

Version: 1.0
Date: September 2020

readme.txt

message.exe



```
.  
. .  
. .  
>initiating message.exe....  
██████████100%  
>Displaying text  
The Computer Science & Engineering Department of our  
institution  
firmly believes in innovation and creativity  
moulding into fresh ideas that can make changes.  
>readme.txt is a combined effort put forth by the  
students and professors of the department.  
>This magazine is an all-round report of the  
last six months [Jan 2020 - June 2020] and some  
honorable mentions.
```

with love from.



B.S. Abdur Rahman

Crescent

Institute of Science & Technology

Deemed to be University u/s 3 of the UGC Act, 1956



Innovation seems to be the keyword for success in today's world. As the pandemic tries to disturb the normal way of life, human beings just thrust ahead with a unified effort to tackle the problems with the aid of computer and technology. While technology makes the new norm of social distancing possible, the lockdown has opened the creative minds to face the global threat. The Department of Computer Science and Engineering has brought forth this magazine "readme.txt" that showcases the creativity of the students of the department as well as the faculty members. This magazine is proof that any adversity can be turned to prosperity by those who open up to the idea of finding the silver lining in the dark cloud.

Pro Vice Chancellor: Dr. A. Peer Mohamed



ReadMe.txt is a magazine that shows how multifaceted the students of the CSE dept are along with the possible innovations that technologies harbor, separating it from feats that were previously thought impossible but are now a day to day reality. I wish great benefits to the authors and readers

Registrar: Dr. A. AZAD



The showcase of talent from well rounded peers is a means to motivate others that learn with them. The department which is pushing to be the best needed a voice, that has been provided through means of the ReadMe.txt magazine. The flooding in of ideas and art is truly remarkable, and I hope that it fuels the intrigue of the ones who are reading it as it has for me.

Dean, SCIMS: Dr. Venkatesan Selvam



The magazine was put in works before the pandemic, when a few students came up with the proposal to rekindle the department magazine. With sheer enthusiasm and with time on their hands due to the pandemic the students accomplished an applaud-worthy feat. The magazine showcases the thoughts and talents of the students giving us a glimpse into varied level of interests they have in things. With a little to offer to everybody, its a truly striking read.

HOD: Dr. E. Syed Mohamed

The CSE was established in 1990, one of the initial departments the college had. But that isn't the only reason why the department is special, the programmes are accredited by NBA and the department has an association with industrial giants like IBM. The following courses are a part of the Computer science department's umbrella:

- > B.Tech. CSE
- > B.Tech. CSE (IoT)
- > B.Tech. CSE (Cyber Security)
- > B.Tech. Artificial Intelligence & Data Science

#####

With wonderful placement and internship opportunities from reputed companies and an easy credit system, the students and faculty are at ease and find the learning-teaching process quite laid back and relaxed, but of course, effective.

The department believes in academic and extracurricular excellence, the laboratories and regular events reflect that very statement. Amidst all this, the CSE department has a very well equipped digital library with content for days, it serves its purpose, being useful to those who desire to acquire reliable information.

#####

Vision

The vision of the Department of Computer Science and Engineering is to impart quality education, inculcate professionalism and enhance the problem solving skills of the students in the domain of Computer Science and Engineering with a focus to make them industry ready, involve in possible areas of research, to pursue and have continual professional growth.



about_the_department.txt



Mission

- To equip the students with strong fundamental concepts, analytical capability, programming and problem solving skills.
- To create an academic environment conducive for higher learning through faculty training, self learning, sound academic practices and research endeavors.
- To provide opportunities in order to promote organizational and leadership skills in students through various co-curricular and extra - curricular activities.
- To make the students industry ready and to enhance their employability through training and internships.
- To improve department industry collaboration through interaction including participation in professional society activities, guest lecturers and industrial visit.

#####

reporting_the_events_JAN_to_JUNE_20.txt



>Eaton Internship Consulting Meeting

>February 7, 2020

>Samyuktha Prasanan from CSE - A, Year IV

The Eaton Internship Consulting Meeting with Eaton officials was held on 07.02.2020 in the seminar hall of the Electronics and Instrumentation department.

*Officials from the company had a formal visit and talked on the ways of collaboration with the faculty and HOD.

*Faculty with HOD had visited the company and the outcome was that four final year students were permitted for interdisciplinary projects.

eaton_internship_consulting_meeting.jpg



>Future of Cyber Security and Machine Learning
>in IT Career
>February 17, 2020
>Samyuktha Prasanan from CSE - A, Year IV

The school of Computer, Information, and Mathematical Sciences had organized a Seminar on "Future of Cyber Security and Machine Learning in IT Career" on 17.02.2020 in the Main Auditorium, Convention Centre of BS Abdur Rahman Crescent Institute of Science and Technology.

Dr. E. Syed Mohamed, Professor & Head, Dept of CSE welcomed the gathering and briefed about the seminar. Dr. Venkatesan Selvam, Dean (SCIMS) felicitated the gathering and highlighted the importance of Cyber Security and Machine Learning in an IT-oriented career. Dr. I.Sathik Ali, Prof & Head, Dept. of Information Technology, Dr. Gufran Ahmed Ansari, Prof & Head, Dept. of Computer Applications were present in the seminar. Followed by Ms. C.Vijayalakshmi, AP(SG)/CSE who introduced the chief guest, Mr.R. Manoj Kashyap, Certified Ethical Hacker & Network Engineer, Star Certification and Mr. Bivin Jacob, the Global Manager, Star Certification who insisted on the "Importance of Cyber Security & Ethical Hacking". The guests were honoured with mementoes and were welcomed with gratitude.

Future_of_Cyber....jpg



Future_of_Cyber....jpg



>Stepping Stones to the Future of IT Sector
>February 18, 2020
>Atchaya.A from CSE - A, Year IV

A campus visit to Atos Syntel was organized by the School of Computer, Information, and Mathematical Sciences and Department of Computer Science for final year B.tech students in order to get an idea of how an office atmosphere looks. They were able to visit the various departments and see how they functioned as an overview. This visit happened on the 18th of February 2020.

Mr.Santhosh Thomas, a Principal Specialist in Admin, handled one of the sessions that dealt with enacting the communication, public speaking, and leadership skills of the students. The students were made to participate in tasks that were given to them. All the effective participants were given gifts as a token of appreciation.

Mr.Murthy Srinivas, the Delivery Director handled a session on skill requirements for an employee. The visit was a hit and is still spoken about by the students. It's safe to assume it's grand impact.

Stepping_stones.jpg



Stepping_stones.jpg



>Field Visit to NIOT, Chennai

>February 28, 2020

>Samyuktha Prasanan from CSE - A, Year IV

On February 28, 2020, a visit was made to NIOT, Chennai. The objective of this visit was to meet Dr. Purnima Jalihal, Group (Head - EFW, SCIENTIST-G, Department of Civil Engineering, National Institute of Ocean Technology, Chennai) and discuss the project on Modelling of tsunami wave propagation.

The result of the program was,

*To create a lot of opportunities for the students and faculty members.

*Accepting requests for the student field trip to NIOT.

*NIOT extended its support to conduct the Seminars, Workshops, and Conference in the future.

*NIOT was also ready to support the student's internship programs in the future.



reporting_the....txt



>Emerging Trends in IoT
>February 29, 2020
>Atchaya.A from CSE - A,
>Year IV

The Department of Computer Science and Engineering organized a special guest lecture on "Emerging Trends in IoT" on the 29th of February, .2020 in the CSE Department Seminar Hall, BS Abdur Rahman Institute of Science and Technology. It was coordinated by Dr.S.Revathi Prof/CSE and Dr.N.Sabiyath Fathima, Asst Prof/CSE.

Mr.S.Vijay Anand, Assistant Vice President, Technology Software, and Digital BU,aLRan was introduced as the speaker of the day by Dr.N.Sabiyath Fathima. Dr.S.Revathi welcomed the students and briefed the program.

The impact of the recent technology of IoT in the current living environment was discussed in the session. This special lecture created awareness around the students and trends coming on IoT.

trends_in_iot.jpg



>Ethical Hacking & Cyber Security
>March 11th, 2020
>Samyuktha Prasanan from CSE - A, Year IV

The three days Short Term Training on "Ethical Hacking & Cyber Security" organized by School Of Computer, Information, and Mathematical Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, in association with ICT Academy, IFF & TEXIAL happened from 11.03.2020 to 13.03.2020.

The venue of the training was the Cyber Security Innovation Lab, SCIMS. The convener of the program was Dr. Venkatesan Selvam, Dean/ SCIMS. This program was coordinated by Dr. S. Pakkir Mohideen, Associate Professor / CA and Mr. Syed Abdul Syed S, Assistant Professor (Sr. Gr.) / CSE.

The inauguration session was addressed by the Dean of SCIMS, Dr. Venkatesan Selvan followed by the Presidential address given by our Honorable Pro Vice-Chancellor Dr. A. Peer Mohammed. The chief guest of the day, Mr. Suresh Kumar, Founder and Director of Texial and IFF labs, Bengaluru, and Mr. Mohit Kumar, Co-founder of Texial Innovations, Bengaluru, gave the inaugural address followed by the Vote of Thanks given by Dr. Pakkir Mohaideen.

ethical_hacking.jpg



reporting_the....txt



>Opportunities for higher education in the UK
>March 12th, 2020
>Atchaya.A from CSE - A, Year IV

The Department of Computer Science Engineering in collaboration with a centre for International Relations had organized a seminar on "Opportunities for higher education in the UK". This seminar was held on March 12th,2020 in the Seminar Hall, Convention Centre of BS Abdur Rahman Crescent Institute of Science and Technology. The event was coordinated by Mrs. S.P.Valli (AP- SelGrade(CSE)) and Dr.A.K.Ashfaq Ahamed (AP/CSE). Nearly 30 students from the second and third year of B.Tech- CSE actively participated.

Mr. Kathiravan Abranathan, Executive Director, and Mr. Nithi Sivaguru from ScotsHunt UK Ltd and ScotsGrad were the resource persons of the seminar. They encouraged the students with great passion and even shared information about job opportunities in the UK and how things work there.

oppurtunites_for....jpg



oppurtunites_for....jpg



reporting_the....txt



>Accelerate Your Career Through Excellence in RPA
>March 13th, 2020
>Samyuktha Prasanan from CSE - A, Year IV

On the 13th of March, 2020, 2:00 PM, a seminar on Blue Prism RPA, "Accelerate Your Career Through Excellence in RPA" was organized by the School of Computer, Information, and Mathematical Sciences in the Seminar Hall, Convention Centre of the BS Abdur Rahman Crescent Institute of Science and Technology. This event was coordinated by Mr. A. Niaz Ahamed (Asst. Prof / CA), Mr. N. Rajendran (Asst.Prof.(SG)/IT), and Mr. D.S. Manoj Kumar (Asst. Prof/CSE).

Mr.M Pradeep. Director of Information Technology in Netalla Innovations Pvt Ltd, Bengaluru was the resource person for this seminar. He was welcomed by all the Professors of the Computer Science Department. A large number of students (around 150 students) attended the seminar with great enthusiasm. He guided everyone with inspirational words and encouraged them to excel in their career path.

This seminar came to a conclusion with all the students determined to take the initiative for a bright future.



RPA.jpg



RPA2.jpg



reporting_the....txt



>The Importance of Skills and Abilities
>March 13th, 2020
>Samyuktha Prasanan from CSE - A, Year IV

The Department of Computer Science & Engineering had organized a Seminar on "The Importance of Skills and Abilities" on March 13th, 2020. The resource person, Mr. M.Arvind Kumar is a civil engineer & a post-graduate in management from XLRI with about 20 years of experience in teaching. Nearly 30 students from the 3rd year of B.Tech actively participated in it and took a lot of great information with them.

The seminar was held in the CSE department seminar hall and dealt with the advantages of having skills in the industry. The students were very attentive and learned a lot about why there is a lot of stress on the idea of having adequate skills to survive in the IT world.

RPA2.jpg



reporting_the....txt

>Webinars in assoc. with BrainSwig Edutech Pvt Ltd
>April 28th, 2020
>Mohammed Shoukath of CSE - A, Year II

Three Webinars on subjects related to CSE were conducted for the faculty members to bring them up to date with the latest technologies and industry standards.

Mr Dinesh Babu R, Managing director from BrainSwig Edutech hosted three webinars on the following subjects:

- *Advanced Business Analytics Using R Software (April 28, 2020)
- *Data Visualization using Tableau (April 30, 2020)
- *Machine Learning using Python (May 1, 2020)

These webinars were coordinated by senior faculty members; Mrs. R. Akila, AP (Sr.G)/CSE, Mrs. J.Brindha Merin, AP (Sr.G)/CSE, Mrs.D. Madhina Banu, AP (Sr.G)/CSE, Mr. D.S. Manoj Kumar, AP/CSE. These webinars are expected to provide more insight and relevant knowledge about current industry standards and technologies.

>loading

100%

LOCKDOWN EVENTS

intellect_2k20.txt

Intellect 2k20 by Hussain Barad of CSE B Year 3

Amidst this pandemic, to spread love, awareness, and knowledge to the student world, Intellect 2k20 was brought about by the Department of Computer Science And Engineering of B.S Abdur Rahman Crescent Institute of Science and Technology. Intellect 2k20 was all about conducting Covid-19 Awareness Events with a slight brush of Technology over it as all of our events were aimed to be informative and could participate at the comfort of Staying Home And Staying Safe!

There were a total of 8 events out of which 5 events were talent contests conducted for school, diploma and any UG college students and 2 events were COVID-19 awareness events conducted for all age groups. COVID awareness events were conducted via online portals and other talent events for students were conducted in online and offline mode.

With some fun general rules, the event was a huge success. What made it big was the dedication of the faculty and student coordinators.

The Faculty coordinators were:

Ms.Subhashini, Assistant Professor / CSE

Mrs.Radhika, Assistant Professor / CSE

Mr.V.Balaji, Assistant Professor / CSE

The Student coordinators were:

Vishaal, III yr B.Tech CSE 'A'

Rohith, II yr B.Tech CSE 'A'

Webinar on "Data Science, Artificial Intelligence and IOT": The New Normal on 26th June 2020

The Department of CSE conducted the live webinar on "Data Science, Artificial Intelligence and IOT" on 26th June 2020 for the students, scholars and teaching faculties which was Coordinated by staff members Mrs.C.Hema, Mrs.Madina Banu and Mr.V.Balaji. Mr. Imtiyaz Sheriff.C, Director, Ideassion Technology Solutions delivered the lecture in which he discussed the basic concepts used in the technology along with analyzing structured and unstructured data using different tools and techniques, building models for day-to-day applicability and performing the forecasting to take proactive business decisions. He projected a clear understanding of the importance of intelligent robots and future problems in the real world and inspired the audience by lively interaction on topics such as new trends in applying Data-driven and Machine Learning approaches for business decisions.

5 L 5D (5 Computer Languages 5 Days) Student Development Training Programme (15.06.2020 - 19.06.2020)

The Department of Computer Science & Engineering organized a programme 5 L 5D (5 computer Languages 5 Days) Student Development Training Programme (SDTP) for +2 and Diploma students. Five resource persons have handled 5 languages from 15th June 2020 to 19th June 2020, 'C' Programming by Dr. A. Ramachandran, 'C++' Programming Mrs. Madhina Banu, 'Java' Programming Mr. Manoj Kumar D.S and Mrs. C. Vijayalakshmi, and 'Python' Programming Mrs. C. Hema. This 5 days training programme was Coordinated by Dr.A.Ramachandran, Mr.S.Syed Abdul Syed and Dr.L.Arun Raj with an objective to explain the logical idea and features of programming languages and to compare one language with another in terms of performance, runtime and memory usage so as to help students to develop essential problem solving skills which are very important in this competitive world.

Webinar on Industry Integrated Teaching & Mentoring on 10th & 11th June 2020

The School of Computer, Information & Mathematical Sciences conducted the Webinar on Industry Integrated Teaching & Mentoring on June 10th - 11th June 2020 for teachers, research scholars, students and industry fraternities convened by Dr. E. Syed Mohamed (HOD / CSE), Dr. Venkatesan Selvam (Dean / SCIMS) and Professors of CSE department - Dr.X.Arputha Rathina, Dr.Sharmila Sankar and Mrs.S.P.Valli AP. The resource person MR. M.A.Gazali, MBA, Head Strategy, 3G IRPS, IIT Madras Research Park delivered the lecture which aimed to educate the staff members on the importance of industry integrated curriculum set up and educating the students' as per the industry's need and to groom the students towards placements in industry.

school_level_advisory_committee.xls

1	<p><u>Dr. Venkatesan Selvam Professor & Dean</u></p> <p>School of Computer, Information & Mathematical Sciences</p> <p>BS Abdur Rahman Crescent Institute of Science & Technology, Chennai-600048</p>	Chairmen
2	<p><u>Dr. D.Janakiram</u></p> <p>Professor, Dept. of CSE Indian Institute of Technology Madras, Chennai -600036</p>	Academics
3	<p><u>Dr. M. Manikandan</u></p> <p>Associate Professor Madras Institute of Technology, MIT Road, Radha Nagar, Chromepet, Chennai, Tamil Nadu 600044</p>	Academics

4	<p><u>Dr. V. Masilamani</u></p> <p>Assistant Professor of Computer Science</p> <p>Indian Institute of Information Technology, Design & Manufacturing (IIITDM) Kancheepuram, Melakottaiyur Village Off Vandalur-Kelambakkam Road, Chennai - 600 127</p>	Academics
5	<p><u>Dr. E. Syed Mohamed</u></p> <p>Professor & Head, Department of CSE</p> <p>BS Abdur Rahman Crescent Institute of Science & Technology, Chennai-600048</p>	HOD/CSE
6	<p><u>Dr. I.Sathik Ali</u></p> <p>Professor & Head, Department of IT</p> <p>BS Abdur Rahman Crescent Institute of Science & Technology, Chennai-600048</p>	HOD/IT
7	<p><u>Dr. Gufran Ahmad Ansari</u></p> <p>Professor & Head, Department of CA</p> <p>BS Abdur Rahman Crescent Institute of Science & Technology, Chennai-600048</p>	HOD/CA
8	<p><u>Dr.S.Rajasekaran</u></p> <p>Professor & Head Department of Mathematics and Actuarial Science,</p> <p>BS Abdur Rahman Crescent Institute of Science & Technology, Chennai-600048</p>	HOD/ Mathematical and actuarial sciences
9	<p><u>Dr. Saravanan Mohan</u></p> <p>Researcher India, Sony Ericsson</p> <p>Global Infocity, 9h Floor, Perungudi, Chennai</p>	Industry

10	<p><u>Mr. Srinivasan Thanukrishnan</u> CEO, Glosys Technology Solutions Pvt. Ltd. No. 6/2, Ethiraj Street, Padmanabha Nagar, Choolaimedu, Chennai - 600 094</p>	Industry
11	<p><u>Mr. Sam Jaba Singh V</u> Recruiting Associate Manager Accenture Solutions Private Limited, Chennai</p>	Employer
12	<p><u>Mr. Charles Godwin P</u> HR Leader. Zoho Corporation</p>	Employer
13	<p><u>Mr. Madurai Nihal Suhair</u> 2014 - 2018 Business Analyst Ideassion Technology Solutions LLP</p>	Alumni-CSE
14	<p><u>Mr. Sudharsana Raghavan S R</u> 2017 - 2019 software developer in Full Potential solutions, Chennai</p>	Alumni-CA
15	<p><u>Mr. Gurucharan Ramasamy Babu</u>, 2004 - 2008 Technical Architect, Tata Consultancy Services, Chennai.</p>	Alumni-IT
16	<p><u>Mr. Ashiq Mohd Ilyas (2013-15)</u> Research Scholar BSACIST</p>	Alumni - Mathematics and AS
17	<p><u>Mr. Srinivasa Ragavan R</u> TNEB -CI</p>	Parent - CA

school_level_advisory_committee.xls

18	<p><u>Mr. Bharani S.V.,</u> TN E-Governance Professional Consultant, Chennai. (F/O Arvind Bharani) <u>Mrs. Bragathalakshmi Bharani,</u> HR at Object Automation, Chennai. (M/O Arvind Bharani)</p>	Parent - IT
19	<p><u>Mr.R.Sarvathikarai</u> Construction Engineer L&T Tata steel Jindal Dangote, Chennai</p>	Parent - CSE
20	<p><u>Mr. Sudarsan. A</u> Sri Venkateswara Paper Emporium, Badrian Street, Chennai-600001</p>	Parent - mathematics and AS
21	<p><u>Mr.Deepak Bhimeshwar (2016-20)</u></p>	Student - CSE
22	<p><u>Arvind Bharani (2017-2021)</u></p>	Student - IT
23	<p><u>Mr. Abhishek, MCA (2019-21)</u></p>	Student - CA
24	<p><u>Ms. Tejaswini A S (2018-20)</u></p>	Student - Mathematics and AS

- C.Hema, Dr.Sharmila Sankar, Dr.Sandhya, "Tag count based priority scheduling algorithm for mitigating the RFID collisions" , Indonesian Journal of Electrical Engineering and Computer Science, DOI: 10.11591/ijeecs.v18.i1.pp434-442 ,April, 2020. [Scopus Indexed]
- D. Menega and S.Revathi, "An empirical study of cancer classification techniques based on the neural networks" Biomedical Engineering: Applications, Basis and Communications, Vol. 32, No. 2, 2020 [Scopus Indexed]
- Nabeena Ameen, Najumnissa Jamal, Arun Raj, "Optimized dual path analysis using finite automata theory in wireless sensor networks", International Journal of Intelligent Unmanned Systems, DOI: 10.1108/IJUS-11-2019-0060 May 2020. [Scopus Indexed]
- Azka, S.Revathi, "DDoS Detection and Alleviation in IoT using SDN(SDIoT-DDoS-DA)", Journal of The Institution of Engineers, <https://doi.org/10.1007/s40031-020-00442-z>, April, 2020. [Scopus Indexed]
- Azka, S.Revathi , "Ransomware Protection in IoT Using Software Defined Networking", International Journal of Electrical and Computer Engineering (IJECE), Vol, 10, No. 3, pp. 3166-3175, <http://doi.org/10.11591/ijece.v10i3.pp3166-3175>, June 2020. [Scopus Indexed]
- Niha Kamal Basha, Aisha Banu Wahab, "Single Channel EEG Signal for Automatic Detection of Absence Seizure using Convolutional Neural Network", Recent Advances in Computer Science and Communications, DOI : 10.2174/2666255813666191122114608, 2020. [Scopus Indexed]

- Dinesh Kumar K, Senthil P, Manoj Kumar D.S, "Educational Certificate Verification System Using Blockchain", International Journal of Scientific & Technology Research, ISSN 2277-8616, Vol.9, No. 3, pp.82-85, March 2020. [Scopus Indexed]
- Manoj Kumar D S; S. Venkatesan; A Ramachandran, "Flexible Data Access Control using Attribute-Based Encryption and Proxy Re-Encryption in Cloud Computing", Journal of Computer Based Parallel Programming, ISSN 2582-2179, Vol. 5, No.1, pp.24-28, April 2020.
- K. Vijayalakshmi & E. Syed Mohamed, "Case Study: Extenuation of XSS Attacks through Various Detecting and Defending Techniques", Journal of Applied Security Research, March 2020, <https://doi.org/10.1080/19361610.2020.1735283>. [Scopus Indexed]
- Syed Thouheed Ahmed, M Sandhya, Sharmila Sankar, "Telmed: Dynamic User Clustering Resource Allocation Technique For Moom Datasets Under Optimizing Telemedicine Network", wireless personal communications, 16/01/2020. [Scopus Indexed]
- Dinesh Kumar K, Manoj Kumar D.S, Anandh R, "Blockchain Technology In Food Supply Chain Security", International Journal of Scientific & Technology Research, Vol.9, No.1, ISSN 2277-8616, January 2020. [Scopus Indexed]
- Zulfia Afreen M.A, Ramachandran A., "Study of Image Processing, Recognition And Computer Vision Algorithms", International Journal of Scientific & Technology Research, Vol.9, No.1, January 2020. [Scopus Indexed]

Journal Publications From Jan 2020 to June 2020.txt ✕

- Iswaryah G., Ramachandran A., "Information Hiding Using Qr Code", International Journal of Scientific & Technology Research, Vol 9, No.1, PP. 1596 – 1598, January 2020. [Scopus Indexed]
- Sharukh Rahman S., Ramachandran A., "Study of Decentralized Networks", International Journal of Scientific & Technology Research, Vol 9, Issue 01, PP. 3170 – 3172. [Scopus Indexed], January 2020.

Conferences Publications ✕

- R.Akila, S.Revathi, G.Shree Devi, "**Opinion Mining on Food Services using Topic Modeling and Machine Learning Algorithms**", IEEE, International Conference on Advanced Computing and Communication Systems (ICACCS), ISBN: 978-1-7281-5197-7, DOI: 10.1109/ICACCS48705.2020.9074428, April 2020.
- Brindha Merin ; W. Aisha Banu, "**Discovering Web Services By Matching Semantic Relationships Through Ontology**", IEEE, International Conference on Advanced Computing and Communication Systems (ICACCS), ISBN: 978-1-7281-5197-7, DOI: 10.1109/ICACCS48705.2020.9074364, April 2020.

- N.Sabiyath Fatima, D.Steffy, D. Stella, S.Nandhini Devi, **"Enhanced Performance of Android Application using Recycler View"**, Springer -3rd International Conference On Advanced Computing & Intelligent Engineering, Proc. Advances in Intelligent Systems and Computing (AISC) series of Springer, ISSN 2194-5365 ISBN 978-981-15-1483-8, pp.189-200, Volume 1089, 2020.
- Regina, S.Revathi, **"Machine Learning Algorithms for predicting stock market daily returns"**, International Conference on Research advancement and challenges in Engineering Sciences, (ICRACE'20) , 6th - 7th March 2020.
- Syed Thouheed Ahmed, Sharmila Sankar, **"Investigative Protocol Design of Layer Optimized Image Compression in Telemedicine Environment"**, Precedia Computer Science, Elsevier, Volume 167, 2020, Pages 2617-2622, <https://doi.org/10.1016/j.procs.2020.03.323>.
- S. Monisha ; R. Meera ; Vijay Swaminath R. ; Arun Raj L, **"Predictive Analytics of Student Stress level using Naive Bayesian Classification Algorithm"**, International Conference on computer communication and Informatics, IEEE, ISBN: 978-1-7281-4514-3, DOI: 10.1109/ICCCI48352.2020.9104113, January 2020.
- A.Ramachandran, **"An Effective Median Filtering for Impulse Noise Erection and Destruction InImage"** Algorithms for Intelligent Systems, ISSN:2524-7565, Lecture Notes on Springer AIS Series, 2020.

- Syed Javeed Pasha, E. Syed Mohamed, **Bio inspired Ensemble Feature Selection (BEFS) Model with Machine Learning and Data Mining Algorithms for Disease Risk Prediction**, IEEE, 30th June 2020, DOI 10.1109/ICCUBEA47591.2019.9129304.
- Syed Javeed Pasha, E. Syed Mohamed, **Ensemble Gain Ratio Feature Selection (EGFS) Model with Machine Learning and Data Mining Algorithms for Disease Risk Prediction**, IEEE, 9th June 2020, INSPEC Accession Number: 19675462 DOI: 10.1109/ICICT48043.2020.9112406.
- J. Brindha Mein, Dr. W. Aisha Banu, **Linking of Web Services and Recommendation Based on User Profile**, International Conference on Research Advancements & Challenges in Engineering Sciences (ICRACE'20), March 6-7, 2020.
- R. Akila, S. Revathi, G. Shree Devi, **Text Mining Of User Reviews To Predict Sentiment Using Machine Learning**, International Conference on Research Advancements & Challenges in Engineering Sciences (ICRACE'20), March 6-7, 2020.
- A. Radhika, Dr. Syed Masood, **Comparison & Evaluation of Effective Data Mining Techniques for Crop Yield Prediction**, International Conference on Research Advancements & Challenges in Engineering Sciences (ICRACE'20), March 6-7, 2020.

Organized Workshops / Seminars / Conferences.txt ✕

- Organized a One-day workshop on "**C and C++**" on 29th February 2020 Organized by Office of Dean, Academic Affairs, BSACIST in collaboration with IIT Bombay-ST Sponsored by The National Mission on Education through ICT (NMEICT), MHRD, Govt. of India.
- A special guest lecture on "**Emerging Trends in IoT**" on 29.02.2020 organized by CSE department at B S Abdur Rahman Institute of Science & Technology.
- One day Workshop on "**Cyber Security**" 06.03.2020 organized by the CSE department at B S Abdur Rahman Institute of Science & Technology.
- One day Seminar on "**Opportunities for Higher Education in the UK**" on 12.03 2020 conducted by CSE department at B S Abdur Rahman Institute of Science & Technology.
- One day Seminar on "**The Importance of Skills and Abilities**" on 13.03.2020 organized by the CSE department at B S Abdur Rahman Institute of Science & Technology.
- Five Day FDTP Organized by the Office of Dean, Academic Affairs, B.S.Abdur Rahman Crescent Institute of Science and Technology in collaboration with IIT Bombay (Spoken Tutorial) is organizing a Faculty Development Programme on "**HTML Programming (In ONLINE MODE)**" during 20 - 24, April 2020.



- Dr. E.Syed Mohamed, A Hands-on training on **"Importance of Plagiarism & The effective usage of Turnitin software"** on 10th Jan 2020, organized by conducted by the Office of Dean(Research) at B.S.A. Crescent Institute of Science & Technology, Chennai.
- Dr. A.Ramachandran, A keynote speaker of **"Second Series of National Conference 2020 (NCON 2020) on Smart Intelligent Computing and Applications"**, Applications jointly organized by Department of Computer Science & Engineering (CSE) and InformationTechnology (IT) at Dhanalakshmi Srinivasan Engineering College, Perambalur, Tamilnadu on 13th Feb 2020.
- Dr. S.Revathi, Guest talk on **"Common Problems Faced by Entrepreneurs for Their Success"**, in the DST NIMAT Sponsored Entrepreneur Development held at MNM Jain Engineering College on 28th Feb 2020.



COVID-19 and how our education is being affected because of it:

by, Hussain Barad of CSE - B, Year 3

Amidst the worldwide crisis every other university, school, classroom, and other centres of education have resorted to the online mode of transmission of education, through Google Meet, Zoom, Skype and other such video conferencing applications along with virtual boards like skribble.io which are a common sight at homes nowadays. The BSA Crescent Institute of Science and Technology has held off its final examinations for the even semester and has started the even semester since July 13, 2020, except for the final year students who are having their viva-voce online and their reviews too. All students are requested to fill online forms for every detail that is required from the students by the faculty. May it be a choice for electives, overall class feedback, or attendance, everything is taken up, on these virtual forms. Teachers and students alike are getting used to this novel method of teaching which is a marvel of this modern era, this would have been an impossible feat to accomplish 50 years ago, the ease and the outreach that technology has promoted is nothing short of extraordinary.

Classrooms have turned into Google classrooms, the blackboards have become computer screens showing changes being made thousands of miles away, the classroom chit chats now on WhatsApp, the classroom bench now a bed at the comforts of home, the lunches in the canteen, now is homemade food at the dinner table, the friendly faces of friends are now concerned faces of our parents, a new reality this world has stepped in all of a sudden. The pandemic has made researchers out of the most stubborn minds in the world, everyone wants to know what this virus is about, what





effects it poses, the symptoms, how can one prevent it from latching on to them, anything and everything about it. Studying online even though much more efficient, is a little distracting, as the notifications on different apps pop up all the time, promoting us to be less concentrated on the class and thinking about other modes of entertainment that we are used to on our laptops and phones. Classrooms until now were offline, on blackboards and paper notes, with books being the major source to study from but due to this pandemic, currently pdfs, presentations and screenshots are the way to go. The classroom environment is also no more, because our siblings and parents may distract us mid-session. It is an erratic situation to be studying in right now, with no proper connection and less concentrated and comfortable environment to understand, and in turn, retaining information is proving very difficult. The absence of a change of scenery dulls the mind, the paranoia of the situation going outside house doors even more difficult to process. The pandemic is a desperate time, we should support each other now, but life must go on.

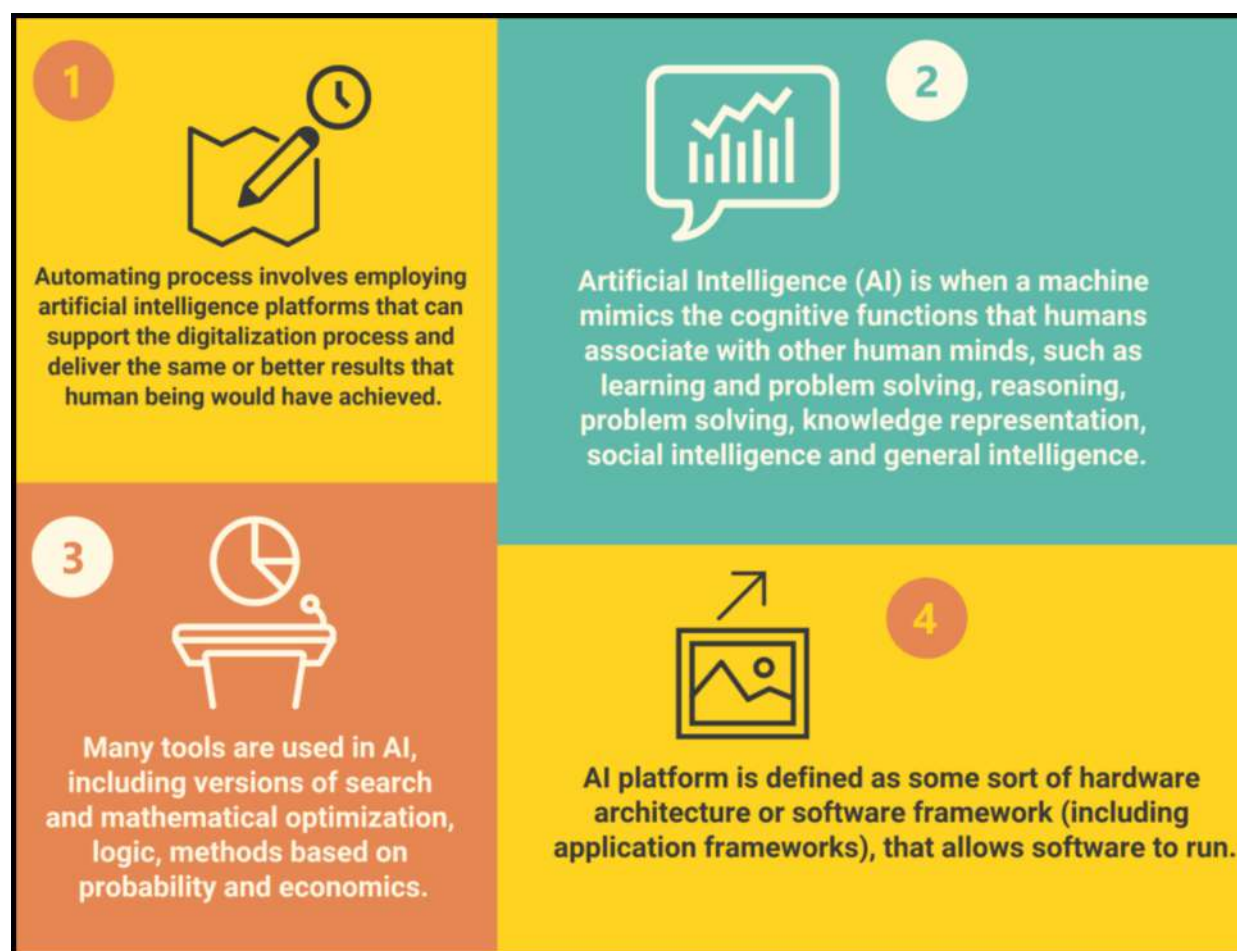




TOP 3 ARTIFICIAL INTELLIGENCE PLATFORMS

by, Mariam Aafreen of CSE - B, Year 4

From SIRI to self-driving cars, artificial intelligence (AI) is progressing rapidly. While science fiction often portrays AI as robots with human-like characteristics, AI can encompass anything from Google's search algorithms to IBM's Watson to autonomous weapons. Simply put in, AI is when a machine mimics the cognitive functions of the human mind.



But choosing the right automation tool is really important for your business's efficient production and to cut down the cost of operation. The automation process involves employing artificial intelligence platforms that can support the digitization process and deliver the same or

D:/tech-bytes/Top_3_AI_Platforms.pdf



better results than humans would have achieved.

WHAT ARE ARTIFICIAL INTELLIGENCE PLATFORMS?

Artificial Intelligence Platforms involves the use of machines to perform the tasks that are performed by human beings. The platforms simulate the cognitive function that human minds perform and involve the use of expert systems like speech recognition and machine learning.

Technology that understands you, not the other way round

- The rise of the digital assistant**
Major players are already investing in intelligent, speech-enabled digital assistants to achieve strategic differentiation
- Why it's only the first step**
Tomorrow's digital assistants will no longer be confined to single devices. They will be deployed on multiple platforms and devices
- A platform that covers every angle**
Delivering artificially intelligent applications requires a platform that is scalable, multilingual, device-independent and offers seamless integration
- Questions are never asked in isolation**
AI-based apps need to address many factors including context, memory, intelligent understanding and the ability to react appropriately
- One that's easy to use**
To avoid lengthy development timescales, escalating costs and highly complex computational linguistics, it must also be intelligent and automated
- Hear every conversation**
Capture, interpret and use the conversational data of every interaction of every customer across every channel to deliver the ultimate customer experience

TOP 3 ARTIFICIAL INTELLIGENCE PLATFORMS

1. GOOGLE AI PLATFORM

Google AI Platform will help you to train your machine learning models at scale, host your trained model in the cloud, and to use your model to make predictions about new data. It supports Kubeflow, Google's open-source platform which will let you build your own portable ML pipelines that can be run on-premises or on Google Cloud without making any prominent changes to your code.



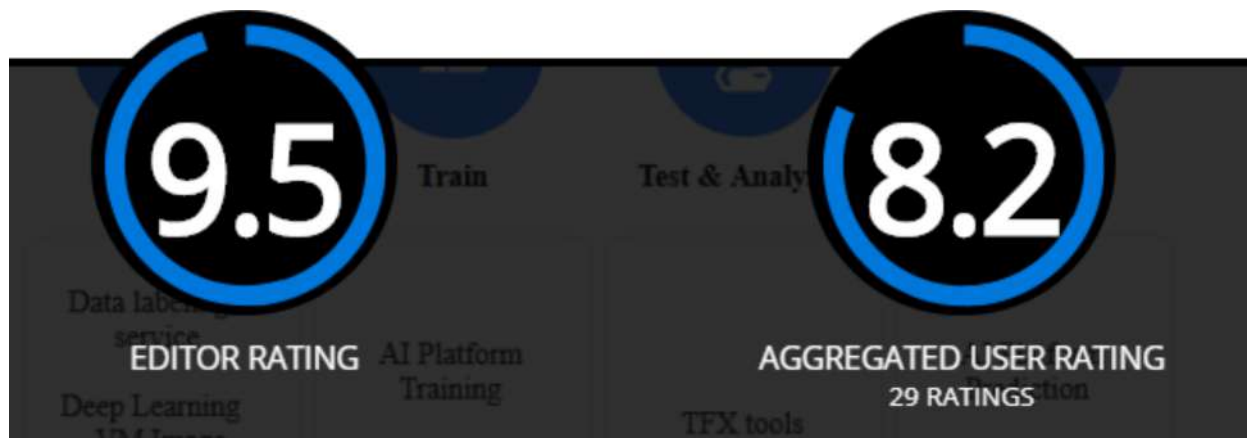


FEATURES:

- Cloud-based Machine Learning
- Customer Sentiment Analysis
- Spam Detection
- Recommendation Systems
- Purchase Prediction

BENEFITS:

- State-of-the-art security system
- Convenient pricing scheme
- Can be used for long term projects



2. TENSOR FLOW

TensorFlow is an end-to-end open-source platform for machine learning which has a comprehensive, flexible ecosystem of tools, libraries, and community resources that lets you push the state-of-the-art in ML, and enable easy builds and deployment of ML-powered applications.

FEATURES:

- Deep Flexibility
- True Portability



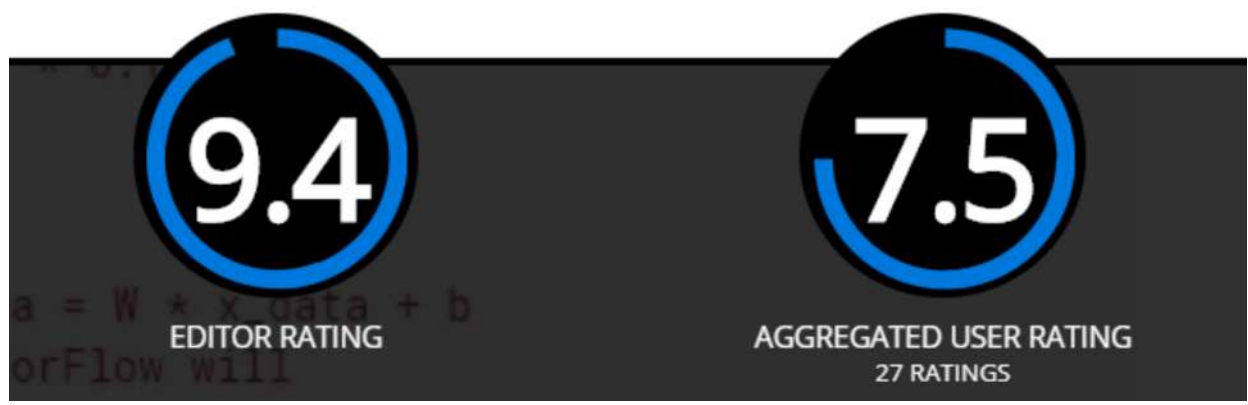
D:/tech-bytes/Top_3_AI_Platforms.pdf



- Connect Research and Production
- Auto-Differentiation
- Language Options
- Maximize Performance

BENEFITS:

- Fast
- You are able to share the benefits of ML
- Cloud TPUs are build to train and run ML easily and efficiently



3. MICROSOFT AZURE

Microsoft Azure is a set of web-scale cloud services that allow us to build, deploy, and manage applications through Microsoft's globally distributed network of knowledge centres. It is a public cloud computing platform with solutions including Infrastructure as an IaaS, PaaS, and SaaS that can be used for services such as analytics, virtual computing, storage, networking, and much more.

FEATURES:

- Digital Marketing
- E-Commerce
- DevOps



D:/tech-bytes/Top_3_AI_Platforms.pdf



- Big Data and Analysis
- Cloud Migration
- Internet of Things
- BlockChain
- Microservice Applications

BENEFITS:

- Mobile-enabled and Cloud-Based
- Supports various Operating system, language, tool, and framework
- Can be used for Gaming and Mainframe Migrations
- Used for High-Performance Computing



CONTROVERSY MYTHS

Many AI researchers have warned us that rise of robots and AI would be disastrous for mankind. The fear of machines turning evil is another red herring subject. The real worry isn't malevolence, but competence. A superintelligent AI is by definition very good at attaining its goals, whatever they may be, so we need to ensure that its goals are aligned with ours. And for this having the right vision of our projects complemented with the right AI platform is necessary. So let's increase our phase, learn more about AI and its platforms, and move towards a future of human intelligence which is lesser artificial and more intelligent.





A.I. Doomsday, how frightened should we be?

by, Azfar Faheem Mustafa of CSE - A, Year 2

Artificial intelligence (A.I.) is a wide-ranging branch of computer science concerned with building smart machines capable of performing tasks that typically require human intelligence. A.I. is an interdisciplinary science with multiple approaches, but advancements in machine learning and deep learning are creating a paradigm shift in virtually every sector of the tech industry. As machines become smarter each day, a number of scientists and engineers fear that, once we build an artificial intelligence smarter than we are, a form of A.I. known as Artificial General Intelligence (A.G.I), doomsday may follow. Bill Gates and Tim Berners-Lee, the founder of the World Wide Web have voiced grave concerns about the same. Elon Musk warns against “an immortal dictator from which we can never escape.” Stephen Hawking declared that an A.G.I. “could spell the end of the human race.”

A.I. is one of the most fundamental transformative technologies that we have ever seen in the history of mankind and transformative power is something we should be scared of and be wary about. Because If A.I. is transformative, then it has the power to be transformative both for good reasons as well as bad. One of the most widespread fears of A.I. is just general anxiety about it and what it’s potentially capable of. A recurring theme in movies and science fiction is A.I. systems that go rogue. One the first thing that comes to my mind when I hear A.I. is the Terminator movie series. We don’t like machines that get too smart, because we fear we can’t control it. The fear is generally surrounding the unknown direction in which the development of A.I. systems is going in terms of its intelligence in comparison to our own. However, just as



D:/tech-bytes/AI_Doomsday.pdf

we have examples of the Terminator we also have C3PO, R2D2 and various other robots from the Star Wars series. These show highly intelligent robots well in control of human beings. The only way to overcome this general anxiety is to understand that we have faced lots of major changes or shifts due to technological advances, humans have developed and adapted right along with it.

We all have some sort of image of what the world could look like if robots take over. Hollywood has filled our imaginations with visions of metallic killers who seek only to advance their cause by using humanity. Perhaps the robots don't even exterminate all of humanity, but simply farm their vital energy in order to power their society, creating an intricate simulation to keep the humans distracted. Recently experts all over the world have been telling the worried masses that A.I. is a long way from causing any sort of apocalypse. They emphasize that these types of doomsday scenarios are highly impractical and unrealistic. Even by the time, A.I. is sufficiently advanced, they claim, we will have carefully planned for all the worst-case scenarios, preventing the problem before it even begins.

I believe otherwise. I would like to argue that A.I., despite what some experts are saying, does have the potential to bring about irreversible doomsday scenarios, has begun to do so already, we will transition from ordinary life to a life where we are puppets of digital systems so gradually and so subtly that we'll believe nothing has changed. To support this argument, let us take a look at social media and take a trip into the future where humanity has no clue that it is ruled by artificial intelligence and a reflection of our own world that may reveal it to look more similar to a future doomsday than anyone thought.

Facebook, Instagram, Twitter, and Snapchat have all been full of scandals in the past few years, garnering criticism from many diverse groups of people. Social media

D:/tech-bytes/AI_Doomsday.pdf

platforms transformed from being simply networks to connect old friends or classmates, to daily hubs for news and politics. Unfortunately, due to the nature of these systems being primarily financially motivated, profiting by advertising revenue calculated by the number of eyes that see ads on the site, social media networks also knowingly transformed themselves into addictive systems. By giving users content that they would inherently enjoy, playing into their existing biases, unsavvy social media users experience ideological isolation by only seeing news or opinions that agree with their own.

This type of machine learning, which is aimed at learning user behaviour in order to bring them to an app or website to maximize profit, has had a profound effect on our society. It is commonplace now to recognize that the overuse of social media can be very dangerous. People become addicted to Facebook, Twitter, or Instagram, and are constantly surrounded by information that could be entirely distinct from that of someone with different preferences. It has led to many users adopting radically different views from those of their political or ideological opposites and thinking them totally based on “facts” they read on the internet. A.I. technologies employed via social media have affected so many individual viewpoints that it has even successfully rigged elections in the most powerful country in the world. We must realize that It is already intelligent enough to undermine democracy itself.

Due to the lack of popular representation in corporations who control much of the world, and the unwillingness of governments to regulate A.I, right now the burden of accountability falls on us students, as we are the future. Recognizing the potential for gradual “doomsday” to occur, and voicing our concerns in a loud way, is the best way right now to ensure the accountability of powerful technology actors. If technologists or potential regulators do not listen to the concerns of the many, due to ignorance or arrogance, their choices could mean life or death.



Online ads have always been annoying...but now they're worse than ever...

by, Adnan Baig of CSE - A, Year 2

What is 'targeted advertising'?

● Advertising is everywhere online, but we've gotten pretty good at ignoring it. To win back our attention, advertisers have adapted to our digital viewing habits by remembering what we read and buy online, then using this information to sell us things they think we might like. While it may sound strange, this practice, called targeted advertising, has become very common.

● Targeted advertising is a form of online advertising that focuses on the specific traits, interests, and preferences of a consumer. Advertisers discover this information by tracking your activity on the Internet.

How does it work?

Here's one of the most common methods:

● Consider what happens when you shop online for a wristwatch. You visit a

few watch websites and the next thing you know, a watch advertisement is following you everywhere. On your computer, it's loading in your Facebook feed. On your phone, it's popping up on Instagram. In your web browser on either, it's appearing on news sites that have nothing to do with watches. Even if you end up ordering the watch, the ads continue trailing you everywhere. They're stalker ads.

● And they are a symptom of how online ads are becoming increasingly targeted and persistent. Tracking technologies like web cookies are collecting information



D:/tech-bytes/OnlineADs.pdf

about our browsing activities from site to site.

- The files used to track individuals — called cookies — are there to help keep the internet functioning. It's cookies that keep you logged in to certain websites, or keep your shopping cart filled while you browse. Cookies can also tell advertisers what products or websites you've interacted with, allowing companies to advertise that product or similar products to you in a process called remarketing. Third-party data providers can also use what they've seen about what you're interested in and have interacted with online — or your age, location, gender, or other details — to create audience lists that advertisers use to find a market for their ads.

- Aside from cookies, advertisers also learn about you in other ways, like checking your search engine history and finding your personal information on social media.

Isn't this an invasion of my privacy?

- Targeted advertising could be seen as an invasion of privacy. However, remember that all of the information you submit to the Internet can be tracked, whether it be search engine requests, social media updates, or the websites you visit. And if it can be tracked, this information may return to you in the form of a targeted ad.

- The more advertisers know about you, the more they assume about your buying habits. Age, gender, income, relationship status: Advertisers will take whatever they can get if it means they could sell you something.

- These ads can also follow you across different devices.

- The advertisers that collect and use this data claim to not keep sensitive personal information on file, but it's difficult to figure out exactly what these big-data advertisers know. Unfortunately, this type of data

collection is becoming the norm and currently there are no regulations against it, meaning it will likely be around for years. Thankfully, there are a few things you can do to fight back against the ads.

How Advertisers Collect Your Information

In order to deliver custom ads, companies first need to know something about you. Here are a few ways they gather that information:

Clickstream Data. In custom advertising, the term clickstream refers to a record of Web pages you've visited. This data is collected using a tiny text file called a cookie, which a site sends to your computer so it can track your movements among its pages. This information helps them tailor advertising to specific patrons.

Search Data. They analyze search terms and user habits to place targeted advertising alongside regular search results and often allow companies to pay them for a higher position among the results for particular keywords.

Purchase Data. Ever notice how Web sites like Amazon will recommend items that remind you of other items you've purchased or viewed in the past? That's because online stores often use cookies or user registration to keep track of what you buy -- and even what you put in your cart and later abandon -- in an effort to personalize your shopping experience.

Profile Data. When you create a profile on a social networking site such as Facebook you probably enter information about your age, religion, education, political views, interests and favourite movies, music and books so your friends can get to know you better. What you may not know is that these sites also use that data to provide you with custom advertising.

Advertisers select lists to send their ads to, and cookies



can allow advertisements to follow an individual from website to website, or app to app.



How can I stop these ads?

- First, a good rule of thumb for browsing online: Assume that nothing you do online is private.
- Next, if you simply want to stop seeing ads, download an ad blocker for your web browser, which should get rid of most of them. To prevent advertisers from tracking your information altogether, you have a few options:
 - Go to the Privacy settings of your web browser, then delete your cookies and ask websites not to track you.
 - Visit an opt-out site like About Ads and request that participating ad agencies stop tracking your information. While it will not completely eliminate targeted ads, it will significantly reduce them.
 - Periodically, clear your cookies and purge your Google ad history.
 - If possible, hide the annoying ad. On some web ads, like those served by Google and Facebook, there is a tiny button in the top-right corner that you can click on to hide the ad.

Can I bring that up a notch?

There are more extreme methods to take if you want to prevent targeted ads from ever following you around

- **Install an ad blocker:** For Android users, Google banned many ad blockers from its official Play app store, so the simplest way to block ads is by using a private web browser.) or **use a private browser.** They are handy when you want to do a discreet web search. It will probably take you a couple of hours to set yourself up to prevent ads from haunting you. It is a gruelling process.



quarantine_art.txt



Quarantine has given all of us time to find ourselves and refine the artist in us. Just like every other department, the CSE department has artists who love and hold great passion for what they do. From paintings to poetry, photography to digital art, and even cooking! Our little family is indeed a flock of talented birds with an eye for artistry.

Nithya VV (CSE-B, Year IV).jpg



Roobesh Balaji (CSE - A, Year IV).jpg



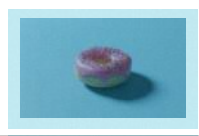
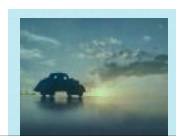
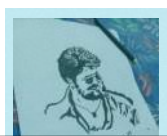
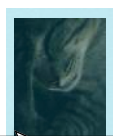
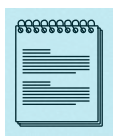
Pathan Afrid khan(CSE-B, Year III).jpg



Kiruthiga Ramesh (CSE - B, Year IV).jpg



explorer ×



quarantine art.txt

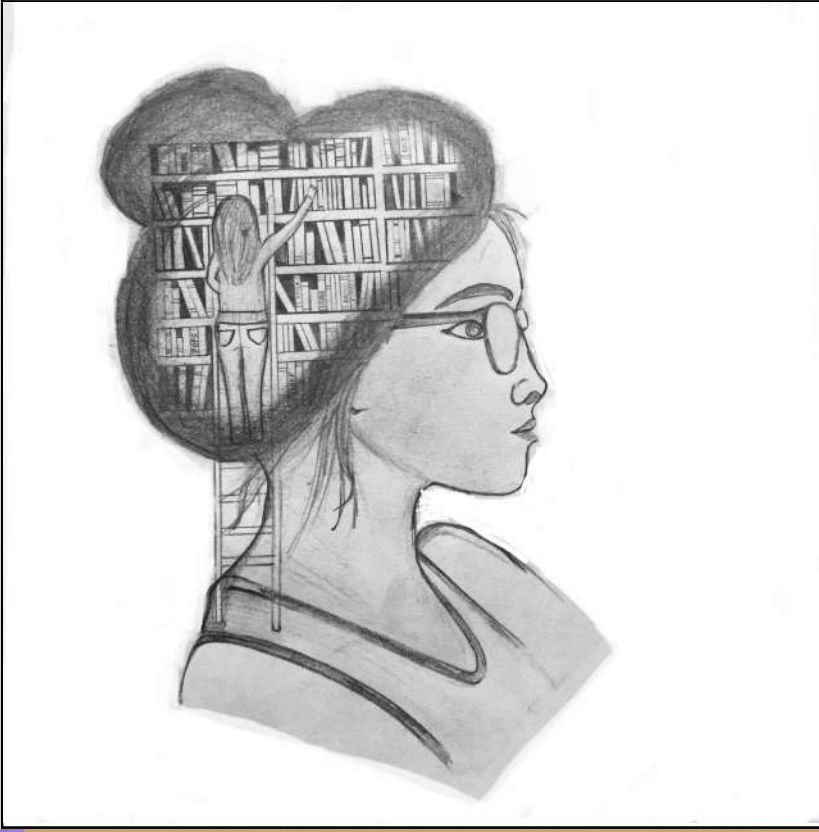
CHANDRAMOULI.P (CSE - A, Year II).jpg ×



Shaik Anisa (CSE - B, Year III)



Shaik Anisa (CSE - B, Year III).jpg ×



The world has come to a place which was considered unimaginable and it is up to us to entertain ourselves in the safest and best way possible. During these tough times, our department has been able to come up with the very first edition of 'ReadMe.txt'.

It has been an honour to be able to work as the Editor-in-chief with a grand team of 7. Every member has worked hard in gathering reliable information and putting out this edition. I sincerely hope that you enjoyed reading it and promise that we will put in our best efforts in bringing forth better versions in the following months. It definitely wouldn't be right if I don't give a round of applause for our designer, Deepak, for making this magazine aesthetically pleasing.

It was a pleasure to edit all the articles, reports and most definitely go through the quarantine collection. To say I was astounded would be an understatement because there was a soul to every little detail that was brought to me. Usually technical content isn't something everyone will want to read, but these articles were indeed great and well written.

'ReadMe.txt' is aimed at bringing talent that was always considered to be lying in the shadows to the brightest light we could. Intertwining a little bit of entertainment and summing up the entire year was indeed a tough task, but with all the effort and corrections, this magazine is what it is right now.

I would especially like to thank our HOD and Radhika ma'am for being extremely supportive and for helping us figure all of this out. It wouldn't have been possible without both of their cooperations and efforts.

-Samyuktha Prasanan
(CSE - A, Year IV)

staff_crew.txt X

We would sincerely like to thank the following faculty members for being extremely supportive throughout the entire process of putting this magazine together.

staff_crew.jpg X



Dr. E. Syed Mohamed
Professor & Head

staff_crew.jpg X



A. Radhika
Assistant Professor

behind_the_pages.pdf X

Introducing the crew who put this entire magazine together! Each person actively participated in making ReadMe.txt come to life and you need to meet them!



EDITOR IN CHIEF

Samyuktha Prasanan
CSE-A, IV Year



DESIGNER

Deepak. T
CSE-B, II Year

Reporters and Writers.tiff



Atchaya. A
CSE - A, Year IV



Hussain Barad
CSE - B, Year III



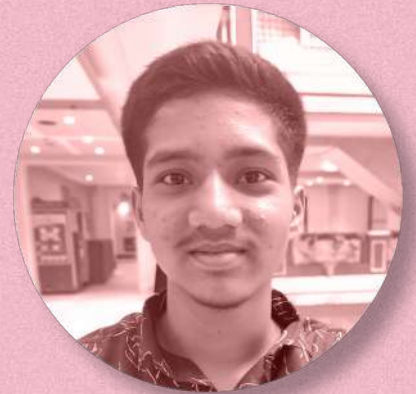
Mariam Aofreen
CSE - B, Year IV



Azfar Faheem Mustafa
CSE - A, Year II

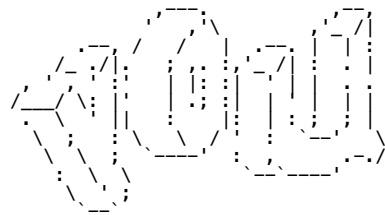
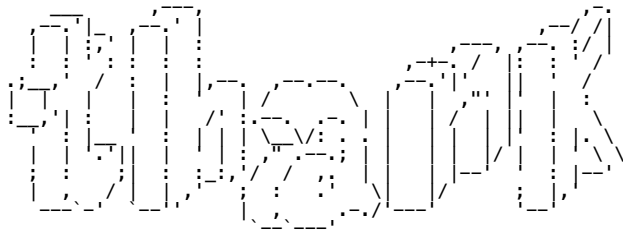


Adnan Baig
CSE - A, Year II



Mohammed Shoukath
CSE - A, Year II

thankyou.exe



for reading

.

.

.

>shutting down

██████████ 100%