

CS

DECEMBER 2022 | ISSUE-03

HORIZON

DEPARTMENT OF
COMPUTER SCIENCE

e-Magazine

For Private circulation Only

→ BY THE STUDENTS

→ FOR THE STUDENTS

→ OF THE STUDENTS

TECHNOLOGY
NEWS

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NEUROMORPHIC
COMPUTING

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இயற்கை
மருத்துவம்

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EXCLUSIVE!

ASANAS
FOR
LIFE

PAGE --

3rd
EDITION

VIVEKANANDA COLLEGE

College with Potential for Excellence

Residential & Autonomus -A Gurukula Institute of Life Training
Re-accredited (3rd cycle) with "A" Grade (CGPA 3.59 out of 4.00) by NAAC
DBT Star College Scheme Funded

Affiliated to the Madurai Kamaraj University, Madurai
Managed by Sri Ramakrishna Tapovanam, Tirupparaitturai, Trichy

TIRUVEDAKAM WEST, MADURAI- 625 234, TAMIL NADU

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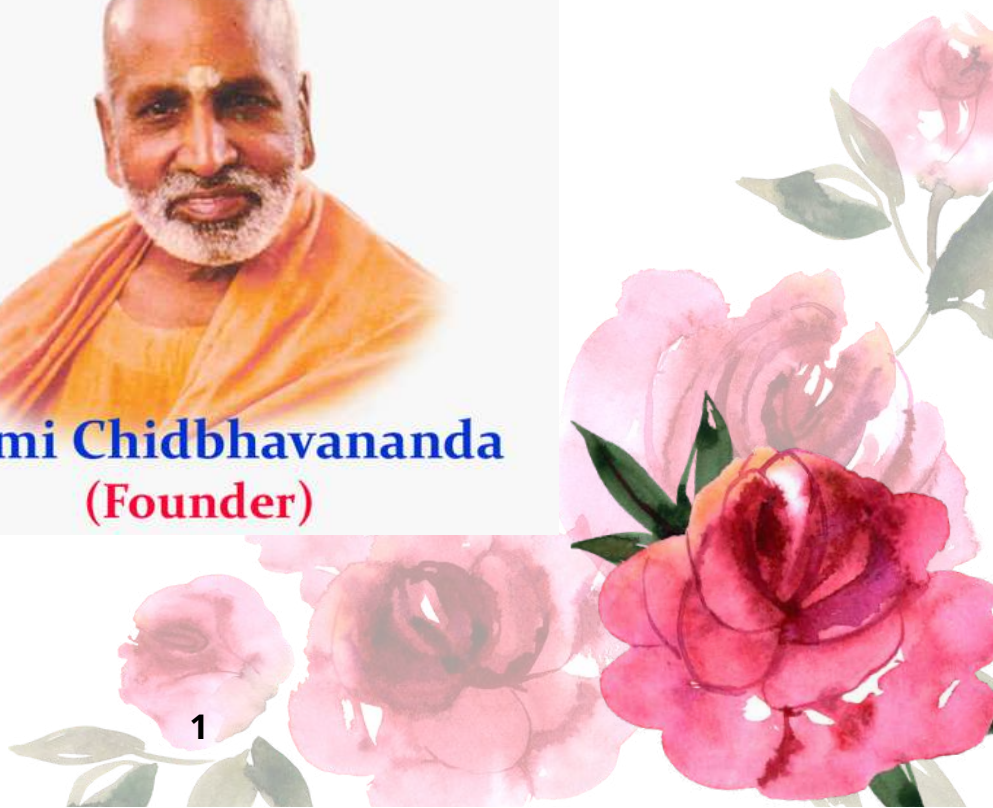
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Sri.C.RANJITH KUMAR

Assistant Professor of Computer Science



Swami Chidbhavananda
(Founder)



SECRETARY'S MESSAGE

Dear Reader(S),

Today changes are happening in all fields and disciplines day by day at a rapid pace like never before. **"Every things new is replacing old things."** In modern days, changes are happening in all fields and disciplines at a rapid pace like never before. Every citizen of this country has to keep themselves in pace, updated and be culturally relevant in everyday life. **"Learning is never ending and not limited to specific disciplines today."** Creativity, relevance and expertise are the keys to succeed in this changing dynamic world.

This e-magazine **"CS-HORIZON"** is a quest for never ending knowledge by the students and faculty of computer science surfing through all disciplines such as science, technology, arts, culture, history, literature and languages. The e-magazine, CS-Horizon aims to nurture creativity, article writing, dissemination of knowledge, poetry, facts, literature, cultural heritage, experiences of success and failures. I congratulate the computer science editorial team, students and faculty members who together contributed to release the third issue of this bi-Quarterly e-magazine, CS- Horizon.



SECRETARY
SWAMI VEDANANDA

KULAPATHY'S MESSAGE

Very much pleased to note that the Department of Computer Science of vivekananda college his publishing the third issue of the e-magazine "CS HORIZON"



KULAPATHY
SWAMI ADHYATMANANDA

Publishing an e-magazine is an innate nature for the future budding computer engineers. This e-magazine CS HORIZON will certainly become a platform to nurture article writing, do artistic work, provide technology updates, knowledge improving and sharing through e-media in this modern internet era. Publishing different topics related to computer science, reading, understanding, associating into a team, formatting, typesetting and publishing them as a compiled e-magazine will absolutely widen and uplift the student's knowledge on science, technology, arts, ecommerce, literature, culture, etc. A student study less in the class room but learn more in participating, supporting and publishing works this calibre. Let this e-magazine CS HORIZON reach all the student and faculty community in terms of readership, likes and healthy critics focussing growth, which in turn will enrich the knowledge of the students in their respective field of interest.

I wish a grand success to the third issue of the bi-Quarterly e-magazine CS HORIZON and my congratulations to all students of the department computer science, the faculty members and the editorial team who have made happen and I pray to the Trio to bless you all.

PRINCIPAL'S MESSAGE

I would like to congratulate, with great pleasure, the release of a third issue e-magazine in the name of "CS HORIZON" with the motto "Quest for Knowledge Never Ends" by the students of Department of Computer Science of Vivekananda College, Tiruvadakam West, Madurai.

This e-magazine is created, edited and published by the students of Department of Computer Science, and offers to share and exchange of research ideas, knowledge, experiences, implementations and results in the field of computer science.

It is my hope that this fine collection of articles will be a valuable resource for the readers of this e-magazine and therefore sincerely contribute to the submission of technical articles on all the areas of computer science.

I hope that this e-magazine will make a tangible difference in sharing articles.



PRINCIPAL
Dr. T. VENKATESAN

MESSAGE BY VICE PRINCIPAL



VICE – PRINCIPAL
Dr. K.KARTHIKEYAN

It gives me an immense pleasure to share my thoughts about the third issue of e-magazine 'CS Horizon' released by the Department of Computer Science of our college. I appreciate the initiative taken by the staff and students in bringing out a quality e-magazine highlighting the various innovative practices and activities of the department. The creativity and imagination of the students are reflected in the magazine which will encourage the youth to focus their attention in improving their creative and critical thinking skills. I believe that the contents of the magazine will be highly impressive and interesting for the reader. I hope this kind of opportunity given to the students will certainly help them to acquire the 21st century skills which will ensure a better professional career. I take this opportunity to convey my best wishes to the staff and students of the Department of Computer Science to continue their endeavour in publishing such quality e-magazine in future.

MESSAGE BY DEAN AND COE

It gives me immense pleasure to know that the Department of Computer Science is publishing its e-magazine.

Department magazine has a great educative value. They encourage student to think and write. In fact, young talents find its first exposure through this medium. The magazine also records the achievements and various activities of the department. I hope this publication would be successful in achieving these objectives.

My best wishes for the success of this e-magazine.



DEAN AND COE
Dr. G. SANJEEVI

HOD'S MESSAGE



HOD
Sri. G. BALAJI

Congratulations to the student and faculty associated to magazine committee for successfully publishing the third issue of departmental magazine "CS HORIZON".

"CS HORIZON" has created a platform which provides an opportunity to the students and staff to express their original thoughts on "Poems, Arts, Story and Technical topics".

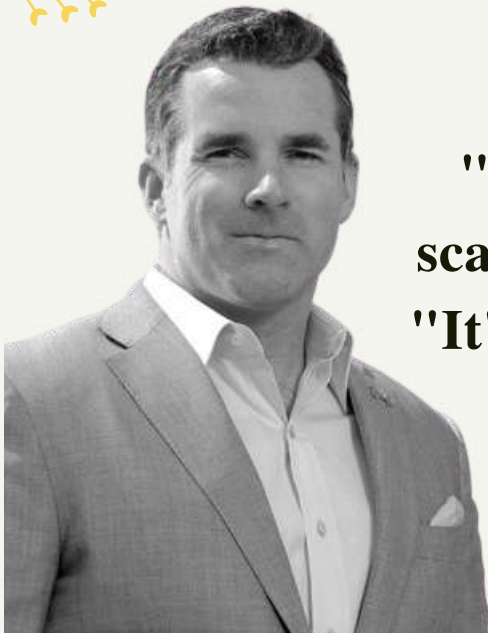
Students not only gain the knowledge about the latest technological developments and advancements through reading and writing articles but they also develop verbal and written communication skills.

It is a step towards building professional and ethical attitude in them. The entire journey of creating "CS HORIZON" is an outcome of rigorous effort made by students and faculty.

On concluding note, I would like to thank all the stakeholders for their involvement and encouragement and wish all the best for their bright future.



QUOTES BY SUCCESSFUL LEADER



"There's an entrepreneur right now, scared to death, making excuses, saying, 'It's not the right time just yet.' There's no such things as a good time."

- KEVIN PLANK
CEO, Under Armour

ABOUT THE COLLEGE

Vivekananda College, a Gurukula Institute of Life-training commenced its dedicated service in the field of Higher Education in June 1971, with the blessings of Swami Chidbhavananda Maharaj, our Founder President. The institution is located in the sprawling area of 100 acres of land at Tiruvedakam West in ideal rural surroundings amidst bounteous natural scenery all around on the northern bank of the river Vaigai. It is just 22 km away from Madurai. The College was conferred with the status of Autonomy in 1987. The College was reaccredited (III Cycle) with "A" Grade (CGPA 3.59 out of 4.00) by NAAC in 2015 (valid up to September 2022). The UGC granted the status of College with Potential for Excellence since April 2016. Our College has been awarded with DBT Star College by the Ministry of Science and Technology.

ABOUT THE DEPARTMENT

The Department was established during the academic year 1994-1995. The Department offers B.Sc. Computer Science Degree Programme and Eight Certificate Courses. M.Sc., Computer Science was offered during the 1998-2005. This department offers quality education at under graduate level. In addition to regular subjects various certificate courses are being taught to students. Every week Software Skill Development Programs are conducted to prepare the students for career opportunities in IT industry and for higher education. Computer learning program for school children is conducted frequently under extension activities.

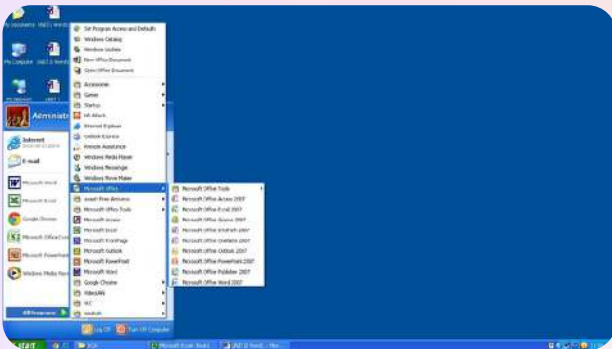


An Introduction to MS-Office

Office Packages

Office Activates & their software requirements & Office Packages-

MS Word
MS Excel
MS Power Point
MS Accesses
MS Outlook
MS FrontPage



MS Office

MS Office contains following application programs
Word, Excel, Power Point, Outlook, Access, Front page.

Word:

MS Word is the most famous & useful member of Office suite. With the help of application software by using word processing and Desktop publishing Memo, Resume, Report can be created. MS Word provides various features which works for the text.

1)Already available Templates and Wizards helpful in hard documentation.

2)Spelling checker corrects all the Spelling mistakes while typing and thesaurus provides the meaning and synonyms of the selected word.

3)With the help of Mail Merge two different file documents and database for mass correspondence can be merged.

4)Table feature helps to set the data in the form of Table.

5)With the help of Column Settings a document can be divided into multiple columns.

6)Auto correct feature automatically corrects the mistakes generally occurred in fast typing.

MS Office

Excel:

MS Excel is an application which is used to manipulate the data especially arithmetic data. Features provided by MS Excel makes the task easier.

- Templates –Templates are used for the standardization of data entry files which may contain typical formulas.
- Chart and mapping tools are available to represent the data graphically.
- Information List can be Sorted and filtered very quickly and easily..
- Importing and Exporting Tools are available to move the data in Excel or out of excel for example in Access or any other Database application.
- Auto correct feature automatically corrects the mistakes generally occurred in fast typing.

Power Point:

Power Point is the only application used to create Presentations. Presentations can be created on computer very quickly and easily with Power Point.

- Auto content wizard makes the creation of Presentation very easy.
- Completely designed templates of text and graphical slide formats are also available.
- Clip art library is available to provide various pictures related to various fields.
- Multimedia sounds and videos can be inserted in the Presentations.
- Various animation effects are available as graphical feature.
- With the help of Microsoft organization chart, organization chart be inserted in the Presentations.

Outlook:

Office suite members provide contact management, email client drive and folder management functionality. Outlook not only helps in time management but helps to manage our personal and professional contacts by the email management. Accession of regularly used information is centralized by it. This change can be easily viewed in Word, where we can use the storage of outlook in our document.

- Capacity to record projects, events.
- Screen dependent views of our daily, weekly, monthly& yearly Schedule.
- Capacity to print our schedule in various formats including famous Planner.
- Capacity to store many names, addresses, phone numbers, birthdates, anniversaries, email addresses with all hyperlinks of homepage with contact information.
- Ability to permit the rights to access our schedule & mail folder on network.

An Introduction to MS-Office

MS Access:

Database management can be done easily with the help of Access. Access is the only Application in Office suite where Database can be created very easily.

Characteristics of MS Access

1) Data base wizard helps us to create complete database including table & report as specified..

2) It provides features to create forms, data entry & filter & easy to manage.

3) Latest Report wizard – it can be used for professional looking report. Report design screen helps us to create professional looking report.

4) Macro conducts all repetitive tasks like data importing.

5) Visual basic can be used for Applications.

6) Built in HTML edits our data in World Wide Web.

Front Page:

Front page is a member of suite used to create a complete website. It has the features like wizards & Templates which are helpful to create as it . These features are as follows-

1) Wizards are helpful to create site by the selection of some Stereo type options. We have to select one of many choices & then click on next button and click on finish button after the creation of site.

2) WYSIWYG Editor helps us to write the page & to get the output. WYSIWYG means "What You See Is What You Get". Like as- We can write & format a Paragraph on screen and then take a view.

3) Published Wizards helps us to get our site on web.

Word processing

Whenever we create a new document file in any application program then whatever text we write should be in a sequence it should be in a standard form, for such kind of representation we use Word Processor.

In other words we can say that creation of words, creation of sentences, creation of a paragraph or creation of a page is quite simpler with the use of word processor. When we represent the text in such a sequence then the process is known as word processing.

Features of wordprocessing

Word wrap:

While typing any text when a program automatically changes a line i.e. after the completion of first line it automatically starts second line this process is known as word wrap.

Page Formatting:

It includes all the changes and settings performed on a page. For ex. 4 directional margins can be set, we can set header and footer also we can use Endnote by page formatting.

Paragraph formatting:

It includes the changes turn on a paragraph as per our need like as- we can set the starting point of the paragraph, line spacing of the paragraph, space between two paragraphs etc.

Text formatting:

It includes the changes made on the text as per our requirements we can change font of the text, we can change size of the text, we can make it bold, Italic or underline letters.

Editing of text:

If any kind of mistake occur by typing then we can change the text to correct it, like we can change the text, correct the spellings etc, this is known as editing of text. By using word processor we can also correct the spelling & check the grammar. We can also get the output of the file as a hard copy or soft copy.



Author

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BLOCKCHAIN TECHNOLOGY

BLOCKCHAIN TECHNOLOGY

Block chain is the collection of data and records which is stored in immutable ledgers. Block chain will helps to record transactions and tracking assets in the business network. It is a decentralized system. This is the basic definition of block chain technology. Now let's dive into detail, Block chain is the network which is connected with several computers to store your Data in a puzzle format .For example the data will split into several pieces and store into several computers which is in the block chain network. So it will become too difficult to hack, cheat (or) change data. Now let's see about the security of block chain. In the block chain can easily identify the fake data, only because the block chain will have the several copies of that particular Data in the block chain work, so that it can easily identify the fake data and reject it also.

Now let's come to the node, node is Nothing but it is a place where data will be store. Here one node is connected to another node and that node is connected to the next node and its form like a chain by using the hash code. Hash code will act as the chain of the node to connect multiple nodes together. So here each and every node have their own and unique hash code and it also have two hash code which is belongs to their next node only because to avoid an addition of fake node. For example if a user is adding a fake Node in between the two nodes the block chain can easily identify that fake node by comparing this hash code. Hash code is act as a fingerprint. For that node. So here the hash code will differ right. So in the block chain the addition of fake data and addition of fake node will be more complex for the users. Even though in the web 3.0 block chain plays a major role in it. cryptocurrency transactions is also going through this block chain network.

For the average users or a new comer they will feel more difficult to handle this block chain, Because we have a blocks, chain, hash code, cryptocurrency transaction etc... .So it became more complex for the average users. Generally block chain is very slow because we all know about the visa, visa can handle more than thousand Transactions per second but in the block chain it can handle only seventeen transactions per second. So it is impossible to handle huge transactions in block chain technology.

Block chain will create a security concerns. Why because people from everywhere in this world can see your transactions, they can't see your name or account number but They will used to see your id, so it creates some privacy concerns also. Block chain will consume huge amount of resources to store the data in the block chain network. So there will be wastages of resources in the block chain technology. 51% attack will create insecure of block chain network. For example if a user is adding a fake data for the 51% of systems which is the block chain network. So here 51% have a fake data and remaining 49% have original data but what happen in this case the majority wins right. So the block chain will go and remove the original data from the 49% and add the fake data which was done in the 51%.



By:
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TECHNOLOGY NEWS

OpenAI unveils GPT-4, a new foundation for ChatGPT



Artificial intelligence (AI) research firm OpenAI today revealed the latest version of its computer program for natural language processing that powers ChatGPT, the wildly hyped chatbot with a fast-growing user base.

The new GPT-4 large language model will be different from previous versions, offering what the company called a "multimodal system" that can process not just text, but images, video, or audio.

New Windows 11 update puts Bing Chat front and center

As part of Microsoft's new Windows 11 feature update, users will be able to access the company's new AI-powered Bing directly from the taskbar.

In a blog post announcing the update, Microsoft Chief Product Officer Panos Panay said "the search box is one of the most widely used features on Windows" and therefore combining it with the new AI-powered Bing will empower users "to find the answers [they're] looking for, faster than ever before."



New Quantum Computing Architecture



New Quantum Computing Architecture Could Be Used to Connect Large-Scale Devices. Jan. 5, 2023 — Researchers have demonstrated an architecture that can enable high fidelity and scalable communication between superconducting quantum processors. Their technique can generate and route photons

The Next Tech Revolution: Quantum Computing"
McKinsey & Company makes note that quantum computing is currently in its infancy

Ameca : The queen of artificial intelligence



AI-POWERED humanoid robot by the name of Ameca has just joined its fellow human employees at the Museum of the Future in Dubai, which will not just say hello to you, but also interact with you at the museum.

NANO ROBOT'S

Biohybrid nanobots could eventually remove blood clots from the brain without surgery, deliver drugs directly to organs, or assist with fertilization. Nanomedicine particularly focused on localized therapies to combat cancer and plenty of progress has been made.

Nanorobots are being used in various domains of pre-clinical and clinical medicine. In pre-clinical medicine, nanorobots are being employed in bioimaging and various delivery systems of drugs, gene therapy, living cells, and inorganic therapeutics.



By:
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இயற்கை மருத்துவம் துளசி

துளசி - *Ocimum tenuiflorum*
(Scientific Name)

துளசி வகைகள்:

- நல்துளசி
- கருந்துளசி
- செந்துளசி
- கல்துளசி
- முள்துளசி
- நாய்துளசி (கஞ்சாங்கோரை, திருத்துழாய்)
- காட்டுத் துளசி

மற்ற பெயர்கள்:

- துழாய் (நீல நிற துளசி)
- துளவம்
- மாலலங்கல்
- ஸ்ரீதுளசி
- ராமதுளசி

துளசியின் வளரும் தன்மை:

வடிகால் வசதியுள்ள குறுமண் மற்றும் செம்மண், வண்டல்மண், களி கலந்த மணற்பாங்கான இருமண், பாட்டு நிலம் தேவை. கற்பூரமணம் பொருந்திய இலைகளையும் கதிராக வளர்ந்த பூங்கொத்துகளையும் உடைய சிறுசெடி. தமிழகமெங்கும் தானே வளர்கின்றது. துளசியின் தாயகம் இந்தியா. அந்தமான் மற்றும் நிக்கோபார் தீவுக்கும் பரவியுள்ளது. துளசியை விதை மற்றும் இளம் தண்டுக் குச்சிகள் மூலம் பயிர் பெருக்கம் செய்யலாம். மண்ணில் கார அமில நிலை 6.5 - 7.5 வரை இருக்கலாம். வெப்பம் 25 டிகிரி முதல் 35 டிகிரி



துளசி பயன்கள்

- துளசி இலைகள் சாறு காய்ச்சல், சளி, இருமல் மற்றும் சுவாச பிரச்சினைகளை நீங்கி உடல் ஆரோக்கியம் தரும்.
- மேலும் துளசி இலை (Tulsi plant) சாப்பிடுவதால் மலேரியா, ஜீரண பிரச்சினை, காலரா போன்ற நோய்கள் நம்மை அண்ட விடாமல் பாதுகாக்கிறது.

கண் எரிச்சல் பிரச்சனைகள்:

- கருப்பு துளசி இலையின் (Holy basil in tamil) சாறு எடுத்து கண்ணில் அரிப்பு, எரிச்சல் ஏற்படும் போது அந்த சாற்றினை கண்களில் ஊற்றி கழுவி வந்தால் அரிப்பு, எரிச்சல் விரைவில் நீங்கும்.

சிறுநீரக பிரச்சனை:

- சிறுநீரக கற்கள், சிறுநீரக தொற்று உள்ளவர்கள் துளசி இலை சாறு எடுத்து அதனுடன் சிறிது தேன் கலந்து குடித்து வந்தால் சிறுநீரக கற்கள் மற்றும் சிறுநீரக தொற்று நீங்க உடல் நலம் போறும்.



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POEMS



சொல்லில் பெரிது தமிழ் சொல்லே....

தமிழ் நம் தாய்மொழி
அதை சுவைக்கச் சுவைக்க அமுதமொழி
செம்மை மிகுந்த செந்தமிழே
உன் மனம் வீசுதே இம்மண்ணிலே....

தேன் கூட்டில் இருக்கும் தேன் போல்
இருக்கும் என் தமிழே
உன்னை சிறுகச் சேகரித்திருக்கும்
தேனீக்கள் போல் நம் கவிஞர்கள் ...

மல்லிகையில் உன்
மனம் வீசும்
கம்பன் கவியிலும்
உன் புகழ் தானே பேசும் ...

துள்ளித் துள்ளி குதித்து
விளையாடும் மானைப் போல்
நீயோ ...என் நாவில்
துள்ளித் துள்ளி
விளையாடுகிறாய்
என் தமிழே

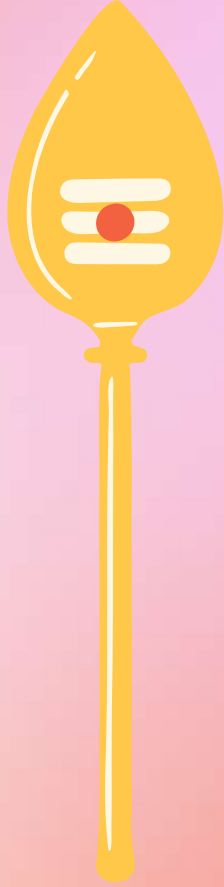




பெண்ணே வர்னித்து எழுத
ஒரு செயல் போதும்
ஆனால் உன்னை வர்னித்து எழுத
ஒரு சொல் போதும்
என் தாய்மொழி தமிழே



தமிழே நீ என்
இரண்டாவது அன்னையாக என்
நாவில் இருப்பவலே என்
அழகான தேன்மொழி
தமிழே



இயல் , இசை , நாடகத்திலும்
உள்ளாய் என் தமிழே...
இலக்கணத்திலும் நீ
உள்ளாய் என் தமிழே ...

இதனைவிட, கவிஞர்களின் நாடி , நரம்புகளிலும்
நீ உள்ளாய் என் , அழகான செந்தமிழே....
நீ வாழ்க , வாழ்க ..



By
C. Vasanthakumar
I B.Sc., Computer Science
Vivekananda College,
Madurai.



ASANAS FOR LIFE

PARIVRTTA PARSVAKONASANA



STEP-1



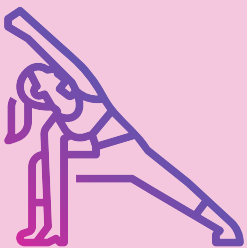
STEP-2



STEP-3



FINAL POSTURE



1. To begin, stand in the Mountain Pose keeping your feet four to five feet apart. Raise your arms keeping them parallel to the floor. Your palms must be facing downwards.
2. Exhale deeply and turn your right foot outwards keeping it at an angle of 90-degrees to the right. Turn the left foot inward 60-degrees to the right. Make sure that your right heel is in line with the left line.
3. Slowly bend your right knee till your thigh is parallel to the floor. Your right knee should be aligned over the heel and your calf must be perpendicular to the floor.
4. Keep your left leg stretched out.
5. Exhale deeply and turn your torso towards your right thigh. Bring your left arm to the outside of your right knee.
6. Place your left palm on the floor. Your left armpit must cover the outer side of the right knee..
7. Stretch your right arm over your right ear with your palm facing down.
8. Turn your head upwards and look straight.
9. Hold this pose for 20-30 seconds while breathing deeply.
10. To release the pose, lift your palm, straighten your torso and the leg, and return to the starting position of Parivrtta Parsvakonasana.

Benefits

- Strengthens and stretches the legs, knees, and ankles.
- Stretches the groins, spine, chest and lungs, and shoulders.
- Stimulates abdominal organs
- Increases stamina..
- Improves digestion and aids elimination.
- Improves balance.



NAUKASANA



STEP-1



STEP-2



STEP-3



FINAL POSTURE

Benefits

1. First, start by lying flat on a yoga mat with your back on the floor. Next, put your feet together and the arms to the sides.
2. Then, keep the arms straight with the fingers stretching outwards towards the toes.
3. Start by inhaling. Then exhale by lifting both your chest and feet from the floor. Next, stretch the arms towards the feet. Now, you should feel the tension in the stomach area. It happens due to the contraction of the abdominal muscles.
4. After this, you have to let your body rest on your butt. While doing this make sure that your eye is in line with your fingers and toes. Hold your breath for a few seconds and remain in this position.
5. Gently exhale as you go back to the starting position and relax. You can perform 3 to 4 reps every day. But ensure that you do not overdo it.

- It strengthens the arms, thighs, and shoulder muscles.
- It helps to regulate blood sugar levels.
- The stimulating move while performing this pose improves and regulates digestion extensively. In addition, it alleviates gas formation and eases constipation.
- To improve the health of all the organs in the stomach, most importantly the pancreas, kidneys and liver.
- Increase the agility in the muscles of the shoulder and neck
- It is a perfect and effective pose to burn belly fat when practiced regularly.
- The stretching, compressing and relaxing motion makes the abdominal muscles tighten effectively.



By

**S. Pradeep,
III B.Sc., Computer Science
Vivekananda College,
Madurai.**

Drawing



When Lord Rama is remembered, Lord Hanuman automatically comes to mind.



Sleeping on a dragon's hoard with greedy, dragonish thoughts in his heart, he had become a dragon himself.

By

S. YUVARAJ

I B.Sc., Computer Science,

Vivekananda College, Madurai



PHOTOGRAPHY



**If you don't think of the future,
You won't have one**



**Life is like a flower , it grows into
something beautiful.**

**By
G.V Keerthivasan
III B.Sc.Computer Science**



DEPARTMENT ACTIVITIES

STUDENT ACHIEVEMENTS

27 students of I, II and III of B.Sc., Computer Science accompanied with P.Gopinath, Assistant Professor, Department of computer Science attended inter-collegiate meet **NPR TALENZIA 2K22 held on 30.09.22, organized by Department of computer science, Information Technology and Computer Application of NPR college, Natham, Dindigul(Dt).** Students are participated in Quiz, Paper Presentation, Debugging, Coding, Hardware Assembly, Treasure Hunt, Working Model, Logo Design, Art From E-Waste, Digital Poster Making, Face Painting, Rangoli, Fashion Show, As You Like It and Dance and **won 1 st Prize in As you like it, 2 nd Prize in Hardware Assembly.**



12 students comprising of I, II and III of BSc Computer Science, accompanied with P.Gopinath, Assistant Professor, Department of computer Science attended inter-collegiate meet **EYIS-2K22 held on 22.09.22, organized by Department of Information Technology, VHNSN college, Virudhunagar.** Students are participated in Quiz, Paper Presentation, Software Contest, Software Marketing, Software Marketing, Tik-Tok and Technical Mime.



13 students comprising of I, II, and III of BSc Computer Science, accompanied with P.Gopinath, Assistant Professor, Department of computer Science attended inter-collegiate meet **TECNEST-2K22 held on 18.10.22, organized by Department of Computer Science, Ayya Nadar Janaki Ammal College, Sivakasi.** Students are participated in Quiz, Paper Presentation, webdesigning, Treasure Hunt, Software Marketing and Art from E-waste. **The students won prize in 2 nd Prize in Software Marketing, 3 rd prize in Art from E-waste.**



12 students comprising of I, II, and III of BSc Computer Science, accompanied with C.Ranjith Kumar , Assistant Professor, Department of computer Science attended inter- collegiate meet **TECHVISTARA-2K22 held on 18.10.22, organized by Department of Computer Science, Lady Doak College, Madurai .** Students are participated in Quiz, Paper Presentation, Free Style Sketch, MIME and Art from E-waste. **The students won prize in 1 st Prize in MIME, 2 nd Prize in Free Style Sketch.**



S.Pradeep III B.Sc CS and J.Hariharan III B.Sc CS participated in **State Level Handwriting Competition – 2022 organized by Anaithu India Tamil Ezhuthalarkal Sangam and jointly organized Kavignan Padippagam.**



STUD TALK

Department of Computer Science organized **Stud Talk - Student Lecture Programme**. Sri S.Sriram of III B.Sc Computer Science welcome the gathering. **Sri A.Balaji and Sri S.Sivarajagopalan of III B.Sc Computer Science**, delivered and presented the topic on **"Java Server Page (JSP)"** and **Sri J.Hariharan, and Sri S.Jeyabalaganesh of III B.Sc Computer Science**, delivered and presented the topic on **"Java Data Base Connectivity (JDBC)"**. Vote of thanks was done by Sri N.N Shivashankar of III B.Sc Computer Science All the I,II and III year students of Computer Science participated in this Programme on **01.11.2022 at Department smart class room**. Master of Ceremony was done by Sri M.Bhuvaneshwaran of III B.Sc Computer Science.



Department of Computer Science organized **Stud Talk - Student Lecture Programme** Sri A.Mariraja of III B.Sc Computer Science welcome the gathering. **Sri M.Bhuvaneshwaran and Sri C.Gokul of III B.Sc Computer Science**, delivered and presented the topic on **"Servlet"** and **Sri S.Sriram, and Sri P.N.Mugizhan of III B.Sc Computer Science**, delivered and presented the topic on **"Remote Method Invocation"**. Vote of thanks was done by Sri S.Pradeep of III B.Sc Computer Science All the I,II and III year students of Computer Science participated in this Programme on **03.11.2022 at Department smart class room**. Master of Ceremony was done by Sri R.Sivaprasath of III B.Sc Computer Science.



WORKSHOPS

Department of computer science organized a **One Day Hands-on-Workshop In Digital Marketing Tools, Trends and Career Opportunities**. Shri. EZHIL RAJA, DM Consultant TATA Consultancy Services, Chennai delivered and presented the topic on **“Digital Marketing Trends & Insights”**. Shri. R. ELANGO VAN, DM Consultant TATA Consultancy Services, Cochin, Kerala delivered and presented the topic on **“Careers in Digital Marketing”**. our college 69 students from computer science department, 5 students from various departments and 40 students of various colleges are participated in this workshop held on 03.10.2022.



INDUSTRIAL VISIT TO CECRI, KARAIKUDI:

63 students comprising of I, II & III year BSc Computer Science, accompanied with Department staff members visited **CSIR-Central Electro Chemical Research Institute at Karaikudi on 26.09.2022 the foundation day.** The students visited the various scientific labs and scientists explained the purpose of the lab, equipment and the recent research projects undertaken by the Institute.



INDUSTRIAL VISIT TO M/S. GLOBAL SOFTWARE SOLUTIONS, TIRUNELVELI

63 students comprising of I, II and III year BSc Computer Science, accompanied with Department staff members visited to **M/s. Global Software Solutions, Tirunelveli** on **08.10.2022**.

Mr. Ponselkar founder and CEO of Global Software Solutions, Tirunelveli shared his knowledge about Project Management and various phases in Software Development Projects.



Software Skill Development Programme

Software Skill Development Program-5 was conducted by the Department of Computer Science on 29.09.2022 in AV hall. The programme started with the opening Prayer "OmSahanavavadhu". The welcome address was given by Vasanthkumar C (I-B.Sc CS). The code debugging event was conducted by Siva Prasath R (III-BSc CS). A paper was presented by Yashwanth B (II-BSc CS), Shriharan B (II-BSc CS). Tech quiz was conducted by Hariharan R (II- BSc CS), Pravin R (I-BSc CS). The As You Like It event was enacted by Muhilan PN (III-BSc CS), Mathavan M (I-BSc CS), Pradeep S (III-BSc CS), Sudeep Ram V (I-BSc CS), Vasanthakmar C (I- BSc CS), Hariharaprabhu P (I-BSc CS). The Yoga event was performed by Kameshkumar K (III-BSc CS), Sriram S (III-BSc CS). The Vote of Thanks was proposed by Ranjith S (I BSc CS). The programme was hosted by Hariharan J (III-BSc CS). The program ended by the closing prayer "Sarvebhavanthu".



Software Skill Development Programme

Software Skill Development Program-6 was conducted by the Department of Computer Science on 31.10.2022 in Department smart class room. The programme started with the opening Prayer "OmSahanavavadhu". The welcome address was given by Surendhar R (III-B.Sc CS). The code debugging event was conducted by Siva Prasath R (III-B.Sc CS). A paper was presented by Manikandaprabhu M (II-B.Sc CS), Ranjith I (I-CS). Tech quiz was conducted by Hariram T (II-B.Sc CS), Sudhakar S (II-B.Sc CS). The TECH APP was present by Rahul P(III-B.Sc CS), The PRODUCT REVIEW was presented by Vaakeesan M S (III- B.Sc CS). The VOTE OF THANKS was given by Rivin C (III B.Sc CS). The program was HOSTED by Shriharan B (II-B.Sc CS). The program ended by the closing prayer "Sarvebhavanthu".





Faculty Participation

Sri G.Balaji, Assistant Professor and Head, Department of Computer Science participated in the International webinar **“Design Thinking on innovation and life skills” conducted by Department of Computer Technology, Shri Nehru Maha Vidyalaya College of Arts and Science Institute of Management, Coimbatore on 28.10.2022.**

Sri S.Muthuganesh, Assistant Professor Department of Computer Science participated in the International webinar **“Design Thinking on innovation and life skills” conducted by Department of Computer Technology, Shri Nehru Maha Vidyalaya College of Arts and Science Institute of Management, Coimbatore on 28.10.2022.**

Sri C.Ranjithkumar, Assistant Professor Department of Computer Science participated in the International webinar **“Design Thinking on innovation and life skills” conducted by Department of Computer Technology, Shri Nehru Maha Vidyalaya College of Arts and Science Institute of Management, Coimbatore on 28.10.2022**

Sri P.Gopinath, Assistant Professor Department of Computer Science presented a paper entitled **“Artificial Intelligence in Education” in 2 nd international Virtual Conference on “AI for sustainable Development – Challenges and Opportunities” organized by school of Commerce, VET institute of Arts and Science(co-education) College, Thindal,Erode, Tamilnadu on 25 th November 2022.**

World Championship in yoga

Appreciations from the STAFF and STUDENTS of Department of Computer Science, Vivekananda college, Tiruvedakam west, Madurai.



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