

K.S.Rangasamy College of Arts & Science

K.S.R Kalvi Nagar, Tiruchengode

Issue #113

January 2018



**Department of Computer Science and
Applications**



Ishare

PATRONS

Lion.Dr.K.S.Rangasamy, MJF

Founder & Chairman

Mr. R. Srinivasan

Vice-Chairman

ADVISORS

Ms. KavithaaSrinivashaan, M.A.,M.B.A.,

Executive Director

Dr. V. Radhakrishnan, Ph.D.,

Principal

Ms. S. Padma, M.C.A., M.E., M.Phil.,

Head, Department of Computer Applications

Mr.J.Tamilselvan, M.Sc., M.E., M.Phil.,

Head, Department of Computer Science

EDITOR

Ms.R.Nirmala M.Sc.,M.C.A.,M.Phil.,

DESIGNER

Ms.R.Nirmala M.Sc.,M.C.A.,M.Phil.,

Editorial

We would like to wholeheartedly thank our honorable Chairman, Secretary, Executive Director and Principal for their continuous encouragement and constant support for bringing out the magazine. We profoundly thank our Head of the Department for encouraging and motivating us to lead the magazine a successful one right from the beginning. Ishare serves as a platform for updating and enhancing upcoming technologies in Information and Communication. We are grateful to all the contributors to this magazine so far. The magazine has been sent to almost 60 Institutions in and around Tamilnadu. So far we have received feedbacks and appreciations from various Institutions.

We would be very pleased to receive your feedbacks. Please send your feedbacks to ishare@ksrcas.edu

By,

Editorial Board

CONTENTS

S.NO	TOPICS	PAGE
1.	TECHNOLOGY TRENDS	4
2.	TREE LEAVES INTO ELECTRONIC DEVICES	8
3.	<u>SEARCH ACRONYMS IN SITES</u>	11
4.	SMARTWATCH THAT TRACKS EVERY MOVE	19
5.	TOP FREE EDUCATION APPS	23



The top 10 technology trends predicted to reach adoption in 2018 are:

1. **Deep learning (DL).** Machine learning (ML) and more specifically DL are already on the cusp of revolution. They are widely adopted in datacenters (Amazon making graphical processing units [GPUs] available for DL, Google running DL on tensor processing units [TPUs], Microsoft using field programmable gate arrays [FPGAs], etc.), and DL is being explored at the edge of the network to reduce the amount of data propagated back to datacenters. Applications such as image, video, and audio recognition are already being deployed for a variety of verticals. DL heavily depends on accelerators and is used for a variety of assistive functions.
2. **Digital currencies.** Bitcoin, Ethereum, and newcomers Litecoin, Dash, and Ripple have become commonly traded currencies. They will continue to become a more widely adopted means of trading. This will trigger improved cyber security because the stakes will be ever higher as their values rise. In addition, digital currencies will continue to enable and be enabled by other technologies, such

as storage, cloud computing, the Internet of Things (IoT), edge computing, and more.

3. **Blockchain.** The use of Bitcoin and the revitalization of peer-to-peer computing have been essential for the adoption of blockchain technology in a broader sense. We predict increased expansion of companies delivering blockchain products and even IT heavyweights entering the market and consolidating the products.
4. **Industrial IoT.** Empowered by DL at the edge, industrial IoT continues to be the most widely adopted use case for edge computing. It is driven by real needs and requirements. We anticipate that it will continue to be adopted with a broader set of technical offerings enabled by DL, as well as other uses of IoT.
5. **Robotics.** Even though robotics research has been performed for many decades, robotics adoption has not flourished. However, the past few years have seen increased market availability of consumer robots, as well as more sophisticated military and industrial robots. We predict that this will trigger wider adoption of robotics in the medical space for care giving and other healthcare uses. Combined with DL and AI, robotics will further advance in 2018. Robotics will also motivate further evolution of ethics.

6. **Assisted transportation.** While the promise of fully autonomous vehicles has slowed down due to numerous obstacles, a limited use of automated assistance has continued to grow, such as parking assistance, video recognition, and alerts for leaving the lane or identifying sudden obstacles. We anticipate that vehicle assistance will develop further as automation and ML/DL are deployed in the automotive industry.

7. **Assisted reality and virtual reality (AR/VR).** Gaming and AR/VR gadgets have grown in adoption in the past year. We anticipate that this trend will grow with modern user interfaces such as 3D projections and movement detection. This will allow for associating individuals with metadata that can be viewed subject to privacy configurations, which will continue to drive international policies for cyber security and privacy.

8. **Ethics, laws, and policies for privacy, security, and liability.** With the increasing advancement of DL, robotics, technological assistance, and applications of AI, technology has moved beyond society's ability to control it easily. Mandatory guidance has already been deeply analyzed and rolled out in various aspects of design, and it is further being applied to autonomous and intelligent systems and in cyber security. But adoption of ethical

considerations will speed up in many vertical industries and horizontal technologies.

9. **Accelerators and 3D.** With the end of power scaling and Moore's law and the shift to 3D, accelerators are emerging as a way to continue improving hardware performance and energy efficiency and to reduce costs. There are a number of existing technologies (FPGAs and ASICs) and new ones (such as memristor-based DPE) that hold a lot of promise for accelerating application domains (such as matrix multiplication for the use of DL algorithms). We predict wider diversity and broader applicability of accelerators, leading to more widespread use in 2018.

10. **Cyber security and AI.** Cyber security is becoming essential to everyday life and business, yet it is increasingly hard to manage. Exploits have become extremely sophisticated and it is hard for IT to keep up. Pure automation no longer suffices and AI is required to enhance data analytics and automated scripts. It is expected that humans will still be in the loop of taking actions; hence, the relationship to ethics. But AI itself is not immune to cyber attacks. We will need to make AI/DL techniques more robust in the presence of adversarial traffic in any application area.

Tree Leaves into Electronic Devices

New method converts tree leaves into electronic devices



The researchers ran a series of standard electrochemical tests on the porous microspheres to quantify their potential for use in electronic devices.

BEIJING: Scientists have discovered a new method to convert dried tree leaves into a porous carbon material that can be used to produce high-tech electronics.

Researchers from Qilu University of Technology in China used a multi-step, yet simple, process to convert phoenix tree leaves into a form

that could be incorporated into electrodes as active materials. The dried leaves were first ground into a powder, then heated to 220 degrees Celsius for 12 hours. This produced a powder composed of tiny carbon microspheres. These microspheres were then treated with a solution of potassium hydroxide and heated by increasing the temperature in a series of jumps from 450 to 800 degrees Celsius.

The chemical treatment corrodes the surface of the carbon microspheres, making them extremely porous. The final product, a black carbon powder, has a very high surface area due to the presence of many tiny pores that have been chemically etched on the surface of the microspheres.

The high surface area gives the final product its extraordinary electrical properties, said Hongfang Ma of Qilu University of Technology, who led the study published in the Journal of Renewable and Sustainable Energy.

The current-voltage curves for these materials indicate that the substance could make an excellent capacitor.

Further tests show that the materials are, in fact, super capacitors, with specific capacitances of 367 Farads/gramme, which are over three times higher than values seen in some graphene supercapacitors, researchers said. A capacitor is a widely used electrical component that

stores energy by holding a charge on two conductors, separated from each other by an insulator.




Super capacitors can typically store 10-100 times as much energy as an ordinary capacitor, and can accept and deliver charges much faster than a typical rechargeable battery.



For these reasons, super capacitive materials hold great promise for a wide variety of energy storage needs, particularly in computer technology and hybrid or electric vehicles.

The super capacitive properties of the porous carbon microspheres made from phoenix tree leaves are higher than those reported for carbon powders derived from other bio- waste materials, researchers said.


The fine scale porous structure seems to be key to this property, since it facilitates contact between electrolyte ions and the surface of the carbon spheres, as well as enhancing ion transfer and diffusion on the carbon surface.

**SEARCH ACRONYMS
IN SITES**

Site	Description / Author / Host
 All Acronyms - Technology Acronyms	<p>All Acronyms is the most comprehensive and user-friendly dictionary for all Technology acronyms and abbreviations. 3,132,382 Acronyms and Abbreviations, over 212,639 related to technology.</p>
 Acronym Finder	<p>A searchable database containing common acronyms and abbreviations about all subjects, with a focus on computers, technology, telecommunications, and the military. With more than 1,000,000 human-edited definitions (over 86,000 IT related), Acronym Finder is the world's largest and most comprehensive dictionary of acronyms, abbreviations, and initialisms.</p>
	<p>A computer-related acronyms searchable</p>

<p>The Ultimate Computer Acronyms Archive</p>	<p>database. The database is continually updated, meaning that new acronyms are added daily and are immediately visible. TUCAA contains approximately 11,153 acronyms.</p>
<p> V.E.R.A - Virtual Entity of Relevant Acronyms</p>	<p>Have you had a near nervous breakdown reading a computer magazine or manual? Here's the solution. Use either exact or fuzzy searches of the database. There is also a german version, Verzeichnis EDV-Relevanter Akronyme. V.E.R.A. contains approximately 12,010 acronyms and 1,080 URLs up to now. As a rule of thumb, about a hundred acronyms are being added every three months.</p>
<p> (SHS) Hacker Acronyms</p>	<p>(SHS) Hacker Acronym & Abbreviation Knowledgebase (SHS) HAAK is an extremely broad, but detailed list of acronyms and abbreviations in the fields of: Computer & Programming, Desktop Publishing & Video, Electronics, Embedded Systems, E-Mail & Chat Room,</p>

	<p>Automated Data Collection, Government & Military, Graphics & Compression, Hacker, Hacking & Cracking, Networking & Telecommunication, Robotics, Smart Phones, and Virtual Reality. One of the greatest searchable Hacker/Phreak/Cracker acronym lists available. Over 10,608 acronym & abbreviation entries; 1,681 with Internet links to additional information websites.</p>
<p>The Acronym Server (previously The Internet Acronym Server)</p>	<p>Yes, this is the Internet Acronym Server you know and love; we've just changed location and changed appearance. We've been collecting acronyms from all over the Internet for the best part of two decades. Now more mobile friendly. The Acronym Server contains approximately 33,666 acronyms.</p>
<p>Hanford Abbreviation & Acronym Directory</p>	<p>The Abbreviation & Acronym Directory is only a partial listing of Hanford Site acronyms and initialisms and is not intended to replace other reference</p>

	<p>materials. It is intended to provide definitions that are not available elsewhere. The Hanford Abbreviation & Acronym Directory contains approximately 14,865 acronyms.</p>
<p>NetLingo</p>	<p>The Largest List Of Text & Chat Acronyms With more than 82 million people texting regularly, it's no wonder you've seen this cryptic looking code! Commonly used wherever people get online -- including IMing, SMSing, cell phones, Blackberries, PDAs, Web sites, games, newsgroup postings, in chat rooms, on blogs -- these abbreviations are used by people to communicate with each other.</p>
<p> TechTerms.com Technology Acronyms</p>	<p>Tech Terms - Tech Acronyms TechTerms is a free online dictionary of computer and Internet terms. The goal of TechTerms is simple — we want to make technical terms easy to understand. Instead of using high-level terminology, TechTerms definitions are written in</p>

	<p>simple everyday language. We also believe that while definitions of computer terms are helpful, simple explanations of terms with examples are even better. Therefore, most definitions on TechTerms.com include real-life examples of how the term is used. Author/Host: Per Christensson, Sharpened Productions</p>
Babel	<p>A Glossary of Computer Oriented Abbreviations and Acronyms. Used to be updated 3 times a year (January/May/September). Newest version found on web was updated in May 2007 (Graciously mirrored by OOCities.org). Author: Irving Kind & Richard Kind, Current Primary Host Unknown (Please contact us if you know where a newer Babel is hosted) / Host: OOCities.</p>
Wikipedia's List of Computing and IT Abbreviations	<p>Wikipedia's edited list with links of computing and IT acronyms and abbreviations. Last Updated: January 10, 2017</p>

	Author/Host: Wikipedia
<p>Wikipedia's List of Information Technology Acronyms</p>	<p>Wikipedia's edited list of initialisms and acronyms in common and current usage by by members of the Information Technology community. The table contains only current, common, non-proprietary acronyms that are specific to Information Technology. Most of these acronyms appear in IT career certification exams. Last Updated: January 10, 2017 Author/Host: Wikipedia</p>
<p>The Unix Acronym List</p>	<p>This is the Unix Acronym List, a collection of explanations of frequently used acronyms in the computer world, especially in the Unix part thereof. Please note that the purpose of this list is to explain what the letters of the acronyms stand for, not to explain the acronyms themselves. The list does not include words with obvious meanings that are not abbreviations, however it does include words that are not abbreviations but whose</p>

	<p>meanings are not obvious.</p> <p>The list is organized into the following sections: ASCII Characters, C Header Files, C Functions and System Calls, Communications Protocols/TCP Services, Directories, Environment Variables, Files, File Formats, File Name Extensions, HTML Tags and Escapes, Internet Top Level Domains, Miscellaneous, Operating Systems, Organizations/Institutions/Companies, Programming Languages, Shell Built-Ins, Unix Commands, Unix Signals, and Unix Special Files. You can also access The Complete List.</p> <p>Last Updated: January 26, 2007</p> <p>Author/Host: Wolfram Rösler, Homepage of Wolfram Rösler</p>
<p>Tech Pedia's Mega List of Computer Acronyms</p>	<p>Here is probably the biggest list of computer acronyms collected on a single webpage. Refer and enjoy!!!</p> <p>Last Updated: September 15, 2008</p> <p>Author/Host: Abhinav Kaiser, Tech Pedia</p>

	(Blog) - The Matrix of Technology
 <p>The Hackers Acronym Chart</p>	<p>The Hackers Acronym Chart * Version Twelve [03/31/2000] * Created for The Hacking Community by The International Information Retrieval Guild.</p> <p>"In no way do we feel this chart is totally complete, but we feel its a good start for the novice or lazy hacker to quickly look up acronyms."</p> <p>Last Updated: March 31, 2000</p> <p>Author/Host: Mercenary, (IIRG) The International Information Retrieval Guild</p>
<p>Phrack Magazine Metal Shop Private's Acronyms</p>	<p>Telecommunication and Phreaking Acronyms from Phrack Magazine Volume Two, Issue 20</p> <p>Last Updated: December 10, 1988</p> <p>Author/Host: Various / Phrack Inc. / Taran King (Editor), Phrack Magazine</p>

SMARTWATCH THAT TRACKS EVERY MOVE



Future smartwatches will be able to better analyse and understand our activities by automatically discovering when we engage in some new type of activity.

LONDON: Scientists have created a new algorithm that enables smartwatches to not only record your exercise session but also detect when you are brushing your teeth or cooking, an advance that will provide a richer and more accurate picture of your daily life.

Current smart watches can recognize a limited number of particular activities, including yoga and running, but these are programmed in advance. The new method, developed by researchers from University of Sussex in the UK, enables the technology to discover activities as they happen, not just simply when exercising, but also when brushing your teeth or cutting vegetables.

Traditional models "cluster" together bursts of activity to estimate what a person has been doing, and for how long, researchers said. For example, a series of continuous steps may be clustered into a walk. Where they falter is that they do not account for pauses or interruptions in the activity, and, so, a walk interrupted with two short stops would be clustered into three separate walks.

The new algorithm tracks ongoing activity, paying close attention to transitioning, as well as the activity itself. In the example above, it assumes that the walk will continue following the short pauses, and therefore holds the data while it waits. "Current activity-recognition systems usually fail because they are limited to recognising a predefined set of activities, whereas of course human activities are not limited and change with time," said Hristijan Gjoreski of the University of Sussex.

"Here we present a new machine-learning approach that detects new human activities as they happen in real time, and which outperforms competing approaches," Gjoreski said.

"This new method for activity discovery paints a far richer, more accurate, picture of daily human life," said Daniel Roggen of University of Sussex.

"As well as for fitness and lifestyle trackers, this can be used in health care scenarios and in fields such as consumer behaviour research," he added.



TOP FREE EDUCATION APPS



1. BYJU'S – The Learning App

BYJU'S



Offline

2. U-Dictionary:
Best English
Learning Dictionary

Youdao.com



3. Hello English:
Learn English

Culture Alley



4. Easy Resume Maker for fresher & Experienced Format Smize



6. Train Details highlight indian apps



8. Photomath - Camera Calculator Photomath, Inc.



5. Hindi English Translator Kings & Queens



7. Top Interview Puzzles Gyroscoped Studios



9. #1 Exam Prep: Previous Year Paper, Ask Doubt, Quiz gradeup



10. Hindi English Translation
cemetery



12. Curiosity
Curiosity.com



14. Speak English in 30 Days - English Speaking App
DevelopItNowadays Solutions



11. Nam Pata Badle
Aadhar card me
Funkick



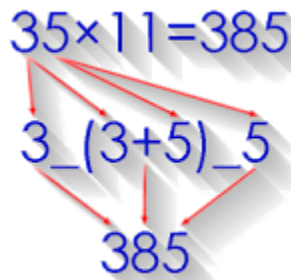
13. Duolingo: Learn Languages Free
Duolingo



15. Current Affairs GK - SSC IAS
IBPS Exam Prep Tests
OnlineTyari



16. Princess
Coloring for Kids
forqan smart tech



18. Math Tricks
Antoni



20. IBPS PO, RRB,
Clerk, SSC CGL &
Bank Exams
Oliveboard



17. Current Affairs
& Daily General
Knowledge Quiz
Testbook



19. Bank PO, IBPS,
SSC CGL, SBI GK
bankersadda



21.
SWAYAMPRABH
A
INFLIBNET
CENTRE, An IUC
of UGC



22. English
Speaking tips

AnjuApps



24. English
Speaking Practice

TalkEnglish



26. Daily Govt Jobs
2017

LMAppsTech



23. पढ़ाई में मन
लगाने के उपाय

All India App



25. Hindi GK 2017-
18

Gyan Badaye



एन सी ई आर टी
NCERT

27. NCERT Books

Philoid



28. Reasoning In Hindi

KNOWLEDGE GURU



30. Plantix - grow smart

PEAT



32. NCERT Solutions of NCERT Books

Meritnation



29. Sarkari Naukri App in Hindi

Fresherslive



31. Ramayan Ramanand Sagar

LavaKusa Apps



33. myCBSEguide - CBSE Guide & NCERT Solutions

Elpis Technology Solutions (P) Ltd



34. #1 Vocab App:
Editorial, Quiz,
Grammar,
Dictionary
WiFiStudy



36. GK & Current
Affairs 2017, GK
Tricks, SSC, IBPS
Mukesh Kaushik



38. JobsIndi ~
Latest Govt Jobs ,
Results, & Syllabus
Universal Time



35. enguru: Spoken
English App
Kings Learning



37. अंग्रेजी बोलना
शिखे
YouAreAwesome



39. Online Mock
Test Series App
gradeup



40. महानोकरी -
मराठी नोकरी संदर्भ
CampusKing



42. Translate
English to Hindi
Dictionary Offline
AllDictionaryApp



44. Hindi Alphabet
Genius Games



41. GK in Hindi -
सामान्य ज्ञान
Mahendra Seera



43. IBPS PO, Clerk,
RRB Officer,
Assistant, NTPC,
GATE
Testbook



45. spyboy
shubham kumar



46. Diploma in
Elementary
Education
(D.El.Ed.)

National Institute
Of Open Schooling



47. English
Speaking Course in
7 Days - Learn
English

SilverParticle
Solutions



48. Learn English -
अंग्रेजी सीखे

LMAppsTech



49. Improve
English: Word
Games

Knudge.me



50. Unacademy
Learning App

Unacademy



51. Clue Voot Tv
2017

LSC Team Inc



52. Learn English
from Hindi
HinKhoj



54. Skippy:
YouTube turned
into books
Plain Bagel



56. Kids Videos &
Nursery Rhymes
Looke Digital



53. Daily GK
Current Affairs
2017, GK Quiz,
Video
WiFiStudy



55. Hindi English
Translation, English
Speaking Course
Mukesh Kaushik



57. Daily Current
Affairs 2017 & GK
Quiz
Jagran, Jagran Josh,
OnlyMyHealth



59. Swayam

AICTE-SWAYAM



61. गणित फ़ार्मुला

Guru Balaji
Developer



63. GK Current
Affair 2017 Hindi,
GK Tricks, SSC,
IBPS

Mukesh Kaushik

**रेलवे लेगा
2017-18 में
2,50,000
पदों पर भर्ती**

60. RRB Exam
2017 - Railway
Preparation

StudyCircle247 -
Study Anytime
Anywhere



62. English
Grammar Book

Appsoft Infotech



65. Ghar Baithe
Computer Sikhe

iKrish Labs



66. Aadhar Card
Print
Santosh K Gupta



68. Computer
Course in Hindi -
Digital India
Make in India Apps



70. Meritnation -
CBSE ICSE &
More
Meritnation



67. Memrise: Learn
a new language
Memrise



69. ALL NCERT
BOOK
Mak_Tush



71. Kid Story: Hindi
Video Stories
JOHN SMITH



72. Gradeup School:
NCERT Solutions,
CBSE Class 8,9,10
gradeup



74. Learn English
with Marathi -
Marathi to English
DevelopItNowadays
Solutions



76. India Map &
Capitals
Islet Developers



73. english speaking
Course- 51 hr
Two Power



75. Hindi
Dictionary Offline
INNOVATIVE-
SOFTWARE



77. Math Tricks
Competitive Exam
flatron



78. NCERT Books ,
NCERT Solutions
Mukesh Kaushik



80. GK and Current
Affairs Hindi
Noble App



82. English To
Marathi Translator
AllDictionaryApp



79. नमाज़ का तरीका
- Manner of salat
Jabir Ali



81. ePathshala
NCERT



83. Hindi-English
Translator
Klays-Development



84. Daily Gk,
Current Affairs
Quiz
Achievers Apps



86. Speak English
in 30 Days
GOVERNMENT
EXAM MASTER



88. RTO Exam:
Driving Licence
Test
Pavans Group
Techsoft Pvt. Ltd.



85. World GK विश्व
सामान्य ज्ञान
tetarwalsuren



87. NIOS D. EL.
Ed. Course
Softek Solutions



89. Learn Spoken
English, Hindi,
Tamil & Kannada
FREE
Multibhashi - Learn
English

चाणक्य के
755
अनमोल विचार



90. चाणक्य के 755
अनमोल विचार

Viss Peram



91. Name Meaning
Hindi Mukesh
Kaushik



92. GK in Hindi
Latest Offline

Kode Guy



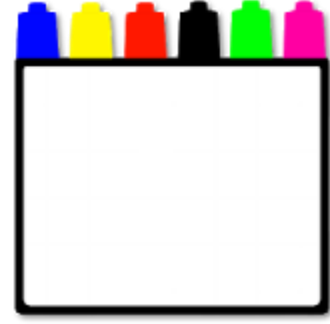
93. Aadhar Card -
Download/Update

Xmine



94. Bhartiya
Samvidhan Hindi
(Notes & MCQ)

Samarth App



95. Lucas'
Whiteboard -
English

Pablo Gallego
Falcón



DAILY UPDATES

96. SSC
MTS/CHSL/CGL/C
onstable/Stenograph
er Adda 2017

StudyAdda247



97. 1100 Math Tricks Rola Tech



98. Computer Shortcut Keys Sai Info



99. Navneet Navneet Education Limited



100. Offline English Dictionary ClickApps



101. Extramarks Smart Study Extramarks Education



102. Animal sounds - App for kids

Ursa Games



103. TED TED Conferences LLC



104. Discovery and invention Hindi



105. ABC Preschool Free Sound House LLC

MAILING LIST - To Whom We Send



- Mr.B.Murali, HOD of CS, PSG college of Arts and Science, Coimbatore- 14.
- Mr.P.Narendran, HOD of CS, Gobi Arts &Science College, Gobichettipalayam-53.
- Dr.PannirSelvam, HOD of CS, Erode Arts College (Autonomous), Erode - 09.
- Mr.S.SureshBabu, HOD of CS, Thiruvalluvar Government Arts College, Rasipuram.
- Dr.K.Thangavel, HOD of CS, Periyar University, Salem-11.
- Dr.P.Venkatesan, Principal, Vysya College of Arts and Science, Salem-03,
- Dr.P.Swaminathan, Dean, School of Computing, SASTRA University, Kumbakonam.
- Dr.S.K.Jayanthi, HOD of CS, Vellalar College for Women, Erode-9
- Dr.S.Krishnamoorthy, Dean, Anna University, Trichy-24.
- Dr. K. Rama, Deputy Adviser, NAAC, Bangalore.
- Dr.HannahInbarani, Asst Prof, Dept of CS, Periyar University, Salem-11.
- Dr.R.Balasubramaniam, Prof & HOD of CS, ManonmaniamSundaranar University, Tirunelveli.

- Dr.P.Jaganathan, Director, Dept of MCA, PSNA Engineering College, Dindugal-22.
- Dr.D.Venkatesan, SeniorAsst. Prof, Dept. of CS, School of Computing, SASTRA University, Tanjore-01.
- Dr. D.I. George Amalarethinam, Director, Department of MCA, Jamal Mohamed College, Tiruchirapalli - 20.
- Mr. B. Rajesh Kanna, Assistant Professor in Elect &Comm, Annamalai University, Chidambaram.
- Dr.H.FaheemAhmed, Asst Prof & HOD of CS, Islamiah College, Vaniyambadi - 02
- Dr. S. Leela, Controller of Examination, Periyar University, Salem-11.
- Dr. M.Manivannan, The Registrar, Periyar University, Salem-11.
- Prof.Dr.C.Swaminathan, Vice Chancellor, Periyar University, Salem-11.
- Dr.T.Santhanam, Reader& HOD of CA, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai -06.
- Dr.PremavathyVijayan, Vice Chancellor, Avinashilingam University, Coimbatore.
- Dr.R.S.Rajesh, Reader, Computer Science and Engineering, ManonmaniamSundaranar University, Tirunelveli-12.
- Dr.L.Arockiam, Associate Professor, Dept of CS, St. Joseph College, Tiruchirapalli-620002
- Mr.V.Saravanan, Associate Professor, Dept of CA, Hindustan College of Arts and Science, Coimbatore - 28.

- **Dr.R.Ravichandran, Secretary, Dept of CS, KGISL Institute of Technology, Coimbatore-35.**
 - **Dr. N.Sairam, Associate Dean, School of Computing, Sastra University, Tanjore - 01**
 - **Dr.T.Senthikumar, Asst Prof, Amrita Institute of Technology, Coimbatore - 12**
 - **Mr.S.T.Rajan, Sr. Lectr, Dept of CS, St. Josephs College, Trichy-02.**
 - **Dr.R.AmalRaj, Prof. Dept Of CS, SriVasavi College, Erode - 16.**
 - **Dr.R.Pugazendi, Assistant Professor, Dept. of CS, Government Arts and Science College, Salem-7.**
-



Laptops like the XPS 13 and Lenovo's Yoga 910 have beautiful edge-to-edge screens, a feature that may be included in more laptops next year. Also, 4K screens and HDR (high-dynamic range) technology will make games and movies look stunning. HDR results in more vivid images, and TVs, cameras and monitors supporting the technology are already available. Netflix is also doubling down on HDR. An HDR standards battle is brewing with DolbyVision and HBR3, but GPU makers are supporting both standards. AMD expects DolbyVision to ultimately win.