

SKC Alumni

BLUE BRAIN

“BLUE BRAIN”- The name of the world's first virtual brain. That means machine that can function as human brain.

- It can take decision.
- It can think.
- It can response.
- It can keep things in memory.

WHY WE NEED VIRTUAL BRAIN

- To upload contents of the natural brain into it .
- To keep the intelligence , knowledge and skill of any person for ever .
- To remember things without any effort

NATURAL BRAIN VS SIMULATED BRAIN Natural Brain

- Input, By neurons
- By sensory cells
- Interpretation
- By different states of the neurons in the brain.

Virtual Brain

- Input, Through the silicon chip or artificial neurons
- Electric impulses
- Interpretation
- By a set of bits in the set of register

UPLOADING HUMAN BRAIN

- The uploading is possible by the use of small robots known as the NANOBOTS.
- These robots are small enough to travel throughout our circulatory system.
- Will monitor activity of brain by traveling into the spine and brain
- They will provide an interface with computer .

HARDWARE AND SOFTWARE REQUIREMENT

- A Super computer.
- Memory with a very large storing capacity.
- Processor with a very high processing power.
- A very wide network.
- A program to convert the electric impulses from the brain to input signal, which is to be received by the computer and vice versa.
- very powerful Nanobots to act as the interface between the natural brain and the computer.

ADVANTAGES

- We can remember things without any effort.
- Decision can be made without the presence of a person.
- Even after the death of a man his intelligence can be used.
- Improvements in processing speed and memory could make entire human brain simulated.

Mrs.C.Kavitha,
Assistant Professor, Dept of CS

Google + open source = Tensor Flow

What is TensorFlow?

It is definitely not the same as, say, cloud-based machine-learning service (like, for example, [Azure ML is](#)).

It is a machine-learning library using data flow graphs to build models. The main purpose of the library is to create models to solve various NLP and image recognition tasks.

TensorFlow has been created for Deep Learning to let a user create a neural network architecture by himself (or herself, of course). Still, the library allows the user to work with statistical machine learning algorithms. However, it does not provide them out-of-the-box – user has to implement them on his own and TensorFlow provides only tools to do this.

Also, TensorFlow is a second generation machine learning system and it has been created to replace its predecessor called DistBelief. what about tensors?

Data in TensorFlow are represented as tensors (multidimensional and dynamically sized data arrays). Actually, tensors flow in the graph from node to node, thus making the name of the library sound logical. Simply speaking, a tensor is a 3D matrix (but it is not a strict mathematical definition, of course!). On a figure below, you may see a tensor in terms of vivisection. Comparing to matrix it has more degrees of freedom regarding data selection and slicing. What is cool about TensorFlow?

1. Flexibility of representation – user can create almost any type of data flow graph, visualize and admire it. If you can express your algorithm as data flow graph, you can do it with TensorFlow – no exceptions.

2. You may use TensorFlow for both research and production purposes. Therefore, you can create some model for research and then push this very model into a product (after some code rewriting, of course, as researchers usually forget about code optimization) using the same TensorFlow library.

3. Auto-differentiation. TensorFlow can automatically compute derivatives for you. It is very convenient if you love gradient-based machine learning algorithms like Stochastic Gradient Descent.

4. Python interface! However, it has a

C.Vishnu Priya

Assistant Professor, Dept of I.T

First Bullet train Mumbai to Ahmedabad
How Many Nobel Prize Awards are Given Each year?
6 (Literature, Medicine, Physics, Chemistry, Peace and Economics)

S. Valarmathi

B.Sc (CS), 2015 - 2018

Biological Alphabets

A-Angiosperm
C-Chordate
E-Eukaryotes
G-Gymnosperm
I-Insects
K-Karyotype
M-Monocotyledons
O-Orthropodes
Q-Quail

S-Symbionts
U-Uterus
W-WBC(White Blood Cell)
Y-Yolk

B-Bacteria
D-Dicotyledons
F-Flora
H-Hybrid
J-Jejunum
L-Larvae
N-Nematodes
P-Prokaryotes
R-RBC(Red Blood Cell)

T-Taxonomy
V-Virus
X-Xenobiotics
Z-Zygote

Ms.G.Mareeswari,
Assistant Professor, Dept of BioTech

Facts

1. There are more than five thousand new computer viruses released in every month
2. The House of Bill gates was designed using a Macintosh computer
3. More than 80% of the emails sent daily are spams
4. The Original name of Windows was “Interface Manager”
5. Douglas Engelbert invented the first computer mouse in 1964 which was made of wood

Riddles

1. Can You name three consecutive days without using the words Monday, Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday?

Yesterday, Today and Tomorrow
2. A man was born in 1955, How is it today is his 18th birthday?

He was born in Room.No:1955 of the hospital

P.R.Chowmya

B.Sc (CS), (2015-2018)



P.Mala

B.Sc (CS) 2014-17



SKC ALUMNI

Connects 'U' with your classmates

A Newsletter published from : **SRI KALISWARI COLLEGE (Autonomous), SIVAKASI - 626 130, TAMILNADU, INDIA**

(Autonomous - Co-Educational - Affiliated to Madurai Kamaraj University, Madurai - Re-accredited with 'A' grade by NAAC with CGPA of 3.30)

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September 2018-2019

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Principal

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Co-ordinator, Alumni Association

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Mrs.A.Sankar Gomathi
Mrs.D.Jemimah Sweetlin

About the College

Sri Kaliswari College is a renowned centre for learning, established by Sri Kaliswari Trust with a strong philanthropic urge to provide quality higher education of international standard by means of qualified and dedicated teachers and exquisite infra-structure facility.

Sri Kaliswari College is marching towards excellence with the mission of “Providing Innovative Higher Education in the process of Nation Building”.

Now the College offers a record number of fifteen Under-Graduate courses and as many as eight Post-Graduates. In Addition to these, five research programs and eight job oriented Certificate/ Diploma Courses are also offers. A tie-up program me with ICWAI and ACS , Madurai chapter helps the students undergo the preliminary examinations for ICWAI and ACS courses. The UGC has granted permission for starting a Community College in 2015-2016.

About the Alumni

Alumni Association of Sri Kaliswari College was formed in the year of 2004-2005 comprising 144 alumni of the first and second batches.

Shri.A.P.Selvarajan, Secretary of this institution inaugurated the alumni association in a function held on 30th March 2005.The alumni were enrolled annually in the beginning. Now they enrolled annually in themselves as life members. The alumni visit their alma mater often and several meetings are arranged to create awareness among the outgoing students about their future

prospects. An Alumni book bank is created to issue books to our students.

At present, there are twenty seven alumni staff rendering their services to this institution. The newsletter is another milestone in our journey. From the inception of the college, the alumni association of our college and fine arts programs for the student community.

Every year our college SKC Alumni Association celebrates the Fine Arts Day.

From the Editorial Board

It is with profound feelings of joy and gratitude that we release the eighth edition of SKC – Alumni into the hands of the academic community at large and particularly the alumni. Of course this newsletter gives a golden opportunity to nourish you evergreen memories at the SKC campus besides building loyalty towards Alma Mater.

Again, it makes you aware of the academic achievements made in your institution after your graduation. The Alumni's significant contribution to promote , influence and support educational, cultural and social life of their Alma mater by Organizing a number of events have not only highlighted but also appreciated. We are confident that Alumni Association would play major role in more activities in the year to come also.

From our Secretary

It is marvelous to find a positive and healthy response from our Alumni every academic year. It Shows their love and gratitude towards their Almamater. The eighth issues of the Alumni Newsletter throw light on energetic and enthusiastic activities of the Alumni Association. Our Alumni Association always concentrates on the welfare of the poor and downtrodden in the society. I can feel the humane tendency behind their dedicated and devoted service. Our Alumni's Creativity and histrionic potentials are fostered and nurtured through their contribution of articles to

Association will continue its endeavors with the same spirit in the ensuring years and I convey my best wishes to the Alumni and the Association.

From our Principal

The Alumni Association of Sri Kaliswari College is being gradually strengthened by the regular activities and timely sponsorships. Let us hope to bind the out gone Kaliswarians by the strong ropes, newsletters and the annual meetings which give the feeling of oneness.

Alumni Day Celebration

On 10th September 2017 , the 12th Alumni Day was Celebrated **Shri.A.P.Selvarajan**, Secretary, gave the presidential address.

Departments	No.of.Alumni attended
Physics	05
Computer Science	20
Commerce	40
Bio Technology	05
Information Technology	10
Management Studies	10
English	10
Mathematics	20
Tamil	10
Chemistry	10
Computer Applications	15
Commerce(CA)	10
PG Commerce	10

Fine Arts Day Celebration:

On 9th January 2018,the Alumni Association conducted eight Competitions. Nearly 150 students from various departments participated enthusiastically and exhibited their talents.



Fine Arts Day Celebration 2018

SKC Alumni

S.No	Name of the Competition	I Prize	II Prize	III Prize
1.	Dance for Tune	M.Vinothini II BA (Tamil)	T.M.Naveena II B.Sc(Maths)	A.Bhavani II B.Sc(Maths)
2.	Paper Folding	S.Selvi I M.Sc (Maths)	P.Kanagaraj III B.Sc(THA)	K.Hemalatha I BA(Tamil)
3.	Soap Carving	S.Shobanadevi II B.Sc (Maths)	M.MeenaDevi II B.Sc(C.S)	M.Subathra II B.Sc(Maths)
4.	Paper Quilling	S.Ramya I.B.Com(C.A)	S.R.Manisha Devi II B.Sc(C.S)	K.Santhiya II B.Sc(Maths)
5.	Play with words in Tamil	S.ShobanaDevi II B.Sc (Maths)'B' P.Pavithra II B.Sc (Maths)'B'	R.Aruna Devi III BA(Tamil) S.Nagarani III BA(Tamil)	R.Gowsalya III BA (Tamil) M.Maheswari III BA(Tamil)
6.	Art From Waste	G.M.Kabilan III B.Sc (BT)	M.Aruputha Ramya II M.Sc(BT)	J.Pricilla Margret II B.Sc(Maths)'B'
7.	Face Painting	K.Diya-I B.Com(R) S.Balasundari I B.Com(R)	M.Aruputha Ramya II M.Sc(BT) A.Subiya II M.Sc(BT)	G.M.Kabilan II B.Sc(BT) M.Naryanan III B.Sc(BT)
8.	Solo Dance (Boys)	P.Manikandan II B.Sc (THA)	J.Moses Ajithan II B.Sc(Bio-Tech)	M.Kaleeswari II B.Sc(Bio.Tech) P.Karthick-II B.Sc(IT)

Teacher's Day Celebration

On 4th September 2018, the Alumni Association of our college celebrated the Teachers Day. As a part of teacher's day celebration, competitions were conducted for the faculty members and the winners were awarded prizes. Dr.S.Ramkumar Associate Professor ,Arulandar College Karumathur, Madurai (Dist),was the chief guest.

The alumni took classes for the III UG Classes. Details of the alumni guests from each department is as follows.

- ☞ Department of Tamil – 10
- ☞ Department of Physics – 05
- ☞ Department of Commerce – 07
- ☞ Department of Computer Science – 01
- ☞ Department of Commerce(CA) – 10
- ☞ Department of HM&CS – 02
- ☞ Department of Bio Technology – 06
- ☞ Department of Botany – 06
- ☞ Department of Management Studies – 03
- ☞ Department of English – 15
- ☞ Department of Computer Applications – 06
- ☞ Department of Information Technology – 10
- ☞ Department of Chemistry – 06
- ☞ Department of Mathematics – 10
- ☞ Department of PG Commerce – 07

Office Bearers' Meeting

On 17th August, 2018 the office-bearers meeting was held on the college campus.

Interest - free Loan to Students

Our Alumni Association extends interest - free loans to the needy students.

The Beneficiaries of the current academic year 2018-2019 students,

Name & Class	Amount (Rs.)
M.Meenadevi-III B.Sc(CS)	22425
I.Jeyaprabha -III B.Sc(CS)	12750
M.Saravana-III B.Sc(CS)	13300
G.Harish -III BCA	9450
S.Nagapriya-III B.Sc(IT)	9495
R.Vignesh- III B.Sc(IT)	9450
M.Kodeeswari- II B.Sc(IT)	10100
M.Saravanakumar-II B.Sc(IT)	7650
P.Prathab Singh-III B.Sc(Bio-Tech)	9450
S.Kaleeswari-II B.Sc(Botany)	7650
R.Karthika-III B.Sc(Bio-Tech)	10770
S.Mareeswari-III B.Sc(Bio-Tech)	9450
M.Kartheeswari-III B.Sc(Bio-Tech)	7500
S.Muneeswaran-II B.Sc(CS)	10740
S.Rooba Ganesh-III BBA	8790
S.Maheswari-II B.Sc(Botany)	7650
S.Jeevananth-II B.Sc(Bio-Tech)	9780

உயர்ந்த இடத்தில் இருக்கும்
எவராலும் விலைக்கொடுத்து
வாங்க முடியாத ஒன்று
அனுபவம்....

ஜெ.ஜெயந்தீஸ்வரி, M.A. தமிழ், 2014-16

எனது பதினேழாம் வயதில் நான் ஒரு கூண்டிற்குள் நுழைந்தேன் வருத்த மடைந்தேன் பிறகு சிரித்தேன், மகிழ்ந்தேன் இறுதியில் பிரியும் வேளையில் அழுதேன் அப்போது தான் தெரிந்தது - இது கூண்டு அல்ல என் நண்பர்களோடு இணைந்து மகிழ்ந்து இருந்த சொர்க்கம் என்று எனது இருபத்தொன்றாம் வயதில் நான் என் நண்பர்கள், கல்லூரியை நான் பிரியும் வேளையில் நினைத்தேன் மீண்டும் கிடைக்குமா? என் நண்பர்களின் தோளும் என் கல்லூரி தாயின் மடியும்

இரா.அருணாதேவி
B.A. Tamil, 2015 - 2018

Invisible Eye

Invisible eye an advanced security system is mainly designed to use a single camera to perform the security. One can design the model using different sensors like motion sensor, vibration sensor, the motion sensor detects the motion of a human being in that particular area where a sensor is placed. Once the sensor, senses the motion or vibration it sends that information of motion to the Microcontroller. Here we are using stepper motor, wireless camera and also a PC.

PIC16F877A belongs to a class of 8-bit microcontrollers of RISC Architecture. PIC microcontroller is an amazing powerful fully featured processor with Internal RAM, EEPROM FLASH memory and peripherals

Working

Step 1: User enters the password, if password entered is correct the system starts else he is prompted to re-enter the password.

Step 2: If sensors sense any change, then an intrusion is detected. Else there is no intrusion.

Step 3: If intrusion is detected, then relay triggered, stepper motor rotates the camera starts recording and an e-mail is sent to the user.

Advantages:

· we can avoid having to wade through hours of footage of empty rooms.

· One can also avoid having to install multiple cameras to cover a single room.

· Cost required for the installation is very less compared to multiple camera based system.

· We can avoid hours of footage of empty rooms. Good view of the video footage can be obtained as camera turns 360°.

SKC Alumni

This work can be extended to completely eliminate the use of the microcontroller and instead use parallel port of the PC to monitor the sensors. Also advanced image processing techniques can be applied to track the intruder once his position has been identified.

In future we can provide a memory so that one can store the footage which is

P.Pandiaraj

B.Sc (CS), 2015-2018

Android

Android...Android...Android... Nowadays everybody talks about android. Let's see what it is!! Android is an Operating System for mobile devices such as smart phones and tablet computers. Android was developed by Polo Alto and Andy Rubin in the year of 2003. In the year of 2005 they hand over it to Google.

Why Android?

- Open Source
- Larger Developer and Community reach
- Increased Marketing
- Inter app Integration
- Reduced Cost of development
- Higher Success ratio
- Rich Development Environment

Android is better than iPhone. Apple Phones are attractive and lots of attention but still there are number of reasons people avoid buying iphones. The reason is Android Platform is better than Apple's Platform. Android version name tempting as the desserts they stand for.

- | | |
|-----------------------|----------------|
| 1. Alpha | 2. Beta |
| 3. Cupcake | 4. Donut |
| 5. Éclairs | 6. Froyo |
| 7. Gingerbread | 8. Honeycomb |
| 9. Ice Cream Sandwich | 10. Jelly bean |
| 11. Kitkat | 12. Lollypop |
| 13. Marshmallow | 14. Nougat |
| 15. Oreo | 16. Pie |

There are more than 24,000 different Android devices are available. As of the first quarter of 2018. As of that month, Android users were able to choose between 3.8 million apps.

If you drop a yellow hat in the Red Sea, what does it become? **Wet!**

What is black when you buy it, red when you use it, and gray when you throw it away? **Charcoal!**

Mrs.D.Jemimah Sweetlin

Assistant Professor, Dept of CS

அம்மா

தோல்வியை சந்தித்த எனக்கு வெற்றி எனும் பாதையை காண்பித்து வாழ்க்கை எனும் பாடத்தை கற்றுக் கொடுத்தவர்!

அப்பா

விரத்தை என் மனதில் நிறுத்தி இருண்ட என்னுடைய வாழ்வை வெளிச்சத்திற்கு கொண்டு சென்ற உன்னை உயிருள்ளவரை மறவேன்

சி.மாரியம்மார்
B.A. Tamil, 2014 - 2017

Do You Know??

- Apiology - study of bees
- Aerology - study of the atmosphere
- Caliology - study of bird's nests
- Cardiology - study of the heart
- Chirology - study of the hands
- Cosmology - study of the universe
- Cynology - scientific study of dogs
- Dendrology - study of trees
- Dermatology- study of skin
- Edaphology - study of soils
- Entomology - study of Insects
- Ergology - study of effects of work on humans
- Eschatology - study of death
- Fluviology - study of watercourses
- Geogony - study of formation of the earth
- Graminology- study of grasses
- Helcology - study of ulcers
- Hippology - the study of horses
- Hepatology - study of liver
- Lepidopterology - study of butterflies and moths

K.Kamala,
B.Sc (CS), 2012-2015

AUGMENTED REALITY

Augmented Reality (AR) is an interactive experience of a real-world environment whereby the objects that reside in the real-world are "augmented" by computer-generated perceptual information, sometimes across multiple sensory modalities, visual, auditory, haptic, somatosensory, and olfactory. In this way, augmented reality alters one's ongoing perception of a real world environment, whereas virtual reality completely replaces the user's real world environment with simulated one augmented reality is related to two largely synonymous terms: mixed reality and computer-mediated reality.

The primary value of augmented reality is that it brings components of the digital world into a person's perception of the real world, and does so not as a simple display of data, but through the integration of immersive sensations that are perceived as natural parts of an environment

The first commercial augmented reality experiences were used largely in the entertainment and gaming businesses, but now other industries are also getting interested about AR's possibilities for example in knowledge sharing, educating, managing the information flood and organizing distant meetings. Augmented reality is also transforming the world of education, where content may be accessed by scanning or viewing an image with a mobile device.

Augmented reality is used to enhance natural environments or situations and offer perceptually enriched experiences. With the help of advanced AR technologies (e.g. adding computer vision and object recognition) the information about the surrounding real world of the user becomes interactive and digitally manipulable.

G.Vignesh

Head & Assistant Professor, Dept of I.T

Five Best Apps for Business Travellers

Wi-Fi Finder

Wi-Fi is a necessity these days for professional road-warriors. Wi-Fi Finder is a free app that will search for free hotspots near you and worldwide. Especially if your trip allows you some downtime to catch up on email and other urgent items requiring Internet access, this app can keep you working as if you were back in your home office. It works both on or offline (though you must have access to data signals) to find you your connection, filtering results by location and provider type. This app is available on iOS and Android

Voxox: If you're traveling and need to stay in touch with colleagues without incurring roaming charges, consider turning to Wi-Fi-enabled communication app Voxox. This comprehensive communications service allows you to call and text for free or at a fraction of the cost of traditional cell carrier rates, no matter where you are. The free Voxox app is available on Android and iOS

Uber: While your company may not be willing to shell out the funds for car services to and from your hotel, conference, etc., you can still travel in style with mobile limo service app, Uber. Uber allows you to signal your need for a ride, prompting an out-of-service town car to pick you up. The app is free and available on both iOS and Android

Evernote: One of the biggest struggles associated with company travel is the need to stay organized. Evernote, the note-taking app that does so much more, has been around for a while, but is constantly updating with new features to keep you on track while on the road.. This app is available on most common operating systems including Android and iOS

Expensify: Keeping track of every receipt while on business is not only arduous, but also harder than you think. If your company requires you to expense items you purchase, you are surely required to submit receipts for those expenses. Expensify is a great solution to remedy this travel pain-point as it manages all of your expenses for you while on the road. This app is free and is available on Android blackberry and ios windows.

A.Sankar Gomathi
Assistant Professor, Dept of I.T

Laws of Success

- | | |
|--------------------------|---------------------------|
| The greatest sin | - Gossip |
| The greatest crippler | - Fear |
| The greatest mistake | - Quitting |
| The greatest blessing | - Good Health |
| The greatest opportunity | - The next one |
| The best thought | - God |
| The greatest Loss | - Loss of Self Confidence |
| The greatest need | - Common sense |
| The best play | - Successful Work |
| The greatest disease | - Ego |

S.Muthukumar

Assistant Professor, Dept of I.T