSAGE FROM THE HOD

I feel proud of my students for their innovative way of bringing an Eco friendly department magazine without spending a single pie. I appreciate the efforts of the magazine design and development team. I congratulate all the faculty and student achievers in various domains and advise other members of the department to draw inspiration from the achievers.

I express my gratitude towards the management for their determination in enhancing the quality of education in the college. I urge the students and the faculty members of the department to thoroughly utilize the infrastructure facilities available in the college for the development of the department and the college.

I hope there will be more number of achievements and technical articles in the upcoming editions of the magazine. I wish all the outgoing students a bright career.

N.Sivaram Prasad

HOD of Information Technology.

The most technologically efficient machine that man has ever invented is the book.

– NORTHROP FRYE –

FACULTY DETAILS

“If people are not laughing at your goals, your goals are too small.”

- Azim Premji

K.Srinivasa Rao
Ph.D
Asst.Professor

P.A.V.Krishna Rao
M.Tech
Asst.Professor

G.Prasad
M.Tech
Asst.Professor

K.Bhaskara Rao
M.Tech
Asst.Professor

B.Krishnaiah

M.E

Asst.Professor

M.Praveen Kumar

M.Tech

Asst.Professor

N.Srinivas Rao

M.Tech

Asst.Professor

K.Sai Prasanth

M.Tech

Asst.Professor

P.Ratna Prakash
M.Tech
Asst.Professor

P.Ravi Kumar
M.Tech
Asst.Professor

K.Ravi Teja
M.Tech
Asst.Professor

P.Srinivasa Rao
M.Tech
Asst.Professor

K.Suresh Kumar
M.Tech
Asst.Professor

D.Siva Phanendra
M.Tech
Asst.Professor

D.Sirisha
M.Tech
Asst.Professor

D.Vamsi Krishna
M.Tech
Asst.Professor

Sk.Subedar
B.Com
Record Asst.

Outgoing Batch

(2011-2015)

T.Bhargav

Y9AIT495

bhagipranu@gmail.com

A.Bala Tripura Sundari

Y11AIT401

akurati544@gmail.com

K.Satish

Y10AIT461

satishkorivi444@gmail.com

A.Gita Pavani

Y11AIT403

geetaannadasu@gmail.com

A.V.Priyanka

Y11AIT402

ande.venkatapriyanka@gmail.com

A.N.V.Sandeep

Y11AIT405

atmalasandeep@gmail.com

A.Amarnath

Y11AIT404

arikatiamarnath@gmail.com

B.Manikiran

Y11AIT409

manikiran.bodepudi@gmail.com

B.Ravi Teja

Y11AIT406

ravi.sunlight@gmail.com

B.N.V. Rajesh Kumar

Y11AIT410

rajesh.bnv@gmail.com

B.Manikanta

Y11AIT411

bontagarla.manikanta10@gmail.com

C.Jaya Sai Kiran

Y11AIT413

saikiranchandu992@gmail.com

B.Chakri Govindarajulu

Y11AIT412

govind.chakri@gmail.com

CH.Phani Sri

Y11AIT416

phanisri.chintalapudi@gmail.com

CH.Vishnu Priya

Y11AIT414

vishnu.chowdary19@gmail.com

CH.V.Mythili

Y11AIT418

venakatamythili20@gmail.com

C.Jaya Bharath

Y11AIT417

jayabharath54@gmail.com

D.Manasa

Y11AIT422

manasa.dasari060@gmail.com

D.Swapna

Y11AIT420

swapnadarsi2k12@gmail.com

D.Neeraja

Y11AIT423

devarakondaneeraja@gmail.com

E.Divya Kanthi

Y11AIT426

divyakanthi8@gmail.com

G.Anjalidevi

Y11AIT428

anjalidevi5134@gmail.com

E.Anil

Y11AIT427

anileluri789388@gmail.com

G.Harish Kumar

Y11AIT435

gumpenaharishkumar@gmail.com

G.Sri Harsha

Y11AIT429

gajula.sriharsha@gmail.com

G.Manikanta

Y11AIT437

mani.gutta0792@gmail.com

G.Lakshmi Thirupathamma

Y11AIT436

lakshmitg93@gmail.com

J.Ravi Chandu

Y11AIT440

ravichandua328@gmail.com

I.Tejaswi

Y11AIT439

tejaswi.isukapalli@gmail.com

J.Hari Babu

Y11AIT441

jalasutramharibabu7@gmail.com

K.Gopinath

L11AIT526

Kondapaturi.gopinath16@gmail.com

Ch.Venkateswara Rao

L12AIT523

Venki113@gmail.com

B.Siva Prasad

L11AIT521

Becsiva008@gmail.com

K.Anand Kumar

L12AIT525

anandkumar970@gmail.com

G.Keerthi Kumar

L12AIT524

thriyam1092@gmail.com

M.Venkatesh

L12AIT528

madhamanchi181293@outlook.com

K.Bhargav

L12AIT527

bhargavkosaraju212@gmail.com

N.Siva prasanna Kumar

L12AIT530

siva.nasika90@gmail.com

M.Akash

L12AIT529

muttineni.akash@gmail.com

Y.Satish Kumar Reddy

L12AIT531

ysatishkumarreddy@gmail.com

K.Janardhan

Y11AIT446

kamineni.janardhan@gmail.com

K.Harika Nagaraja

Y11AIT450

kolluriharika@gmail.com

K.R.L.Sindhura

Y11AIT448

sindukankatala@gmail.com

K.Kusuma Kavya

Y11AIT447

kavya.kusuma4@gmail.com

M.Ratna Sravya

Y11AIT459

sravyasoftwareengineer@gmail.com

M.Siri Rekha Padmini

Y11AIT456

sirirekha.m@gmail.com

K.V.Divya Tejaswini

Y11AIT452

divyatejaswi.kota@gmail.com

M.Anusha

Y11AIT467

anushaaa456@gmail.com

M.Lakshmi Harika

Y11AIT457

maddu.lharika@gmail.com

M.Sandeepa

Y11AIT460

maddula.sandeepa@gmail.com

M.Sri Ramya

Y11AIT462

sriramya.manam@gmail.com

M.Sravya

Y11AIT464

ravyamedarametta12@gmail.com

M.Anuradha

Y11AIT465

anuradha8724@gmail.com

M.Dhanya

Y11AIT466

dhanya.moparthi9@gmail.com

M.Neeraja

Y11AIT470

neeraja.murikipudi@gmail.com

T.N.J.V.R.Anusha

Y11AIT500

anusha16.tulabandula@gmail.com

S.Nireekshna

Y11AIT493

sodabathuni@gmail.com

B.Ravi Babu

L12AIT522

ravi9949431270@gmail.com

K.V.Kalyani

Y11AIT507

kalyaniket@gmail.com

Ch.Krishnaja

Y11AIT454

krishnajach8@gmail.com

K.Ramesh

L12AIT526

ramesh526.kornu@gmail.com

G.Harsha Vardhan Reddy

Y11AIT431

harsha.goda@gmail.com

D.Sudheer

Y10AIT429

degala.sudheer3939@gmail.com

G.Suresh Babu

Y11AIT433

sureshbabugopisetty337@gmail.com

K.Siva Sai Kiran

Y11AIT453

kotrakiran786@gmail.com

K.Venkateswara Rao

Y11AIT444

kallaguntavenkatesh@gmail.com

B.Bhagya Lakshmi

Y11AIT407

bhargavib11@gmail.com

K.Murali Krishna

Y11AIT449

muralikrishna0030@gmail.com

D.Vamsi

Y11AIT419

darivemulavamsi@gmail.com

K.Venkat Rao

Y11AIT451

kosurivenkat76@gmail.com

P.Yateendhra Varma

Y11AIT478

yateendhra.varma77@gmail.com

P.Siva Prasad

Y11AIT479

Sivaprasadpapasani@gmail.com

P.Vidullatha

Y11AIT480

vijju.roxx@gmail.com

P.BalaramKrishnaMurthy

Y11AIT482

patchavabalaram@gmail.com

P.Durga Chaitanya

Y11AIT481

pasamchaitanya@gmail.com

P.Ravindra Reddy

Y11AIT485

Pulusuravi@gmail.com

P.Sri Lakshmi

Y11AIT483

srilakshmi.poosarls@yahoo.com

R.Syam

Y11AIT486

syam.rockson@gmail.com

P.Venkata Ramana

Y11AIT484

venkataramana.pullelugula@gmail.com

R.Akhilojwala

Y11AIT487

ravela13.akhila@gmail.com

M.Mahesh

Y11AIT458

maheshmaddumahesh@gmail.com

M.Hari Krishna

Y11AIT468

harimorri22@gmail.com

M.Venkateswarulu

Y11AIT461

magamvenkateswarlu@gmail.com

N.N.V.S.S.Sri Harsha

Y11AIT471

nsriharsha15@gmail.com

M.Vijaya Lakshmi

Y11AIT469

muppaneni.vijayalakshmi@gmail.com

N.Nainika

Y11AIT473

nainika.nandam@gmail.com

N.Harish Varma

Y11AIT472

harishvarma14@gmail.com

N.Rajitha

Y11AIT475

rajithanasika12@gmail.com

N.Mounika

Y11AIT474

mounika.nangineni@gmail.com

N.Leela Ram

Y11AIT477

leelaramn67@gmail.com

T.Krishna Himaja

Y11AIT499

krishnahimaja94@gmail.com

T.Sneha

Y11AIT501

snehashekhar77@gmail.com

V.N.V.Sai Karthik

Y11AIT503

VNVSKARTHIK@gmail.com

V.Sai Supreetha

Y11AIT505

Supreetha109@yahoo.com

V.Gowtham

Y11AIT509

gowtham8977440145@gmail.com

U.Siva Naga Lakshmi

Y11AIT502

nagalakshmiummaneni@gmail.com

V.S.S.K.Anand

Y11AIT504

anand.fun30@hotmail.com

V.Sonia

Y11AIT506

Vemulasonia@gmail.com

Y.Sai Ram

Y11AIT511

yarrasairam94@gmail.com

M.Syam Prasad

Y10AIT468

syam333chowdary@gmail.com

Sk.Abdul Jani Basha

Y11AIT488

skjanibai@gmail.com

Sk.Benazir Butto

Y11AIT490

buttobenz@gmail.com

S.Vali Karthik

Y11AIT492

svkarthik652@gmail.com

Sk.Asha Sultana

Y11AIT489

ashasultana666@gmail.com

Sk.Luqmane Haqeem

Y11AIT491

shaikluqmanehaqeem333@gmail.com

T.Chittaranjan

Y11AIT495

ranjan.tadivaka@gmail.com

K.Sreenivas Naik

Y11AIT494

losree2112@gmail.com

T.Mallikharjuna Rao

Y11AIT497

mallikharjunaraothanneeru@gmail.com

T.Pandu Ranga Rao

Y11AIT496

pandutammana@gmail.com

T.Siva Sowmya

Y11AIT498

thotakura.sivasowmya@gmail.com

3rd year Batch

(2012-2016)

A.Madhuri
Y12AIT401

A.Tharun Kumar
Y12AIT402

A.Vamsi Manikanta
Y12AIT403

A.RamMohan Reddy
Y12AIT404

A.Sravani
Y12AIT405

B.Praveena
Y12AIT406

B.Avinash
Y12AIT407

B.Madhuri
Y12AIT408

B.Koteswara Rao
Y12AIT409

B.Lakshmi Prasanna
Y12AIT410

B.Ujvala Priyanka
Y12AIT411

Ch.Tilak
Y12AIT412

Ch. Prudhvi Teja
Y12AIT414

Ch.Lavanya
Y12AIT415

Ch.Srinivas
Y12AIT416

Ch.Devaki
Y12AIT417

Ch.Sai Mani Sankar
Y12AIT418

D.Jhansi
Y12AIT419

D. Jyothsna Devi
Y12AIT420

D.Sudha Rani
Y12AIT421

D.Sateesh
Y12AIT423

D.Glory Geetha
Y12AIT424

E.Lohitha Ratna
Y12AIT425

G.Banu
Y12AIT429

G.Gopala Krishna
Y12AIT430

G.Krishna Kowshik
Y12AIT431

G.Srikanth
Y12AIT433

G.Sushma
Y12AIT434

G.Sowjanya
Y12AIT435

G.Muralidhar
Y12AIT436

G.Uma Shankar
Y12AITt437

J.Srinivasa Rao
Y12AIT439

J.Rajya Lakshmi
Y12AIT441

K.Narasimha Rao
Y12AIT442

K.Anusha
Y12AIT444

K.Satish
Y12AIT447

K.V.M..L.Sushmitha
Y12AIT448

K.V. V.Tejaswini
Y12AIT450

K.V. PradeepChandra
Y12AIT523

K.V.S.S.Chandrika
Y12AIT454

K.Anusha
Y12AIT455

K.Sai Krishna
Y12AIT456

K.Sri Lekha
Y12AIT457

K.Venkara siva Kumar
Y12AIT458

K.Sai Saranya
Y12AIT459

K.Pavani
Y12AIT460

M.Chandra Sekhar
Y12AIT461

M.Bhargava Sri
Y12AIT462

M.Bhavana Lakshmi
Y12AIT463

M.Anitha
Y12AIT464

M.Suchitra
Y12AIT465

M.Sadananda Rao
Y12AIT466

M.Akhil
Y12AIT467

M.S N Girija
Y12AIT468

N.Ramesh
Y12AIT471

N.Ravi Teja
Y12AIT472

N.Pavani
Y12AIT473

N.Venkata Lakshmi
Y12AIT474

P.B.P. Rani
Y12AIT479

P.Naga Raju
Y12AIT480

P.Veerendra Babu
Y12AIT481

P.Sreenivas
Y12AIT482

P.Bhargav Yadav
Y12AIT483

P.Lavanya
Y12AIT484

P.Srija
Y12AIT485

P.Ashok Kumar
Y12AIT486

P.Rakesh
Y12AIT487

P.Mahesh Babu
Y12AIT488

S.Hari Kishan Reddy
Y12AIT491

Sk.Ameenulla
Y12AIT492

Sk.Rameeja
Y12AIT493

Sk.Shabeena
Y12AIT494

Sk.Sharmila
Y12AIT495

Sk.Thaha
Y12AIT496

S.Susmitha
Y12AIT498

Sneha.P
Y12AIT499

T.V.S.N.A.Likitha
Y12AIT500

T.Soundarya
Y12AIT501

T.Priyanka
Y12AIT503

T.Nikitha
Y12AIT504

T.S.V.V.S.K.Sumanjali
Y12AIT506

U.Krishna
Y12AIT507

U.Divakar Babu
Y12AIT508

Y.Venkata Vamsidhar
Y12AIT512

Y.Naveen
Y12AIT513

“The difference between winning and loosing is most aften not quitting.”

-Walt Disney

2nd year Batch

(2013-2017)

A.B.Sultana
Y13AIT402

A.Susritha
Y13AIT404

B.Ramya
Y13AIT405

B.KavyaSri
Y12AIT406

B.Bhuvaneswari
Y13AIT409

C.RamyaPhani
Y13AIT411

C.SaiMounika
Y13AIT412

C.Priyanka
Y13AIT413

C.Lakshmi Pravalika
Y13AIT414

C.RevathiLakshmi
Y13AIT415

G.HemaSandhya
Y13AIT419

G.Vineela
Y13AIT421

G.Venkata Rgeswari
Y13AIT422

I.Yogeswari
Y13AIT424

I.SindhuPriya
Y13AIT425

J.Manjusha
Y13AIT428

K.DemonikaAnand
Y13AIT430

K.Jyothirmai
Y13AIT433

K.LakshmiAmaruthaa
Y13AIT434

K.Lavanya
Y13AIT436

K.Sasirekha
Y13AIT438

K.MohaniAlekya
Y13AIT439

K.Pavani
Y13AIT440

K.VenkataNiharika
Y13AIT444

M.Tejasree
Y13AIT450

N.NagaDurgaPravalika
Y13AIT452

N.BhavyaSree
Y13AIT453

N.Sucharitha
Y13AIT455

P.Tejaswi
Y13AIT458

P.VenkataNagaSwathi
Y13AIT459

P.VaraLakshmi
Y13AIT460

P.SriLakshmi
Y13AIT463

P.Bhavitha
Y13AIT465

P.VenkataNagaSriPriya
Y13AIT466

P.VenkataSaiNIharika
Y13AIT467

S.Kavitha
Y13AIT473

S.NagaVenkataMounika
Y13AIT476

T.Likhitha
Y13AIT477

V.Vyshnavi
Y13AIT483

Y.Vijaya Durga
Y13AIT486

V.Indraja
Y13AIT484

A.ChandraSekhar
Y13AIT403

B.PurnachandraRao
Y13AIT405

B.RaviTeja
Y13AIT408

C.Narayana
Y13AIT410

D.Deepak
Y13AIT416

D.VenkatSaiRam
Y13AIT417

G.PrasannaKumarReddy
Y13AIT418

G.NagaVenkatesh
Y13AIT420

P.DineshPhaniKumar
Y13AIT470

I.SrinivasaReddy
Y13AIT426

J.JagadeshReddy
Y13AIT427

J.Chiranjeevi
Y13AIT429

K.HarshaVardhanReddy
Y13AIT432

K.Suresh
Y13AIT435

K.LakshmiNataReddy
Y13AIT437

K.Harish
Y13AIT441

K.PrasanthKumar
Y13AIT442

K.PavanKumar
Y13AIT443

K.Vishnu
Y13AIT445

N.LokeshBabu
Y13AIT451

M.Harikanth
Y13AIT447

M.SambasivaRao
Y13AIT448

M.V.N.BharatKumar
Y13AIT449

P.PraneethKumar
Y13AIT461

P.SrinivasVarma
Y13AIT462

P.SunilKumar
Y13AIT464

P.Karunakar
Y13AIT469

P.VenkatManindra
Y13AIT471

R.SaiTeja
Y13AIT472

SK.KhasimVali
Y13AIT474

T.TagunKumar
Y13AIT478

U.Sreekanth
Y13AIT481

U.Nathaneel
Y13AIT482

V.SaiKrishna
Y13AIT485

V.Venkatesh
Y13AIT487

1st year Batch

(2014-2018)

VEMA DEEPAK
Y14AIT504

V.KALYAN
Y14AIT505

YASODA NIKVITHA
Y14AIT506

V.SREEKAR
Y14AIT500

T.MANJUSHA
Y14AIT497

M.L.POOJITHA
Y14AIT461

V.ADIVISHNU
Y13AIT457

A. BHASKAR
Y14AIT401

A.S.MOUNIKA
Y14AIT402

A.G.NAGA RANI
Y14AIT403

A.SRIJA
Y14AIT405

A.V.SAI CHAITANYA
Y14AIT406

A.C.SUSHMA
Y14AIT407

B.SRINIVAS
Y14AIT408

B.S.BHARATHI
Y14AIT409

B.HARI PRASAD
Y14AIT410

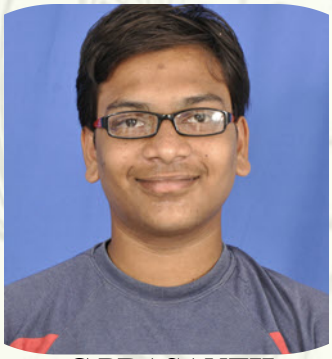
B.DHARMA TEJA
Y14AIT411

B.SREEDHAR
Y14AIT412

B.LAKSHMI KARTHIKA
Y14AIT413

B.H.V.N.SAICHARAN
Y14AIT414

B.KUSUMA
Y14AIT415



C.PRASANTH
Y14AIT416

D.SAI PRANEETH
Y14AIT417

D. V. N. SAHITHI
Y14AIT418

D.PRAVEEN KUMAR
Y14AIT419

D.CHARAN
Y14AIT421

D.TEJASWINI
Y14AIT422

D.LAVANYA
Y14AIT423

D.SUPRIYA
Y14AIT424

D.SRILAKSHMI
Y14AIT425

G.NAVYA
Y14AIT426

G.S MANIKANTA
Y14AIT427

G.RAJESH
Y14AIT428

G.BHASKAR
Y14AIT429

G.REVATHI
Y14AIT430

G.AMARESH
Y14AIT431

G.RAMYA
Y14AIT432

G.SOWJANYA
Y14AIT433

J.DEVI SRI
Y14AIT435

J.NITHIN REDDY
Y14AIT436

J.VASAVI
Y14AIT437

K. NAGA PURNIMA
Y14AIT438

KA.D.M.SWAMY
Y14AIT439

K. MANIKANTA
Y14AIT440

K.SUJITH
Y14AIT441

K.S.N.SAI LAKSHMI
Y14AIT442

K.SARATH KUMAR
Y14AIT443

K.GANAPATHI
Y14AIT444

K.POOJITHA
Y14AIT445

K.MANASA
Y14AIT446

K.PRAKASH RAJ
Y14AIT447

K.GOPI
Y14AIT448

K.SRINIVAS
Y14AIT449

K.RAMYA SMITHA
Y14AIT451

K.SRILEKHA
Y14AIT452

K.L.GAYATRI
Y14AIT453

K.SRUTHI
Y14AIT454

K.HARIKA KARUMURI
Y14AIT455

L.PRAVALLIKA
Y14AIT456

M.AMALA
Y14AIT457

M.NAGARAJU
Y14AIT458

M.ANJALI
Y14AIT459

M.AKHILA
Y14AIT460

M.N.SUSMITHA
Y14AIT462

N.BHASWANTH
Y14AIT463

N.BHARGAV
Y14AIT464

N.SAI PRIYA
Y14AIT465

N.Y.KALYAN
Y14AIT466

N. PADMAVATHI
Y14AIT467

N.BHANU SRI
Y14AIT468

N.KUMAR VAMSI
Y14AIT469

P.P.SARADHI
Y14AIT470

P.VAMSI
Y14AIT471

P.CHIRANJEEVI
Y14AIT472

P.SIVA DURGA
Y14AIT473

P.RAVINDRA BABU
Y14AIT474

P.BIBI ASHA
Y14AIT475

P.CHANDRA SHKAR
Y14AIT476

P.RAVI KUMAR
Y14AIT477

P.RUPANJANI DEVI
Y14AIT478

P.P.CHANDRA GUPTA
Y14AIT479

P.BHANU
Y14AIT480

P.CHAITANYA
Y14AIT481

P.SRAVANI
Y14AIT482

P.MOHAN ANAND
Y14AIT483

R.SAI SANDEEP
Y14AIT484

R.SAILAKSHMI
Y14AIT485

R. SHANMUKHA
Y14AIT486

R.BALAKRISHNA
Y14AIT487

R.ARUN GOPI
Y14AIT488

G.KOTESWAR RAO
Y14AIT489

S.DURGA RAO
Y14AIT490

S.KISHORE KUMAR
Y14AIT491

S.RIZWANA BEGUM
Y14AIT492

S.SHARUKH
Y14AIT493

SHARABU UAMSI
Y14AIT494

S.BHARATH
Y14AIT495

D.DILEEP
Y14AIT497

T. SOWJANYA
Y14AIT498

T.NAVYASRI
Y14AIT499

T.DIVYA SREE
Y14AIT501

U.ANJALI
Y14AIT502

V.VARSHITA
Y14AIT503

SENIOR'S ADVICE

SPARK '15

Hello Team,

First of all let me convey my heartfelt thanks for approaching me to write down a message for the magazine. I'm indeed greatly touched by this gesture of yours.

Greetings Everyone!!

It feels extremely good to be interacting with all of you via this magazine "Spark'15". My joy is even doubled further as I was involved in bringing out the magazine during my stay in our college.

I would like to take this opportunity to tell all of you that the four years that you get to spend in an engineering college are extremely crucial in shaping you as an individual, so do pay proper attention to equipping yourself with the right skill-sets so that you might excel in any path that you choose to pursue. Also, I would request you not to get bogged down by telling yourself that by being from a small place like Bapatla . If there is any smallness it is in your mind and nowhere else, a person with access to the internet is as good as anybody else from anywhere else on this planet. Do use technology to your advantage and use it to increase your knowledge base, as a little bit of extra knowledge always comes in handy no matter wherever you are.

Make friends, have fun learning both inside & outside the classroom, participate in co-curricular events and make the most of your four years here!!

After all you do your engineering only once in your lifetime and its important you do IT Right!!!

Good Luck!!!"

By

D. Neeraja

4/4-IT

Hello dear Juniors,

Hope these words will let you know how to plan your career in corporate world.

I am now working in TCS, Hyderabad. After joining the corporate, I came to know so many things which we will not come to experience during our college days. The world out there is really tough. Being a Botch graduate from the field of computers, every one of us is expected to have good programming skills which many of us neglect. We completely focus on the theory, concepts and the marks we attain. But when we enter the corporate world, they expect you to develop code for the real-world problems, for which we will strain ourselves a lot.

If you want a beautiful career, you have to plan it during your studies. Learn the concepts and their application as well thoroughly. Prepare every subject more in terms of application and not just for grades. I do not deny the fact that your academic scores will fetch you good rewards but the practical knowledge and the coding capacity will give you a lot of scope to grow in the corporate arena. For that, you can start developing code on your own for small logical problems and prepare the concepts in the point of view of GATE exam. This will help you think more logically and analytically in solving real world problems.

You all must be aware of the movie 300 where in a small team of 300 spartans with their marshal skills and abilities fought and won the battle against a massive army of evil who are just dependent on the numbers rather than their skills. Corporate world is also a battle field where in a person with excellent technical and non-technical abilities will be rewarded a lot when compared to a mob of people with just theoretical knowledge. So please concentrate on your non-technical skills like communication skills and social skills as much as your technical aspects.

If any one of you desire to go into managerial field, it would be very good to do so after a few years of the real-world working experience. That will help you get deep insight into the business and will let you deal with the challenges with ease. It does not mean that you can't do your MBA. You can also do that, provided you have a correct plan for your career well in advance.

My sincere advice to you all, learn the concepts more on application basis and be a true software engineer.

By
Vasundara

Don’t let your past dictate who you are , but let it be a lesson that strengthens the person you will become.

ACHIEVEMENTS

Faculty's Achievements

Prof. N SIVARAM PRASAD

Type	Details	Title
Workshop	22-09-2013 to 24-09- 2013 Microsoft IT India at Bapatla Engineering College, Bapatla	Faculty Development Program on Windows 8
Workshop	11-07-2014 to 12-07-2014	Preparation of SSR for NAAC Accreditation
Subspace Clustering Of Text Documents Using Collection and Document Frequencies of Terms.	08-2014 Published in IRECOS	International Journal

K SRINIVASA RAO

Type	Details	Title
Publication	International Journal	Analysis of Critical Success Factor on Total Quality Management
Workshop	22-09-2013 to 24-09-2013, Microsoft IT India at Bapatla Engineering College, Bapatla	Faculty Development Program on Windows 8
Workshop	3-10- 2013 to 7-10- 2013, Dept. of CSE, NIT, Warangal	5 Day Continuing Education Programme (C2 CEP) on Advanced Wireless and Mobile Network Technologies (under TEQIP-II)

Achievements

spark '15

P A V KRISHNA RAO

Type	Details	Title
Workshop	22-09-2013 to 24th Sep.2013, Microsoft IT India at Bapatla Engineering College, Bapatla	Faculty Development Program on Windows 8

K BHASKAR RAO

Type	Details	Title
Workshop	22-09-2013 to 24-09- 2013, Microsoft IT India at Bapatla Engineering College, Bapatla	Faculty Development Program on Windows 8
Workshop	13-09-2013 to 15-09- 2013, Microsoft IT India at Bapatla Engineering College, Bapatla	Microsoft Students to Business - Windows Phone Workshop

N SRINIVASA RAO

Type	Details	Title
Workshop	22-09-2013 to 24-09-2013, Microsoft IT India at Bapatla Engineering College, Bapatla	Faculty Development Program on Windows 8
Seminar	26-06-2014 to 28-06-2014	Orientation Program in Under Graduate Courses

Achievements

spark '15

B KRISHNAIAH

Type	Details	Title
Workshop	22-09-2013 to 24-09-2013, Dept. of CSE, NIT, Warangal	5Day Continuing Education Programme (CEP) on Advanced Wireless and Mobile Network Technologies (under TEQIP-II)
Seminar	26-06-2014 to 28-06-2014	Orientation program in Under Graduate Courses
Workshop	21-05-2013 to 31-05-2013 , Narayana Enggineering College, Nellore.	Two week ISTE Workshop on Database Management Systems under National Mission on Education through ICT (MHRD, Govt.of India).

P RAVI KUMAR K SAI PRASANTH

Type	Details	Title
Workshop	22-09-2013 to 24-09-2013, Microsoft IT India at Bapatla Engineering College, Bapatla	Faculty Development Program on Windows 8

Type	Details	Title
Workshop	18-12-2014to 19-12-2014	Workshop on Advances in Web mining and BigData

Achievements

spark '15

K SURESH KUMAR

Type	Details	Title
Workshop	22-09-2013 to 24-9-2013, Microsoft IT India at Bapatla Engineering College, Bapatla	Faculty Development Program on Windows 8

K RAVI TEJ

Type	Details	Title
Workshop	22-09-2013 to 24-09-2013, Microsoft IT India at Bapatla Engineering College, Bapatla	Faculty Development Program on Windows 8

M SIRISHA

Type	Details	Title
Workshop	22-09-2013 to 24-09-2013, Microsoft IT India at Bapatla Engineering College, Bapatla	Faculty Development Program on Windows 8

P SRINIVASA RAO

Type	Details	Title
Workshop	25-07-2012, Dept.Of Computer Applications, Rajalakshmi Engg. College, Thandalam, Chennai.	Faculty Development Programme on Security Practices in IT

PLACEMENTS 2014-15

Student's Achievements

Name	Company
Sai Supreetha Varanasi	TCS
Sirirekhapadmini Maddi	TCS
Lakshmiharika Maddu	TCS
Venkata Kalyani	TCS
Srilakshmi Poosarla	TCS
Pandurangarao Tammananv	TCS
Jayasaikiran Chandu	TCS
Sivasaikiran Kotra	TCS
Chakri Govinda Rajulu	VIRTUSA
A V Priyanka	VIRTUSA
Jayasaikiran Chandu	OPEN TEXT
Sai Supreetha Varanasi	AVISO
Dhanya	IBM
Neeraja Devarakonda	IBM
Divyatejaswini Kota	TECH MAHINDRA
Krishna Himaja T	APPSASSOCIATE
Harish G	XPORT TECHNOLOGIES

COMPETITIVE EXAMS

Exam Name	Qualifier's Name	Result
GRE	V.S.S.K.Anand	305/340
	Sai Supreetha	321/340
	Akhilojwala	289/340
	Chari Govinda rajulu	289/340
TOEFL	Sai Srinivasa Krishna Anand Varanasi	92/120
	Sai Supreetha	108/120

COMPETITIVE EXAMS

Exam Name	Qualifier's Name	All India Rank
GATE	Chandu Jaya Sai Kiran	2578
	Sai Supreetha Varanasi	7836
	Kotra Siva Sai Kiran	9485
	Poosarla Srilakshmi	14209
	Venkata Kalyani K	14209

CERTIFICATIONS

Name of the Student	Name of the Certification	Area	Details
Vamsi Achutha, N.Pavani, Ameenulla,Tilak srinu,Srikanth G, Sneha Sharma, Sk.Sharmila,Srija, Sk.Shabeena, S.Susmitha, K.Sai Saranya.	Microsoft Virtual Academy Certificate of Completion	HTML5 App Development Fundamentals	Online 18-08-2014
Vamsi Achutha, Parisa NagaRaju, Ch.PrudhviTeja, Tilak srinu, Sai Krishna, Srilekha, k.Sai Saranya.	Microsoft Virtual Academy Certificate of Completion	Microsoft Azure IAAS Deep Dive	Online 21-08-2014
Vamsi Achutha, Parisa NagaRaju, N.PavaniSrikanth G, Sk. Sharmila, S.Susmitha, T.Soundarya, P.Rakesh.	Microsoft Virtual Academy Certificate of Completion	Building Apps For Windows Phone 8	Online 11-07-2014
Parisa NagaRaju, DaggupatiJhansi, Ameenulla, Sneha Sharma, Sk.Sharmila,Srija, Sk.Shabeena, Sushmitha k, T.Soundarya, P.Rakesh,T.likitha.	Microsoft Virtual Academy Certificate of Completion	Introduction to Private,Hybrid and Public Cloud	Online 26-08-2014
Daggupati Jhansi, Ch.Prudhvi Teja, Ravindra Reddy, N.Harish Varma, Sneha Sharma, Srilekha.	Microsoft Virtual Academy Certificate of Completion	Windows Phone 8.1 Development for Absolute beginners	Online 11-07-2014

SPORTS & CULTURALS

Name of the Participant	Name of the Sport	Prize	Date & Venue
P.V.N.Swathi	4X100 Relay	III	A.P.Athletics Coachs Association 05-11-2014 to 06-11-2014,Indira Gandhi Municipal Stadium,Vijawada
P.V.N.Swathi	Shot Put	III	A.P.Athletics Coachs Association 05-11-2014 to 06-11-2014,Indira Gandhi Municipal Stadium,Vijawada
G.V.Rajeswari	Shot Put	I	Athletics Association Of Guntur District, 1-11-2014 to 2-11-2014
G.V.Rajeswari	4X100 Relay	III	A.P.Athletics Coachs Association 5-11-2014 to 6-11-2014,Indira Gandhi Municipal Stadium,Vijawada
P.V.N.Swathi	Shot Put	II	Athletics Association Of Guntur District, 1-11-2014 to 2-11-2014
G.V.Rajeswari	Shot Put	I	Athletics Association Of Guntur District, 1-11-2014 to 2-11-2014
G.V.Rajeswari	Shot Put	II	A.P.Athletics Coachs Association 05-11-2014 to 06-11-2014,Indira Gandhi Municipal Stadium,Vijawada

APP RATINGS

Publisher name	App name	Ratings
R.Akhilojwala	Guess that flag	Silver
M.Vijayalakshmi	Guess that flag	Silver
K.Kusuma Kavya	Word Web	Silver
K.R.L.Sindhura	Word Web	Silver
B.Manikiran	Environmental Awareness	Silver
G.Manikanta	Spot the color	Silver
Ch.J.Saikiran	Spot the color	Silver
R.Syam	kick the ball	Silver
T.Chittaranjan	kick the ball	Silver
B.Adi Seshu	My brain teasers	Silver
R Harsha vardhan reddy	My brain teasers	Silver
V Sai Supreetha	Google Hacking	Silver
V.Sai Srinivasa Krishna Anand	Google Hacking	Silver

Top Downloaded Apps

Publisher Name	App Name	No of Downloads
M.Lakshmi Harika	Diet and Weight Control	3293
D.Neeraja	Diet and Weight Control	3293
K.Harika	Indian Constitutions	3255
A.Bala Tripura Sundari	Indian Constitutions	3255
V.Sai Srinivasa Krishna Anand	Google Hacking	1371
V Sai Supreetha	Google Hacking	1371
T.Chittaranjan	Kick the ball	1200
R.Syam	Kick the ball	1200
G.Manikanta	Wonders of world	1128
G.Harish Kumar	Wonders of world	1128
N.Mounika	Nutrients	960
B.Bhagyalakshmi	Nutrients	960
T.N.J.V.R.Anusha	Care Your Hair	848
K.V.Divya Tejaswini	Care Your Hair	848

TECHNO SPARK

INFORMATION TECHNOLOGY

Humanoids

Science fiction novels and movies portrayed machines that have human intelligence. They have all the emotions of a human being and (of course,appearance is also similar),often bad in character. We call them 'Humanoids'.

Now leave this fantasy aside, two major questions linger at:

- Ø Are humanoids possible?
- Ø If possible,are they dangerous?

Let's answer these questions one by one:

Humanoids possible (or) not:

First of all, to be a human, there is a need of halting a brain like human. Our brain is a network of 100 billion neurons together performing trillions of operations per second. Today's computer works in a different way. It has a memory unit made of flip-flops, a separate processing unit which is just a silicon chip. We need to simulate the functions of our neural network with this computer. But there are problems in doing this.

The first one is, we know very little about the functioning of human brain. In fact, the most complex and less explored thing in the universe is the 20 pound matter sitting on our shoulders i.e. our brain.

The second one is, even if we know the complete functionality of our brain, it is practically highly difficult to simulate with the present day computers. For example, if you would like to build a computer that functions like our brain, it should be of the size of a city and needs a nuclear power plant to supply electricity.

There are solutions to the problems mentioned above. There is a project named "Brain Initiative" sponsored by the government of America. Like Human Genome project which maps the genes of entire humanity, the 'Brain Initiative' project is endeavoured to map all the neurons in our brain. This will give us a much better understanding of the brain.

For the second problem, scientists are working on post-silicon technology. Today's computers use silicon technology for the fabrication of processor, memory etc., According to Moore's law, the power of computer doubles every eighteen months. This has happened precisely till now. But by the end of 2020, the age of silicon revolution may come to an end. For the Moore's law to survive, there is an immediate need to invent 'post –silicon technology' with the outcome of 'Brain Initiative' project and invention of 'post-silicon' technology, there is a high probability of designing a humanoid.

Dangerous or not :

Are Humanoids dangerous? The answer is 'yes'. We humans are selfish. We have 'ego' problems. Humanoids, if realised, could be the same. They may make us, humans, their pets and play with us. The world's smartest robot is 'Asimov'. It has the intelligence of cockroach.one day, they may become as intelligent as a rabbit. In 100 years, they may become as intelligent as a monkey. Then they become dangerous. Perhaps, we can insert a chip that prevents them in taking any 'wise' decision that will harm us.

In short, we can say that there is nothing in laws of physics that prevents the creation of humanoids.

By

D. Siva Phanendra

(Asst.Professor)

Blue Brain

What is Blue Brain?

Blue brain is a concept which allows to copy or to transfer all the contents of a human brain into a virtual brain that resides inside a Super computer. The IBM is now developing a virtual brain known as the Blue brain. We can say it as Virtual Brain i.e. an artificial brain, which is not actually a natural brain, but can act as a brain. It can think like brain, take decisions based on the past experience, and respond as a natural brain. It is possible by using a super computer, with a huge amount of storage capacity, processing power and an interface between the human brain and artificial one.

How it is Possible?

First, it is helpful to describe the basic manners in which a person may be uploaded into a computer. Raymond Kurzweil recently provided an interesting paper on this topic. In it, he describes both invasive and noninvasive techniques. The most promising is the use of very small robots, or nanobots. These robots will be small enough to travel throughout our circulatory systems. Traveling into the spine and brain, they will be able

to monitor the activity and structure of our central nervous system. They will be able to provide an interface with computers that is as close as our mind can be while we still reside in our biological form. Nanobots could also carefully scan the structure of our brain, providing a complete readout of the connections between each neuron. They would also record the current state of the brain. This information, when entered into a computer, could then continue to function like us. All that is required is a computer with large enough storage space and processing power.

Applications:

1. Gathering and Testing 100 Years of Data.
2. Cracking the Neural Code.
3. Understanding Neocortical Information Processing.
4. A Novel Tool for Drug Discovery for Brain Disorders.
5. A Global Facility.
6. A Foundation for Whole Brain Simulations.
7. A Foundation for Molecular Modeling of Brain Function.

By
N.Srinivasa Rao
(Asst.Professor)

TOR

Inception:

TOR was originally designed, implemented, and deployed as a third-generation onion routing project of the U.S. Naval Research Laboratory. It was originally developed with the U.S. Navy in mind, for the primary purpose of protecting government communications. Today, it is used every day for a wide variety of purposes by normal people, the military, journalists, law enforcement officers, activists, and many others.

Overview:

TOR is a network of virtual tunnels that allows people and groups to improve their privacy and security on the Internet. It also enables software developers to create new communication tools with built-in privacy features. TOR provides the foundation for a range of applications that allow organizations and individuals to share information over public networks without compromising their privacy.

Individuals use TOR to keep websites from tracking them and their family members, or to connect to news sites, instant messaging services, or the like when these are blocked by their local Internet providers. TOR's hidden services let users publish web sites and other services without needing to reveal the location of the site. Individuals also use TOR for socially sensitive communication: chat rooms and web forums for rape and abuse survivors, or people with illnesses.

Journalists use TOR to communicate more safely with whistleblowers and dissidents. Non-governmental organizations (NGOs) use TOR to allow their workers to connect to their home website while they're in a foreign country, without notifying everybody nearby that they're working with that organization.

Groups such as Indymedia recommend TOR for safeguarding their members' online privacy and security. Activist groups like the Electronic Frontier Foundation (EFF) recommend TOR as a mechanism for maintaining civil liberties online. Corporations use TOR as a safe way to conduct competitive analysis, and to protect sensitive procurement patterns from eavesdroppers. They also use it to replace traditional VPNs, which reveal the exact amount and timing of communication. Which locations have employees

working late? Which locations have employees consulting job-hunting websites? Which research divisions are communicating with the company's patent lawyers?

A branch of the U.S. Navy uses TOR for open source intelligence gathering, and one of its teams used TOR while deployed in the Middle East recently. Law enforcement uses TOR for visiting or surveilling web sites without leaving government IP addresses in their web logs, and for security during sting operations.

The variety of people who use TOR is actually part of what makes it so secure. TOR hides you among the other users on the network, so the more populous and diverse the user base for TOR is, the more your anonymity will be protected.

Why we need TOR?

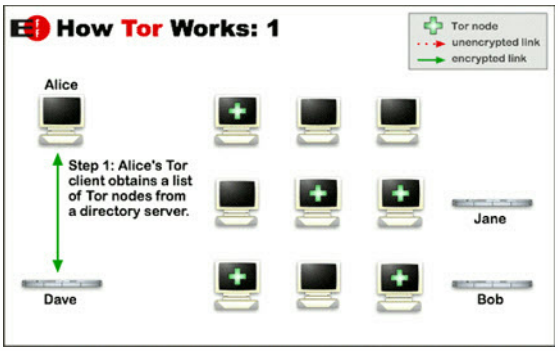
Using TOR protects you against a common form of Internet surveillance known as "traffic analysis." Traffic analysis can be used to infer who is talking to whom over a public network. Knowing the source and destination of your Internet traffic allows others to track your behaviour and interests. This can impact your check book if, for example, an e-commerce site uses price discrimination based on your country or institution of origin. It can even threaten your job and physical safety by revealing who and where you are. For example, if you're travelling abroad and you connect to your employer's computers to check or send mail, you can inadvertently reveal your national origin and professional affiliation to anyone observing the network, even if the connection is encrypted.

How does traffic analysis work? Internet data packets have two parts: a data payload and a header used for routing. The data payload is whatever is being sent, whether that's an email message, a web page, or an audio file. Even if you encrypt the data payload of your communications, traffic analysis still reveals a great deal about what you're doing and, possibly, what you're saying. That's because it focuses on the header, which discloses source, destination, size, timing, and so on.

A basic problem for the privacy minded is that the recipient of your communications can see that you sent it by looking at headers. So can authorized intermediaries like Internet service providers, and sometimes unauthorized intermediaries as well. A very simple form of traffic analysis might involve sitting somewhere between sender and recipient on the network, looking at headers.

But there are also more powerful kinds of traffic analysis. Some attackers spy on multiple parts of the Internet and use sophisticated statistical techniques to track the communications patterns of many different organizations and individuals. Encryption does not help against these attackers, since it only hides the content of Internet traffic, not the headers.

The solution: A distributed, anonymous network



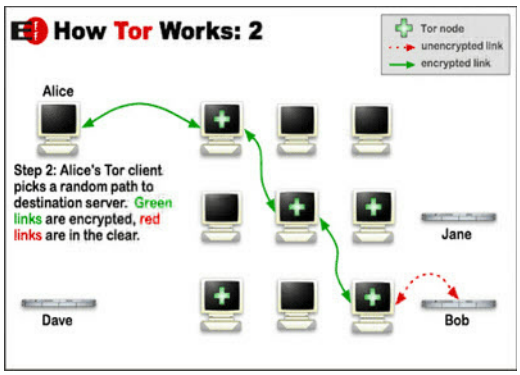
TOR helps to reduce the risks of both simple and sophisticated traffic analysis by distributing your transactions over several places on the Internet, so no single point can link you to your destination. The idea is similar to using a twisty, hard-to-follow route in order to throw off somebody who is tailing you — and then periodically erasing your footprints. Instead of taking a direct route from source to destination, data packets on the TOR network take a random pathway through several relays that cover your tracks so no observer at any single point can tell where the data came from or where it's going.

To create a private network pathway with TOR, the user's software or client incrementally builds a circuit of encrypted connections through relays on the network. The circuit is extended one hop at a time, and each relay along the way knows only which relay gave it data and which relay it is giving data to. No individual relay ever knows the complete path that a data packet has taken. The client negotiates a separate set of encryption keys for each hop along the circuit to ensure that each hop can't trace these connections as they pass through.

Once a circuit has been established, many kinds of data can be exchanged and several different sorts of software applications can be deployed over the TOR network. Because each relay sees no more than one hop in the circuit, neither an eavesdropper nor a compromised relay can use traffic analysis to link the connection's

source and destination. TOR only works for TCP streams and can be used by any application with SOCKS support.

For efficiency, the TOR software uses the same circuit for connections that happen within the same ten minutes or so. Later requests are given a new circuit, to keep people from linking your earlier actions to the new ones.



Hidden services:

TOR also makes it possible for users to hide their locations while offering various kinds of services, such as web publishing or an instant messaging server. Using TOR "rendezvous points," other TOR users can connect to these hidden services, each without knowing the other's network identity. This hidden service functionality could allow TOR users to set up a website where people publish material without worrying about censorship. Nobody would be able to determine who was offering the site, and nobody who offered the site would know who was posting to it. Learn more about configuring hidden services and how the hidden service protocol works.

Staying anonymous:

TOR can't solve all anonymity problems. It focuses only on protecting the transport of data. You need to use protocol-specific support software if you don't want the sites you visit to see your identifying information. For example, you can use TOR Browser while browsing the web to withhold some information about your computer's configuration.

Also, to protect your anonymity, be smart. Don't provide your name or other revealing information in web forms. Be aware that, like all anonymizing networks that are fast enough for web browsing, TOR does not provide protection against end-to-end timing attacks: If your attacker can watch the traffic coming out of your computer, and also the traffic arriving at your chosen destination, he can use statistical analysis to discover that they are part of the same circuit.

The future of TOR:

Providing a usable anonymizing network on the Internet today is an ongoing challenge. We want software that meets users' needs. We also want to keep the network up and running in a way that handles as many users as possible. Security and usability don't have to be at odds: As TOR's usability increases, it will attract more users, which will increase the possible sources and destinations of each communication, thus increasing security for everyone. We're making progress, but we need your help. Please consider running a relay or volunteering as a developer.

Ongoing trends in law, policy, and technology threaten anonymity as never before, undermining our ability to speak and read freely online. These trends also undermine national security and critical infrastructure by making communication among individuals, organizations, corporations, and governments more vulnerable to analysis. Each new user and relay provides additional diversity, enhancing TOR's ability to put control over your security and privacy back into your hands.

By
K.Sai Prasanth
(Asst.Professor)

E-Ball Technology

A new concept of pc is coming now that is E-Ball concept pc. The E-Ball concept is a sphere shaped computer which is the smallest design among all the laptops and desktops. This computer has all the features like a traditional computer, elements like keyboard or mouse, DVD, large screen display, etc, all in an innovative manner. E-Ball is designed to be placed on two stands, opens by simultaneously pressing and holding the two buttons located on each side. After opening the stand and turning ON the pc, pressing the detaching mouse button will allow you to detach the optical mouse from the pc body. This concept features a laser keyboard that can be activated by pressing the particular button. E-Ball is very small-it is having only 6 inch diameter sphere and 120x120mm motherboard.

Elements of E-Ball:

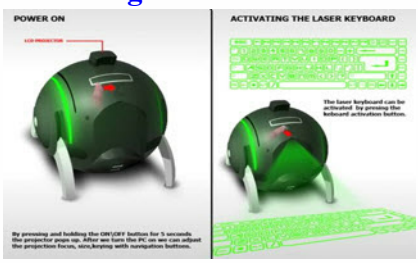
E-Ball will feature a dual core processor, 250-500GB HDD, 2GB of RAM, integrated graphic card and sound card, 2x50w speakers, HD-DVD recorder, wireless optical mouse and laser keyboard, LAN and WLAN card, modem, web cam and integrated LCD projector.

Working of E-Ball:

E-Ball pc don't have any external display unit, it has a button when you press this button a projector will pop and it focus the computer screen on the wall which can be adjusted with navigation keys. If there is no wall then it has a paper sheet holder that divides into three pieces like an umbrella just after popping up, and it will show desktop on the paper sheet. The E-Ball pc supports a paper holder and the paper sheet on the holder could act like a screen where you can watch movies or something. E-Ball pc has a laser keyboard that is fully a concept keyboard that is visible when the pc is working. The keyboard is not physical-it is interpreted by lasers that appear after you press the respective button. It recognizes your fingers with the help of an IR sensor when you are typing at a particular place. The software interface of E-Ball concept pc is highly stylized with icons that can be remembered easily that support all types of windows operating system.

Figure 1

Figure 2



By
G.Prasad
(Asst.Professor)

Facts About Computer

1. “Stewardesses” is the longest word which can be typed with only the left hand.
2. COBOL language was developed by the first female admiral in the US Navy, Admiral Grace Hoper.
3. “Crash Course” is another name for Microsoft Windows tutorials.
4. Computers should be turned off at night.
5. In the 1950s computers were commonly referred to as "Electronic Brains."
6. In 1910, Henry Babbage, Charles Babbage's youngest son, was able to complete a portion of machine,the Analytical Engine that was able to perform basic calculations.
7. The Turing machine was first proposed by Alan Turing in 1936 and became the foundation for theories about computing and computers.
8. The Colossus was the first electric programmable computer, developed by Tommy Flowers, and was created to help the British code breakers read encrypted German messages.
9. The Atanasoff-Berry Computer(ABC) was an electrical computer that used vacuum tubes for digital computation, including binary math and Boolean logic and had no CPU.
10. Intel introduces the first microprocessor, the Intel 4004 on November 15, 1971.
11. MIT introduces the Whirlwind machine on March 8, 1955, a revolutionary computer that was the first digital computer with magnetic core RAM and real-time graphics.

By
Ch.Lavanya
3/4 IT-A

3D Printed Hearts

3D printers have been used for myriad biomedical applications, from printing a prosthetic windpipe to creating replicas of the liver. Now, researchers are using 3D printing to create anatomically accurate replicas of the heart. The new tools could allow surgeons to better visualize heart defects in children, improving surgical outcomes

Replicas of the human heart that are made on 3D printers could help save babies' lives, new research suggests. The heart replicas are designed to match every tiny detail of a baby's heart, so they can help surgeons plan where to cut tissue, reroute piping and patch holes in children with congenital heart defects

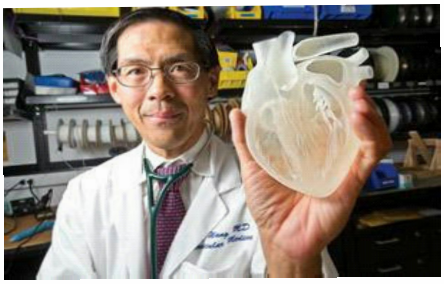
Tiny hearts:

Children who have certain congenital heart defects such as holes in one of the four chambers of the heart or misrouted arteries and vesselsoften face years of complex, risky surgeries. When these fragile babies are born, doctors typically do a very quick surgery that improves blood flow just enough for them to grow. Once the little ones have doubled in size (usually when they are 6 to 9 months old), surgeons often perform more complicated repair surgery, Bramlet said.

But even the hearts of bigger babies are tiny, and the magnetic resonance imaging (MRI) scans that are currently done to guide surgical decisions are difficult to interpret. Although researchers have 3D-printed an artificial heart sleeve, an artificial wind pipe and replicas of kidneys and livers to guide surgeries, 3D replicas of the heart were slower to come along.

With complex organs such as the kidney and heart, a major challenge is being able to provide the structure with enough oxygen to survive until it can integrate with the body," said Dr. Anthony Atala, whose team at Wake Forest University is using 3D printers to attempt to make a human kidney.

The 3D printing approach is not the only strategy researchers are investigating to build a heart out of a patient's own cells. Elsewhere, scientists are exploring the idea of putting the cells into a mold. In experiments, scientists have made rodent hearts that beat in the laboratory. Some simple body parts made using this method have already been implanted in people, including bladders and windpipes.



Uses:

Printing hearts:

The technology has already helped in other areas of medicine, including creating sure-fitting prosthetics and a splint that was printed to keep a sick child's airway open.

Doctors at Cornell University used a 3D printer last year to create an ear with living cells.

By
M.Anitha
3/4 IT-A

Jolidrive Combines All Your Cloud Services into One

Cloud services are everywhere, and you probably have at least a few accounts all over the web. Jolidrive takes all those services and rolls them into one, simple interface.

Perhaps you have files in Dropbox, but prefer Google Drive for documents. Maybe you take photos with Instagram, but keep the majority of your collection in Flickr. Jolidrive can access all of those accounts from a single location so you don't have to go all over the web looking for individual files. While Jolidrive doesn't support every single cloud service at this moment, it does work with many popular ones. In addition to those previously mentioned, YouTube, Box, SkyDrive, Facebook, Instapaper, Tumblr, Google+ (kind of), Readability, Vimeo, Picasa, and more all work.

While Jolidrive doesn't cost anything, you have to promote it on social media in order to unlock some of the aforementioned services. While that isn't a high price to pay, I'd personally rather pay actual money than be used as an advertising platform even if I like the product (which I obviously do or this post wouldn't exist). Nevertheless, Jolidrive offers a fantastic interface and connects tons of services together with ease. If you can get past the social media sharing, it's a great way to keep all your cloud data in one central location.

By

K.Srilekha

(3/4 ITA)

Sixth Sense Technology

Sixth Sense is a tool that connects the physical world with the world of data. If you are from those who just believe that there are only five senses then I must say you are wrong. Because, those five senses are provided by nature.• Now technology is going to provide you an addition sense named as sixth sense. It's an exciting new research from MIT students which have been experimented successfully; we will find it in the market as a wearable gestural interface.

The Sixth Sense covers the phenomenon of:

Telepathy - mind-to-mind communication Clairvoyance - the power to see things that aren't available to you by the known senses and which aren't known by anyone else.

Precognition - the foreseeing of future events.

Retrocognition - the ability to see past events.

Psychometric - the ability to learn the history of an object.

ORGIN:

This sixth sense technology was developed in Massachusetts Institute of Technology (MIT) by an Indian born scientist of research and development. They created a device that can turn any surface into a touch-screen for computer, controlled by simple hand gestures.

Clearly, this has the potential of becoming the ultimate "transparent" user interface for accessing information about everything around us. But as it is now, it may change the way we interact with the real world and truly give everyone complete awareness of the environment around us.

CONSTRUTION:

Basically, Sixth Sense is a mini-projector coupled with a camera and a cell phone which acts as the computer and your connection to the Cloud, all the information stored on the web. Sixth Sense can also obey hand gestures. The key here is that Sixth Sense recognizes the objects around you, displaying information automatically and letting you access it in any way you want, in the simplest way possible.

Clearly, this has the potential of becoming the ultimate "transparent" user interface for accessing information about everything around us. But as it is now, it may change the way we interact with the real world and truly give everyone complete awareness of the environment around us.

WORKING:

The Sixth Sense prototype is comprised of a pocket projector, a mirror and a camera. The hardware components are coupled in a pendant like mobile wearable device. Both the projector and the camera are connected to the mobile computing device in the user's pocket. The projector projects visual information enabling surfaces, walls and physical objects around us to be used as interfaces;

While the camera recognizes and tracks user's hand gestures and physical objects using computer-vision based techniques. The software program processes the video stream data captured by the camera and tracks the locations of the colored markers (visual tracking fiducials) at the tip of the user's fingers using simple computer-vision techniques. The movements and arrangements of these fiducials are interpreted into gestures that act as interaction instructions for the projected application interfaces. The maximum number of tracked fingers is only constrained by the number of unique fiducials, thus Sixth Sense also supports multi-touch and multi-user interaction.

The Sixth Sense prototype implements several applications that demonstrate the usefulness, viability and flexibility of the system. You can use any surface, including your hand if nothing else is available, and interact with the data.

ADVANTAGES:

- The device is a mobile device. Means, it is so light we can take it with us where ever we want to. It is as small as a cell phone and is so simple to use.
- We can accesses our work from any place.
- It can focused on any surface we can anything as screen.
- It is also a touch screen system easy to perform work on it.

- In the product purchasing it is very useful to select the perfect goods.
- We can take photos and organize them on any floor.

By

K. Anil Kumar

Cisco IOS Firewall

The Cisco IOS Firewall, provides robust, integrated firewall and intrusion detection functionality for every perimeter of the network. Available for a wide range of Cisco IOS software-based routers, the Cisco IOS Firewall offers sophisticated security and policy enforcement for connections within an organization (intranet) and between partner networks (extranets), as well as for securing Internet connectivity for remote and branch offices.A security-specific, value-add option for Cisco IOS Software, the Cisco IOS Firewall enhances existing Cisco IOS security capabilities, such as authentication, encryption, and failover, with state-of-the-art security features, such as stateful, application-based filtering (context-based access control), defense against network attacks, per user authentication and authorization, and real-time alerts.

The Cisco IOS Firewall is configurable via Cisco ConfigMaker software, an easy-to-use Microsoft Windows 95, 98, NT 4.0 based software tool.A Firewall is a network security device that ensures that all communications attempting to cross it meet an organization's security policy. Firewalls track and control communications deciding whether to allow ,reject or encrypt communications.Firewalls are used to connect a corporate local network to the Internet and also within networks. In other words they stand in between the trusted network and the untrusted network.The first and most important decision reflects the policy of how your company or organization wants to operate the system. Is the firewall in place to explicitly deny all services except those critical to the mission of connecting to the net, or is the firewall is in place to provide a metered and audited method of 'Queuing' access in a non-threatening manner. The second is what level of monitoring, reducing and control do you want? Having established the acceptable risk level you can form a checklist of what should be monitored, permitted and denied. The third issue is financial.

Implementation methods

As a Screening Router:

A screening router is a special computer or an electronic device that screens (filters out) specific packets based on the criteria that is defined. Almost all current screening routers operate in the following manner.

1. Packet Filter criteria must be stored for the ports of the packet filter device. The packet filter criteria are called packet filter ruler.
2. When the packets arrive at the port, the packet header is parsed. Most packet filters examine the fields in only the IP, TCP and UDP headers.
3. The packet filter rules are stored in a specific order. Each rule is applied to the packet in the order in which the packet filter is stored.
4. If the rule blocks the transmission or reception of a packet the packet is not allowed.
5. If the rule allows the transmission or reception of a packet the packet is allowed.
6. If a packet does not satisfy any rule it is blocked.

By
B.Ujavala Priyanka
3/4 b.tech
IT-A.

USEFUL WEBSITES

Placement Papers:
www.Indiabix.com
www.Exams.educationobserver.com
www.englishteststore.net
www.a4esl.org
www.freshersworld.com
www.tutorialspoint.com
www.sciencedirect.com
www.careerride.com

Competitive Exams:
www.jagranjosh.com
www.successcds.net

Programming Languages:
www.codechef.com
www.cquestions.com
www.stackoverflow.com
www.w3schools.com
www.cprogramming.com
www.cplusplus.com
www.pluralsight.com
www.thefreecountry.com
www.csharp-station.com
www.cppinstitute.org
www.onjava.com
www.codeacademy.com

Online Education:
www.lynda.com
www.makeuseof.com
www.thenewboston.org
www.nptel.ac.in
www.vtc.com
www.Wiziq.com

Online Certifications:
www.sans.org
www.tomsitpro.com
www.geotrust.com
www.gocertify.com
certification.comptia.org
www.globalknowledge.com

Job Listing sites:
www.naukri.com
www.Monster.com
www.quintcareers.com

Web development sites:
www.sixrevisions.com
www.smashingmagazine.com
www.10bestdesign.com

Journals:
www.ArtForum.com
www.inderscience.com
www.worldscience.com
www.link.springer.com
www.asq.org
www.ieeexplore.ieee.org

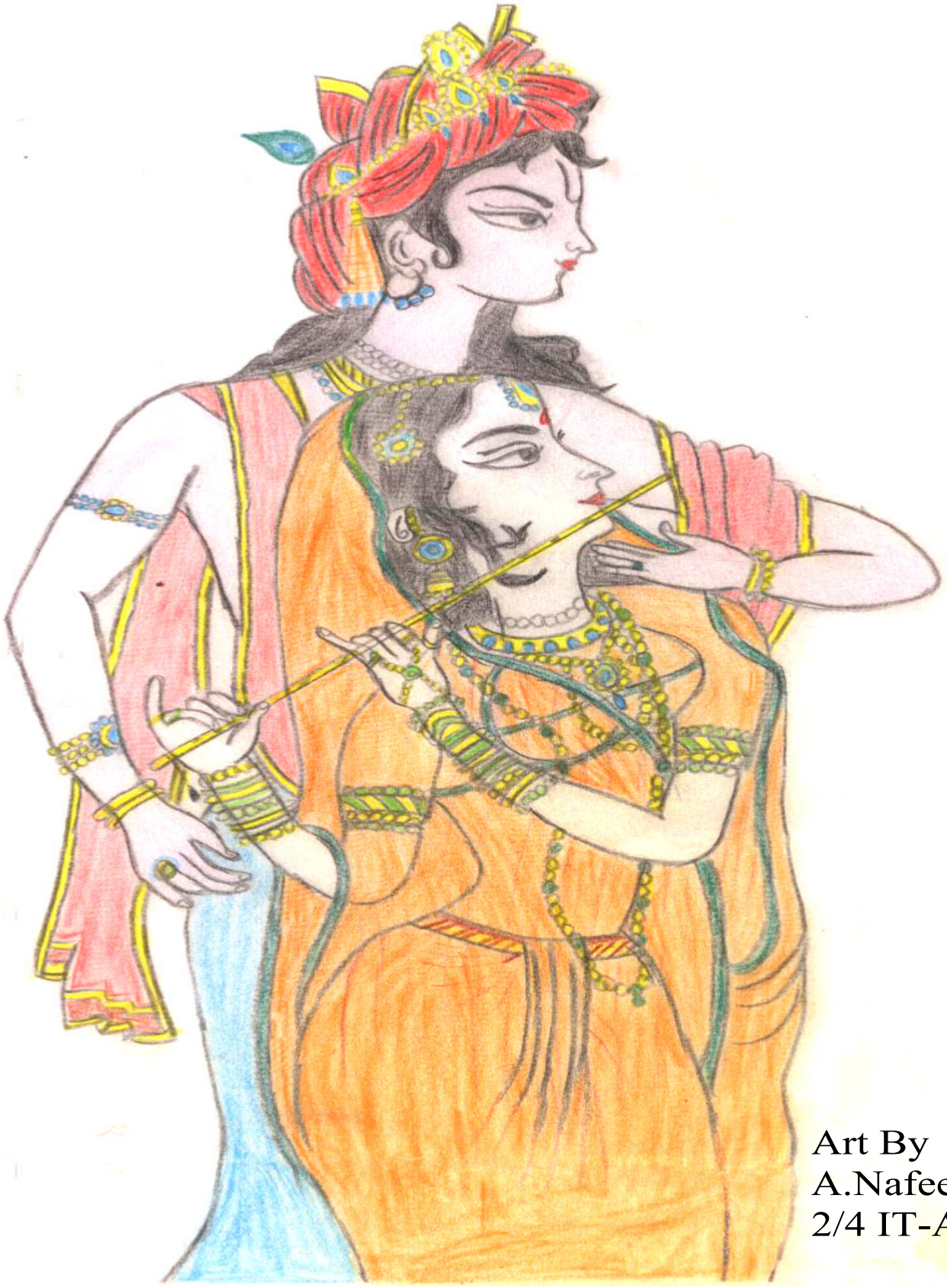
TODAY A READER TOMORROW A LEADER

Art gallery

spark '15

Art gallery

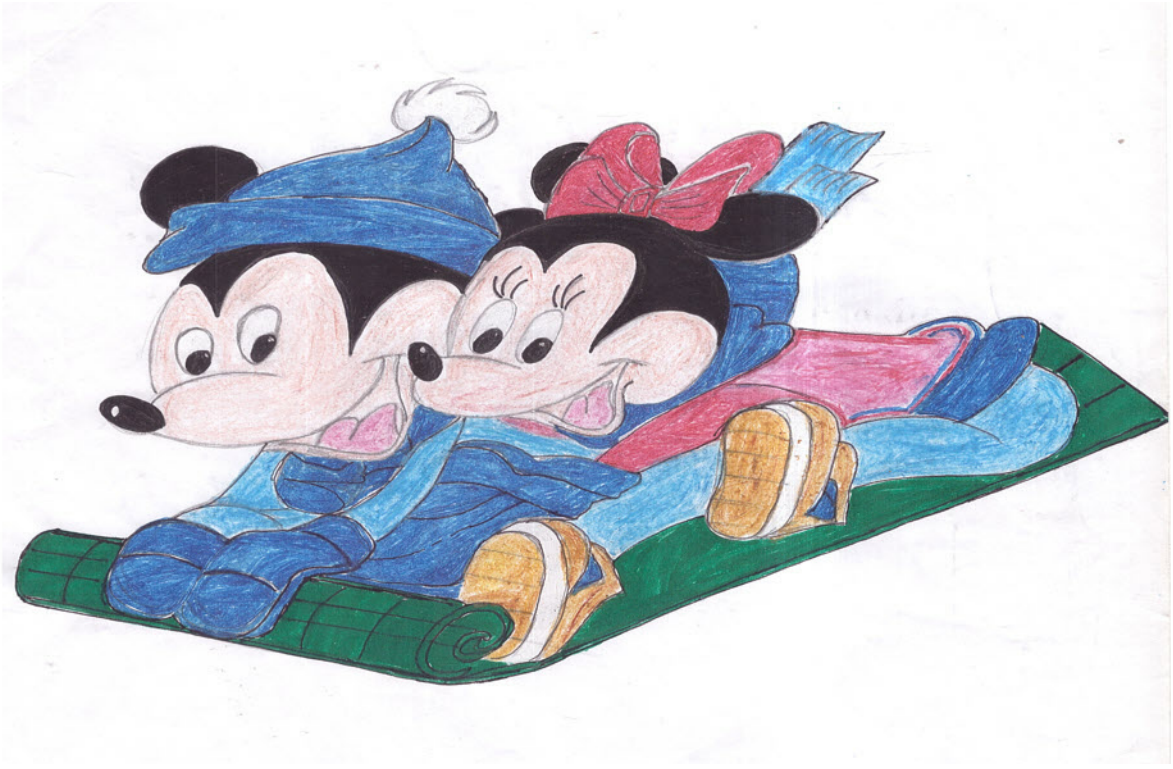
spark '15



Art By
A.Nafees
2/4 IT-A

Art gallery

spark '15



Art gallery

spark '15

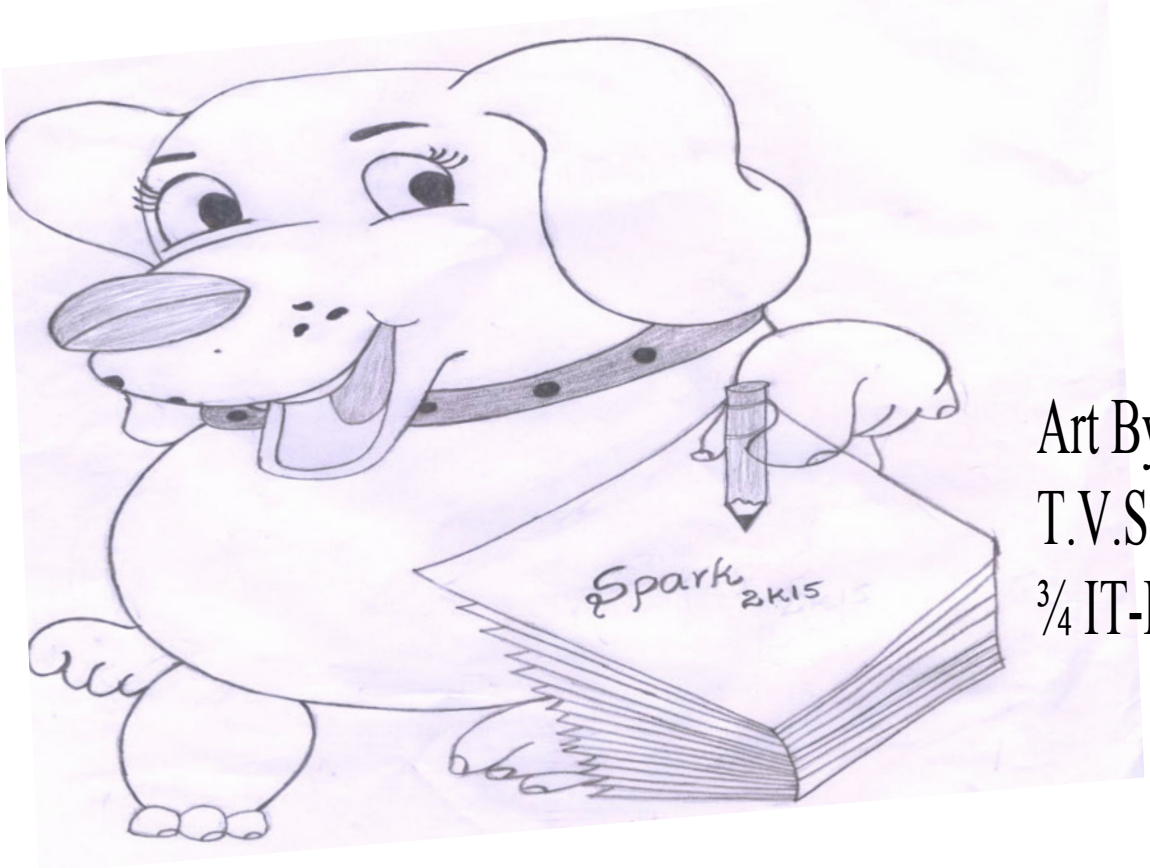
By.
G. Bhanu
3/4 IT-A.

Art By
B.L.Prasanna
¾ It-A

Art gallery

spark '15

Art By
N.Lakshmi
¾ IT-B



Art By
T.V.S.N.Likitha
¾ IT-B

Art gallery

spark '15

Art By
Ch.Devaki
¾ IT-A

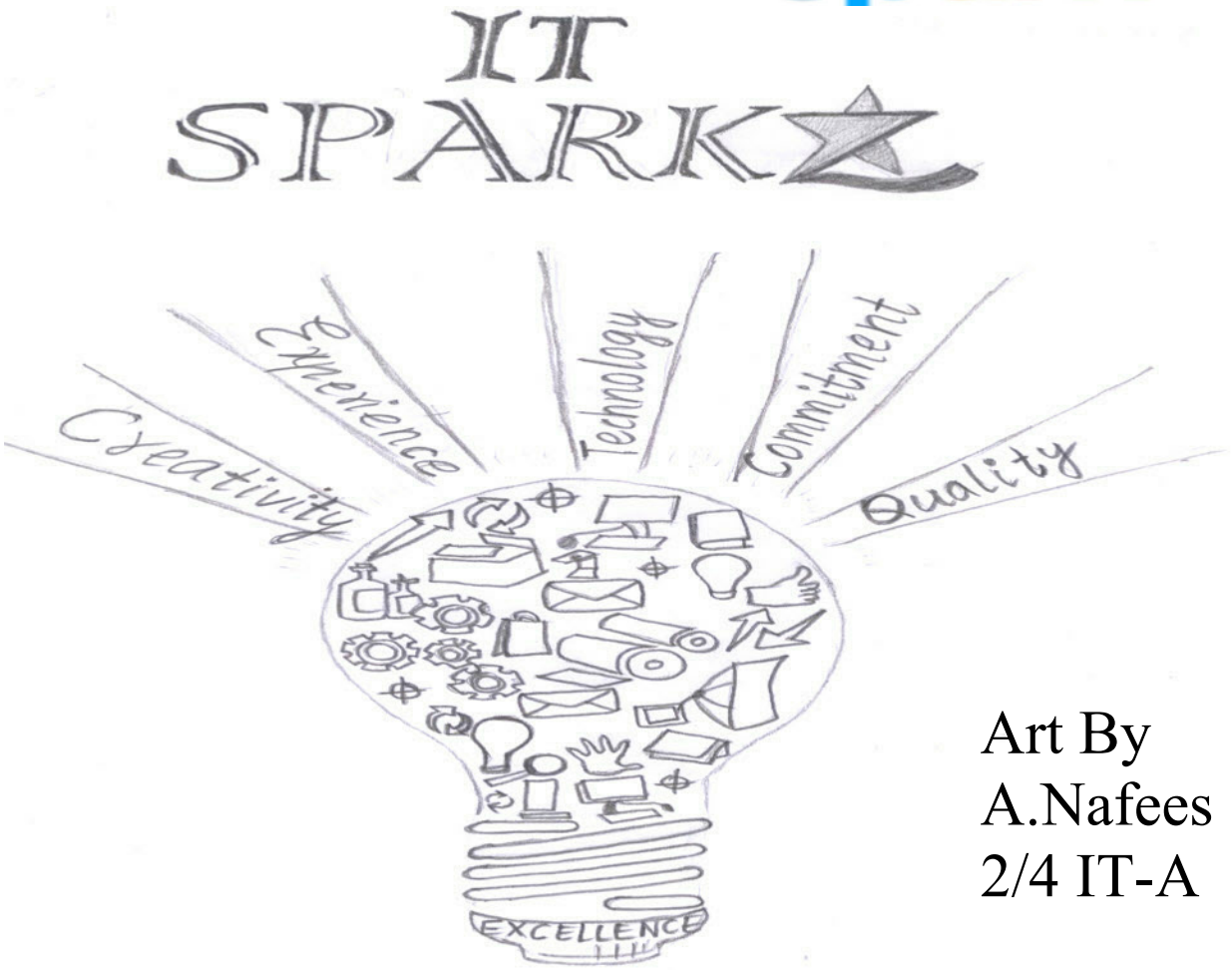
Art By
KAnusha
¾ IT-A

Art gallery

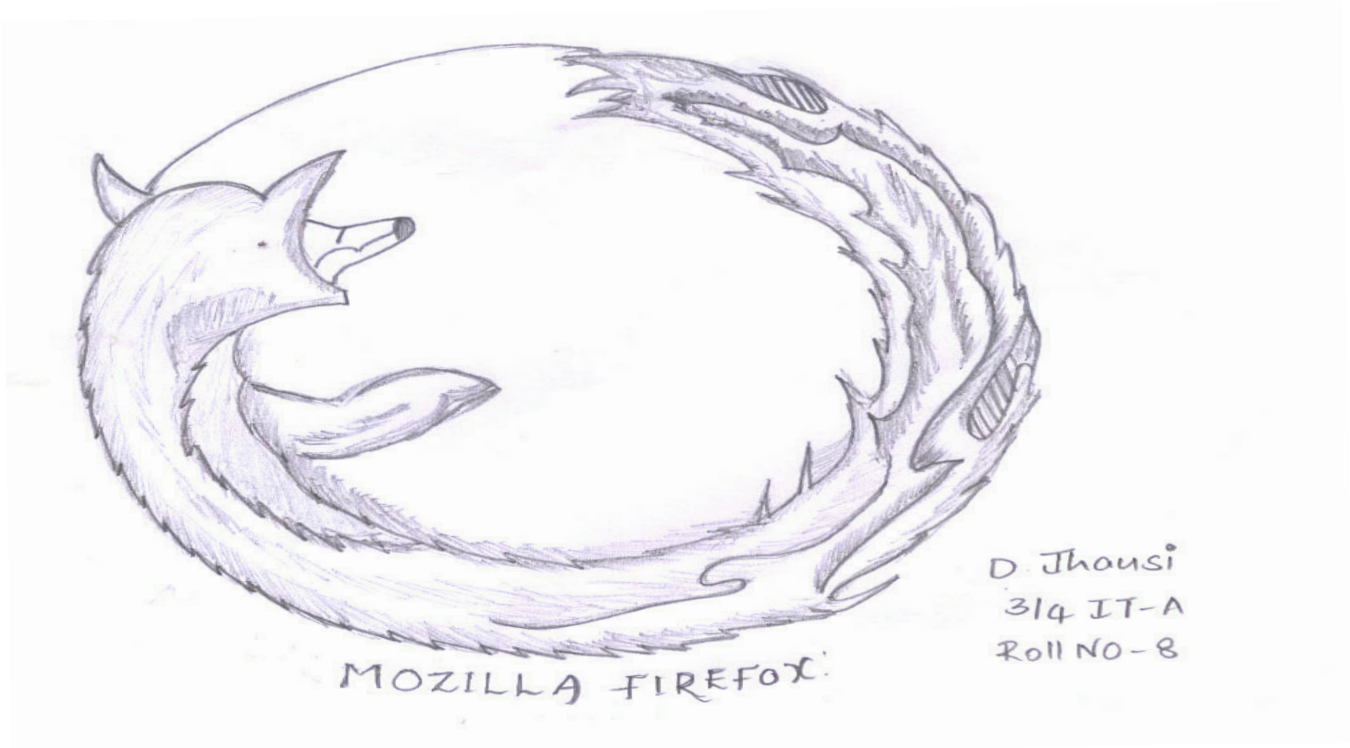
spark '15

Art gallery

spark '15



Art By
A.Nafees
2/4 IT-A



Art gallery

spark '15

Art By
P.srija
¾ IT-B

Art BY
K.Chandrika
¾ IT-B

Art gallery

spark '15

What fits your busy schedule better, exercising one hour a day or being dead 24 hours a day. — Subedar. Shaile, Dept. IT

Art gallery

spark '15

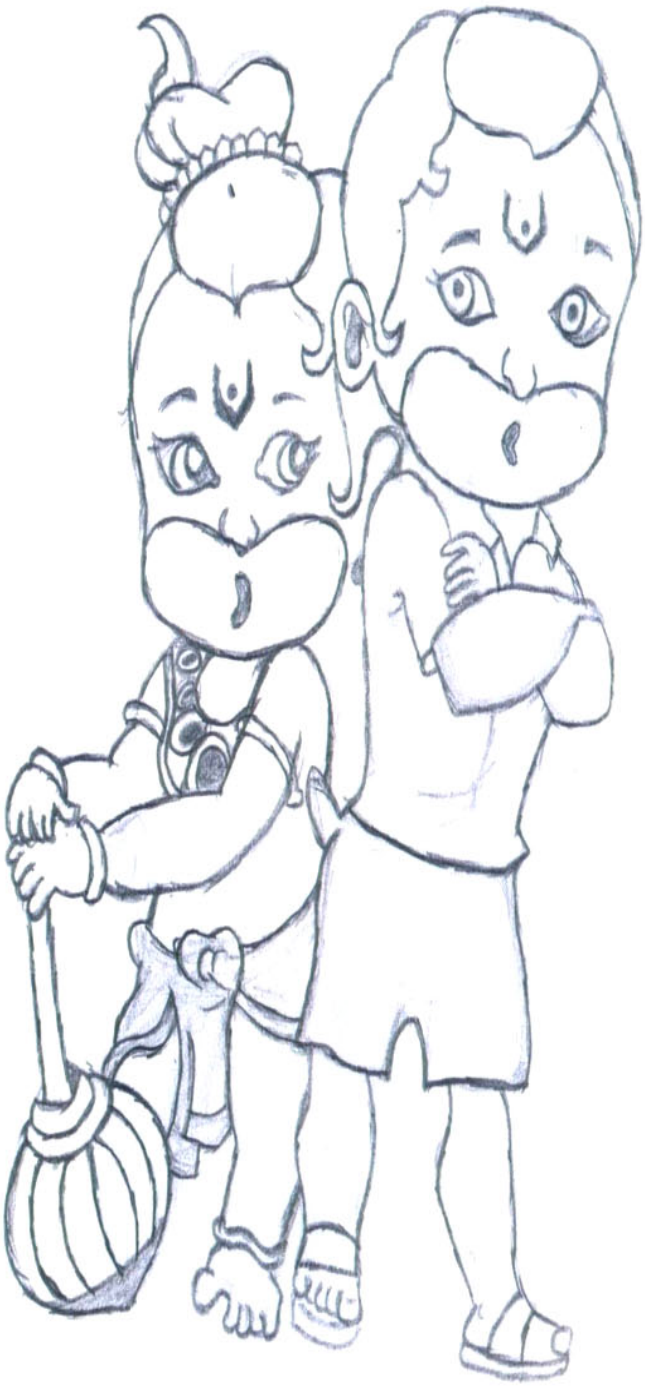
ART

BY

Ch..Tilak

Art gallery

spark '15



Art by
T. Srividya
3rd I.T-B

Art gallery

spark '15

There is only 1 difference• between dream && aim.
Dream requires effortless sleep• &&• Aim requires sleepless efforts.
Sleep for dream• &&• Wake Up for Aim.....

Regards,
Nikitha
3/4 IT-B.

Talk to yourself at least once in a Day.. Otherwise you may miss a meeting with an EXCELLENT person in this World…

M.Girija
3/4 B.tech IT-A

Student Activities

Centre for Creative Arts (CCA)

Centre for Creative arts (CCA), which plays a key role in our personality development and leadership qualities to lead our life successfully.

Our BEC students are so blessed to have such a wonderful college timings. The college is totally focused on academics, our super seniors spot a query in front of them regarding student organizations to exhibit their talents and built up goal oriented team work. On 26th July 2008 our super seniors started this wonderful platform "Centre for Creative Arts" (CCA) with an empowered intention: To provide a platform for students to exhibit their talents and develop managerial skills along with academics.

From the day of its formation we convert every effort into a fruitful output. In our life commonly when we face obstructers we get depressed. Because of incessant love and affection and immense of dedication towards organisation we never get down or look back when we face hurdles.

Even though we have problems in our life, now we are capable to face them. It is just because of CCA. It moulds people into a well-defined shape to mingle with people and with society as a gentlemen.

Started 7 years ago, CCA had many grading badges from the college by the involvement in many events organised by them. Eventually the time had come to handle the prestigious events by us totally like PULSE, BECTAGON 2K11, BECTAGON 2K14 which shows the faith on us by the management. That is the mark made by CCA. It also conduct auditions for students to show their performances in front of enthusiastic audience.

The college is the witness for some of major events conducted every year like Republic Day, Independence Day, and Engineers Day etc., in the name of cultural activities on those auspicious occasions.

CCA is been monitored by staff coordinators,And then by student coordinators followed by organisers to maintain the values and standards.

With lot of efforts our beloved seniors laid a path for us to build up skills that help us to come out of cocoon as a butterfly to face this wonderful world which is a package of emotions and feelings. We pray to have this path for all future generations.

We strongly believe in the statement given by our mentor Dr. K .V .L. N. Acharyulu garu

CENTRE FOR CREATIVE ARTS

"Mother gives affection CCA gives perfection"

CCA always have vast of space in it with a hearty welcome for the fresh talents to taste the Real satisfaction in team work, as experienced by all of its members from the day of its origin.

"Long live BEC….Long live CCA"

ELICIT

E-Ever
L-Lasting
I-Innovative
C-Consortium of
It-IT

Elicit an interactive hub of the students, for the students and by the students was a great work started by our seniors in the year 2007. With an objective of evoking and stimulating inner hidden talents of every student to share among themselves in a collaborated manner, as the actual meaning of Elicit also derives the same. The goals which cannot be achieved individually can be fulfilled with a collaborative environment. With the reference to it, elicit platform provides a friendly environment to showcase inter-personal skills with a common aspire of learn and let learn. This win-win approach can even enable the competitive spirit of students to boost up their potentials in a skilled manner. This intent of knowledge sharing flourishes a challenging balanced mode of stuff ensuring the base view on all aspects and expertise in one's own inherent skill. In this competitive world, harmonising and managing the things plays a key role to make a fellow sustainable. It means that Elicit not only provides an assurance to adopt those qualities but it boosts up the confident levels of students as well so that everyone try to achieve something better in their lives. It helps in eliminating one's own fears and moulds to persist even under any drastic circumstances. It fills the heart with dare and confidence to face any challenges in their way of reaching the goal even, if the way is any sort of shady way or a thorny way.

Hence, the ultimate goal of Elicit is to enlighten and enrich skills of all the students in an optimal way making the beings self-sustainable and self-confident as well. Availing this spectacular opportunity will definitely shines the students uniquely who are heading forward in their career journey.

Suryodaya Society For Awakening Community(SAC)

-Helping Hands Better than Praying Lips

There are nearly 2000 children in and around Bapatla , those who are in the stream of working condition in shops, some are beggars in railway stations and bus stations, in the age of going to schools and gaining knowledge, they moved along the path of Child labour . Being a CHILD they are LABOUR too.
"Arise, Awake, for your country needs this tremendous sacrifices, it is the young man that will do it – 'the Young, the energetic, the strong, the well build, the intellectual said by a famous socialist Swami Vivekananda: by taking these words as a inspiration, as there are nearly 1200 passed outs every year from our college, can't the change the destiny of atleast 200 out oof 2000 children? This thought was implemented by few of our college students through the platform namely

SAC - 'Suryodaya society for awakening community'
(Regd : 171/2011 , Narasaraopet)

It had carried about 300 Child labour from working condition to path of Education.It have been working with PRATHAM which is a NGO since 7 years with a minimum strength of 30 children. It sincerely tries to awake the people that "Kids are not meant to work but for Study".

SAC also have a blood team,in which blood test camp are conducting from those who are interested to donate blood, their details are collected and maintained in a database, so that in cases of emergency requirement of blood they are contacted and sent to hospitals….upto now 200 people are aided by this Blood team….
It conducts health check up camps in villages and takes care of health of people in the village. Since 2013 it has adopted 5 villages near Bapatla under Village Program and conducted many aware programs about social evils like Intoxication , Child labour , Child marriages and also says about the facilities that government provide for education. And also various activities like visiting government schools , spending time with students of PCS, Plantation programs , Beach cleaning programs are being done by our volunteers of SAC. The amount required to do this all activities is collected from the faculty , alumni and students of BEC.

Feeling of BEING UNWANTED is the worst disease that any human being can ever experience . The only medicine to cure that disease is WILLING HANDS TO SERVE and LOVING HEARTS TO LOVE……..Mother Teresa

-Serving Hands.

FROM SPARK'15

Team

We are very much delighted for bringing out the magzine SPARK2k15in a digital format on behalf of Information Technology. We are very much thankful for HOD Sri.N.Sivaram Prasad sir for rendering all his experience in to valuable words,which enabled us for successful completion of our magzine.We are greatful to Sri.P.A.V.Krishna Rao sir for leading us as a Staff coordinator and also all staff members and students for their valuable support.

Spark 2k15 is creating a new trend by bringing out the complete magzine in adigital format . Proving that Information Technology is a real friend for this environment, we didn't wasted even a single paper or a penny.We hope the concept of this digital copy will also continued by our upcoming batches showing the real meaning of eco - friendly.

SPARK 2k15 gave us a chance to develop our intellectual skills and made us realize the importance of time management. It helped us to enlighten ourself under guidance of our staff.

FROM SPARK'15

Team

EDITORIAL TEAM

P.Maahesh Babu
S.Susmitha
Ch.Lavanya
P.Praneth Kumar
M.Bhargav
M.Akhil

VOLUNTEERS

M.Anitha
K.Sai Saranya
K.Srilekha
K.Anusha
G.Muralidhar
T.Nikitha
A.Ram Mohan Reddy
Sk.Sharmila
U.Divakar Babu
S.Harikishan
Ch.Devaki
D.Sudharani

Computer Society of India

is pleased to certify that

Bapatla Engineering College
Guntur – 522 101
Andhra Pradesh

is an

Educational Institution Member

(Membership Number I01540)

of

Computer Society of India

Director (Education)

(Validity of this certificate is subject to renewal
of CSI membership and other norms of the Society)
Valid till 31st March 2013

Chennai

1st April 2011

Microsoft Innovation Center

ABOUT MIC

Microsoft Innovation Center is brought out to strengthen the Engineering education propelled by research after reaching an MOU with world famous Microsoft.

This centre aims at taking up academics to industry by mutual exchange of Technology and other resources.By enabling students working on various latest projects, Innovation Center helps students to build and accelerate their skills.

This is achieved through strategically deploying multiple activities such as receiving microsoft Software,guidance on the projects relevant to MS Software,staff and student training,cosystem relationships, partnerships, entrepreneurship curriculum, MS technology mentoring, MS program connectivity along with annual ecosystem conferences and competitions.

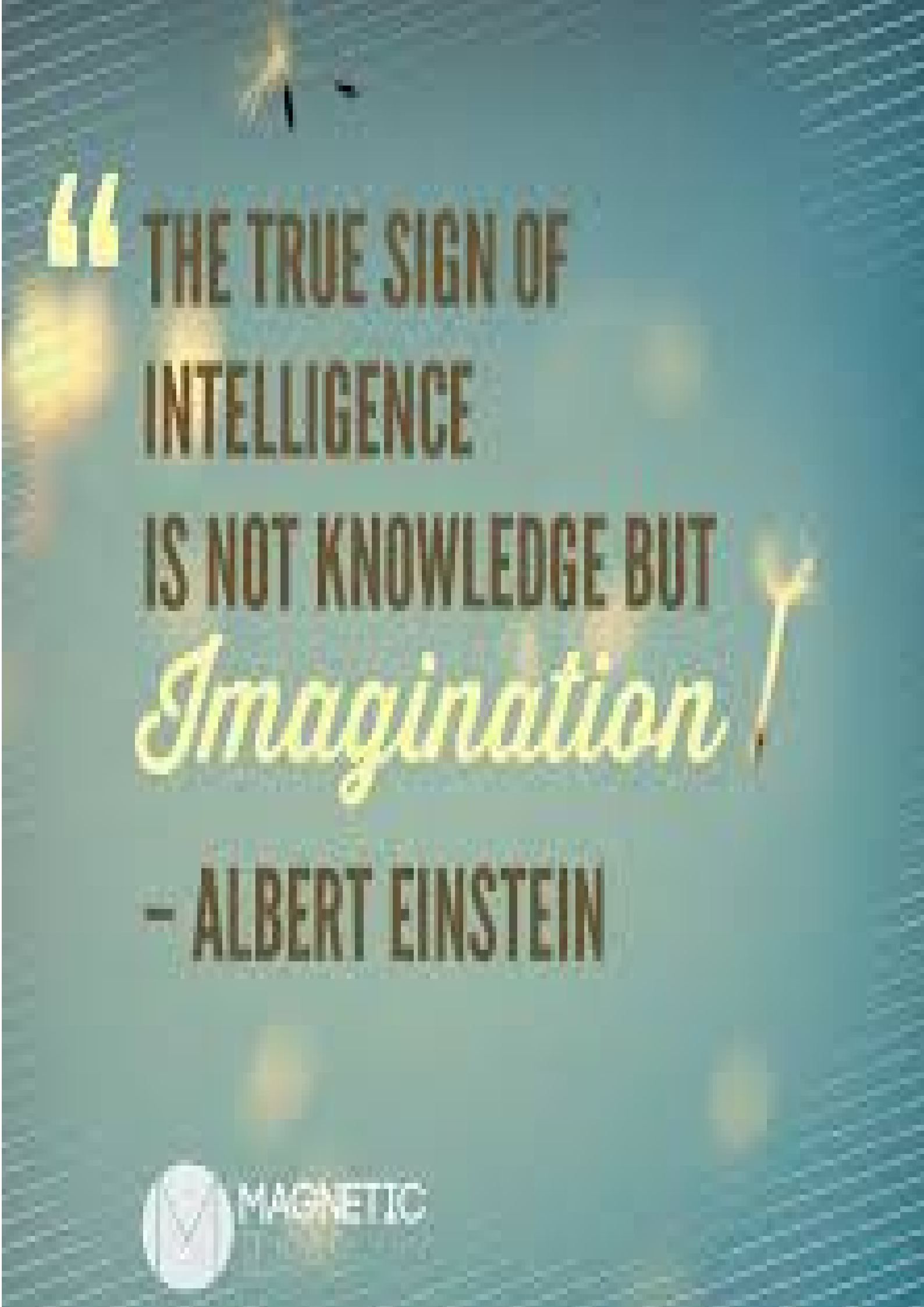
For this,BEC is all braced up to contribute through its skilled manpower,infrastructure and application development.

ACTIVITIES

By using this platform, many of our students took part in some international events like Windows 8 app fest, windows phone app fest, yappon etc.,

We are proud to say that we grab a guiness world record by doing an app in Windows 8 app fest.

Many of our apps have been uploaded in the Windows store.


“THE TRUE SIGN OF
INTELLIGENCE
IS NOT KNOWLEDGE BUT
Imagination!
– ALBERT EINSTEIN
MAGNETIC


Symantec
Google
in
HCL
ORACLE
TATA CONSULTANCY SERVICES
Fiserv
salesforce
Infosys
ca
tm
WIPRO
f
IBM
Microsoft
accenture
Intuit
C
C++
Java
PHP
Python
Script
PEARL
Lisp
VB
OOPS
DAA
CN
ATFL
DBMS
DMS
CO
OS