CYBER INSIGHTS

C O N T E N T S

BEHIND EVERY LOST BYTE, THERE'S A PERSON SEEKING A PEACE OF MIND, IN AN INCREASINGLY DIGITAL WORLD.

PRINCIPAL

DEAR COLLEAGUES, STUDENTS, AND CYBERSECURITY ENTHUSIASTS,

WELCOME TO THE UNVEILING OF OUR CYBER SECURITY MAGAZINE, A TESTAMENT TO THE DEDICATION, INNOVATION, AND TECHNICAL PROWESS OF OUR BRILLIANT CYBERSECURITY STUDENTS.

THIS MAGAZINE IS A CULMINATION OF THEIR EXPERTISE, OFFERING INSIGHTS INTO THE DYNAMIC LANDSCAPE OF THE DIGITAL REALM. IT SHOWCASES THEIR COMMITMENT TO SECURING THE DIGITAL FRONTIER AND SERVES AS A VALUABLE RESOURCE FOR OUR CYBERSECURITY COMMUNITY.

I EXTEND MY HEARTFELT APPRECIATION TO THE DEDICATED EDITORIAL TEAM, CONTRIBUTORS, AND ALL WHO HAVE PLAYED A PART IN BRINGING THIS MAGAZINE TO FRUITION.

LET THIS CYBER SECURITY MAGAZINE BE A BEACON OF KNOWLEDGE AND SKILL FOR OUR CYBERSECURITY COMMUNITY.

SINCERELY,
DR. C.D. NAIDU
VNR VJIET

DIRECTOR
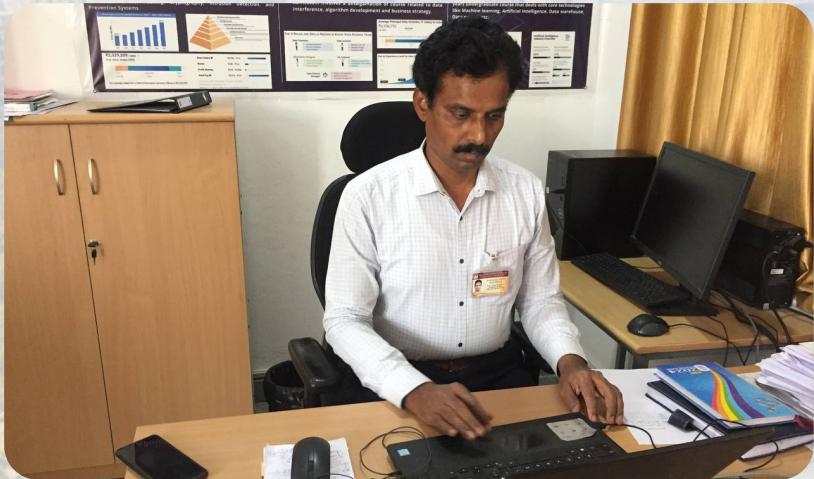
DEAR COLLEAGUES, STUDENTS AND CYBERSECURITY ENTHUSIASTS,

I'M THRILLED TO LAUNCH OUR CYBERSECURITY MAGAZINE - A SHOWCASE OF THE REMARKABLE TALENTS AND DEDICATION OF OUR CYBERSECURITY STUDENTS.

IN THE DIGITAL ERA, CYBERSECURITY IS CRUCIAL. OUR STUDENTS HAVE NAVIGATED COMPLEXITIES AND FORTIFIED DEFENSES, WITH THIS MAGAZINE AS TESTAMENT TO THEIR COMMITMENT TO A SECURE DIGITAL FUTURE. FROM ANALYSES OF EMERGING CYBER THREATS TO HANDS-ON EXPERIENCES WITH SECURITY TOOLS, THEIR EXPERTISE SHINES THROUGH.

MY GRATITUDE TO THE EDITORIAL TEAM, CONTRIBUTORS AND ALL EXTERNAL PEOPLE. THIS MAGAZINE HIGHLIGHTS OUR STUDENTS' ACHIEVEMENTS AND IS A BEACON OF KNOWLEDGE FOR THE CYBERSECURITY COMMUNITY.CONGRATULATIONS TO ALL CONTRIBUTORS! MAY THIS MAGAZINE STAND AS A TESTAMENT TO OUR COMMITMENT TO EXCELLENCE IN CYBERSECURITY EDUCATION.

SINCERELY,
DR. B CHENNAKESAVA RAO
VNR VJIET

HEAD OF THE DEPARTMENT

DR. M. RAJA SEKAR

Professor & HoD

Dept.of CSE-(CyS,DS) and AI&DS

DEAR MEMBERS OF THE CYBERSECURITY DEPARTMENT,

I AM THRILLED TO INTRODUCE OUR CYBER SECURITY MAGAZINE, A TESTAMENT TO THE REMARKABLE TALENT, DEDICATION, AND DILIGENCE OF OUR STUDENTS. THIS PUBLICATION STANDS AS A BEACON OF EXCELLENCE FOR OUR DEPARTMENT, OFFERING A WEALTH OF KNOWLEDGE AND INSIGHTS ENCOMPASSING EMERGING CYBER THREATS AND STATE-OF-THE-ART SECURITY SOLUTIONS.

LET US APPLAUD THE ACCOMPLISHMENTS OF OUR STUDENTS, IMMERSE OURSELVES IN THE TECHNICAL EXPERTISE SHARED WITHIN THESE PAGES, AND ACKNOWLEDGE THE ESSENTIAL CONTRIBUTION OUR DEPARTMENT MAKES IN MOLDING THE NEXT GENERATION OF CYBERSECURITY PROFESSIONALS. YOUR UNWAVERING COMMITMENT IS SINCERELY APPRECIATED.

COORDINATOR OF CYBER SECURITY

DR.V. PRASHANTHI

Senior Assistance Professor

Dept.of CSE-(CyS,DS) and AI&DS

Hello Cybersecurity Enthusiasts,
I'm excited to announce the launch of our Cyber Security Magazine. The magazine is a labor of love by our talented editorial team and contributors and reflects the exceptional talent thriving within our cybersecurity community.

Thank you to everyone who contributed to this magazine. It's an honour to be part of such an exceptional community.

FACULTY EDITORS

Chief editor:
Dr. M. Raja Sekar,
Professor & HoD Dept.of
CSE-(CyS,DS) and AI&DS.

Editor:
Dr. V.Prashanthi, Senior
Assistant Professor, Dept.of
CSE-(CyS,DS) and AI&DS

editor:
Dr.T.Preethi, Assistant
Professor, Dept.of CSE-
(CyS,DS) and AI&DS

STUDENT
EDITORS

V.RAGHAVENDRA SAI
CYS-(2ND YEAR)

K.CHANDRA SHEKAR
CYS-(2ND YEAR)

A.SAI SHARAN
CYS-(2ND YEAR)

N.HEMANTH
CYS-(2ND YEAR)

R.PRANEETH
CYS-(2ND YEAR)

OUR STAFF
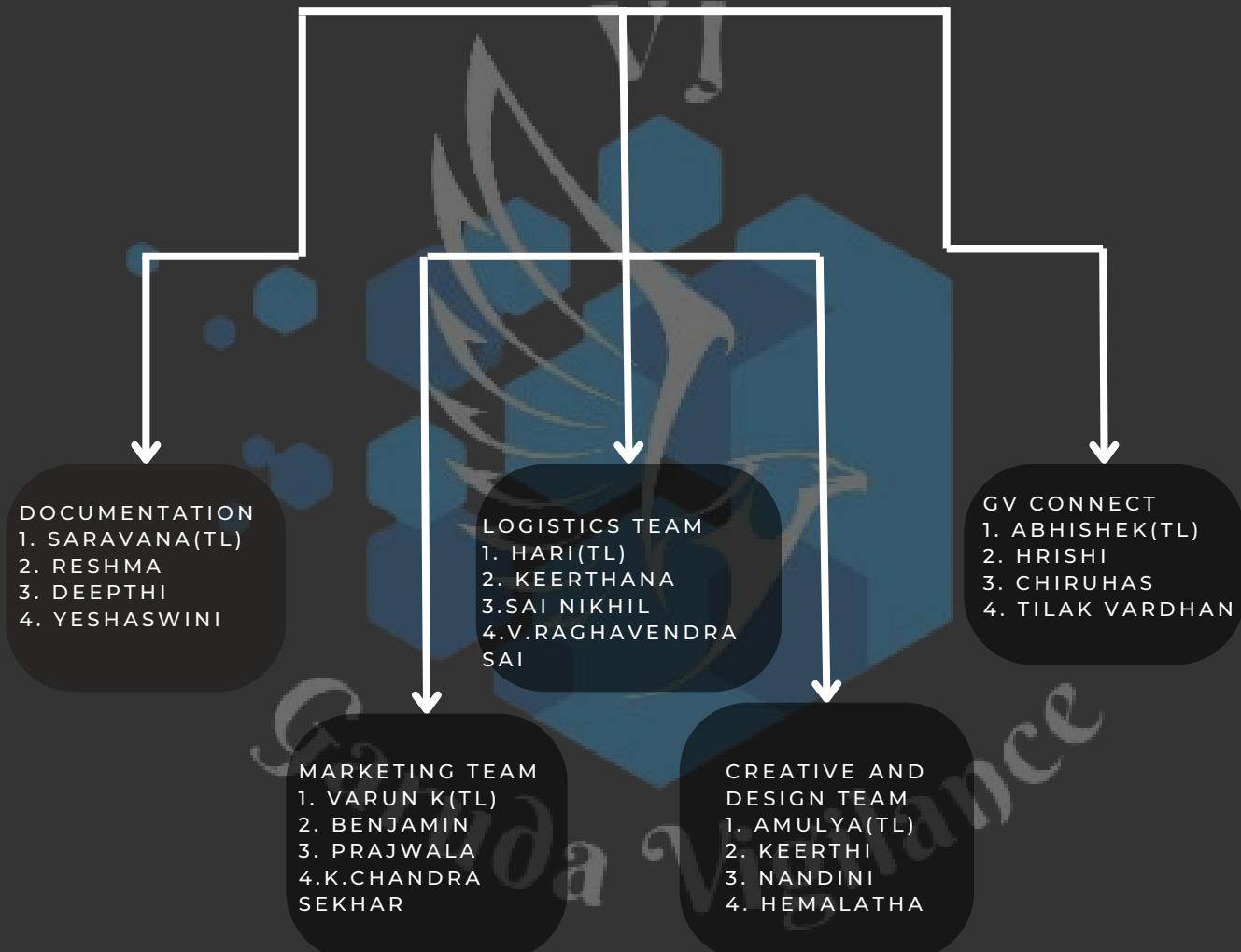
1. Dr.M. Raja Sekar - (Prof and HoD)
2. Dr.T. Sunil Kumar -(Professor)
3. Dr.P. Subash -(Assoc.Prof)
4. Dr.V. Prashanthi -(Senior Asst Prof)
5. Mr.R. Kranthi Kumar -(Asst. Prof)
6. Mrs.Y. Bhanu Sree -(Asst. Prof)
7. Mr.V. Surya Narayana Reddy -(Asst. Prof)
8. Dr.T. Preethi -(Asst. Prof)
9. Mr.P. Veeranjaneyulu -(Asst. Prof)
10. Dr.N. Sunanda -(Asst. Prof)
11. Mr.P. Vijayaragavan -(Asst. Prof)
12. Mr.M .Durgaprasad -(Asst. Prof)
13. Mrs.G. Ashalatha -(Asst. Prof)
14. Mrs.E. Lalitha -(Asst. Prof)
15. Mr.G. Sathar -(Asst. Prof)
16. Mr. Manmath Nath Das -(Asst. Prof)
17. Mrs.D.Ramya Krishna -(Asst. Prof)
18. Dr.Y.Sucharitha -(Asst. Prof)
19. Ms.Issac Neha Margaret -(Asst. Prof)
20. Ms.N.Sudha -(Asst. Prof)
21. Mr. K.Sai Bhargav -(Asst. Prof)
22. Mr. M.Sunil Kumar -(Asst. Prof)
23. Mrs.B.Deepika -(Asst. Prof)
24. Mrs.Rasmita Kumari Mohanty -(Asst. Prof)
25. Mrs.P.Devika -(Asst. Prof)
26. Mrs.G.Mounika -(Asst. Prof)
27. Mr.G.Yedukondalu -(Asst. Prof)
28. Mr. B.Sangameshwar -(Asst. Prof)
29. Mrs.S.Krishnapriya -(Asst. Prof)
30. Ch.Akhil -(Asst. Prof)
31. R.Sravan -(Asst. Prof)
32. A.Pramod Kumar -(Asst. Prof)
33. Dr.D.Manju-(Asst. Prof)
34. Dr.G.Spoorthy-(Asst. Prof)
35. Mrs.D.Sreevidya-(Asst. Prof)
36. Mr.P.Venkateswara rao-(Asst. Prof)
37. Mrs.J.Manasa -(Jr Computer Programmer)
38. Ms.A.Shobha -(Computer Operator)
39. Mr.P.Eswar Kiran - (Jr Asst. & Computer Operator)
40. P.Koteswari -(Computer Operator)
41. K.Vandana-(Jr Computer Programmer)
42. M.M Lakshmi Prasanna -(Computer Operator)
43. B.Ashok Varma -(Computer Operator)

VJ GARUDA VIGILANCE IS ON A MISSION TO INSTILL A CYBER SECURITY-CENTRIC ETHOS, ARMING OUR MEMBERS WITH THE ACUMEN AND CAPABILITIES REQUIRED TO NAVIGATE THE PERPETUAL FLUX OF DIGITAL THREATS. WE ARE STEADFAST IN OUR PROMOTION OF ETHICAL HACKING, RISK MITIGATION STRATEGIES AND THE JUDICIOUS APPLICATION OF REVOLUTIONARY DEFENSIVE TECHNOLOGIES.

CLUB COMMITEE MEMBERS

DOCUMENTATION
1. SARAVANA(TL)
2. RESHMA
3. DEEPTHI
4. YESHASWINI

LOGISTICS TEAM
1. HARI(TL)
2. KEERTHANA
3. SAI NIKHIL
4. V.RAGHAVENDRA SAI

GV CONNECT
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2. HRISHI
3. CHIRUHAS
4. TILAK VARDHAN

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2. BENJAMIN
3. PRAJWALA
4. K.CHANDRA SEKHAR

CREATIVE AND DESIGN TEAM
1. AMULYA(TL)
2. KEERTHI
3. NANDINI
4. HEMALATHA

EVENTS

1.ANTI RAGGING DAY

ANTI RAGGING DAY CELEBRATIONS WAS DONE ON AUGUST 12TH 2023 UNDER THE COORDINATION OF DR. T. SUNIL KUMAR AND DR. SREEDHAR ANTI-RAGING COORDINATOR.

2.ANTI RAGGING CELEBRATRIONS
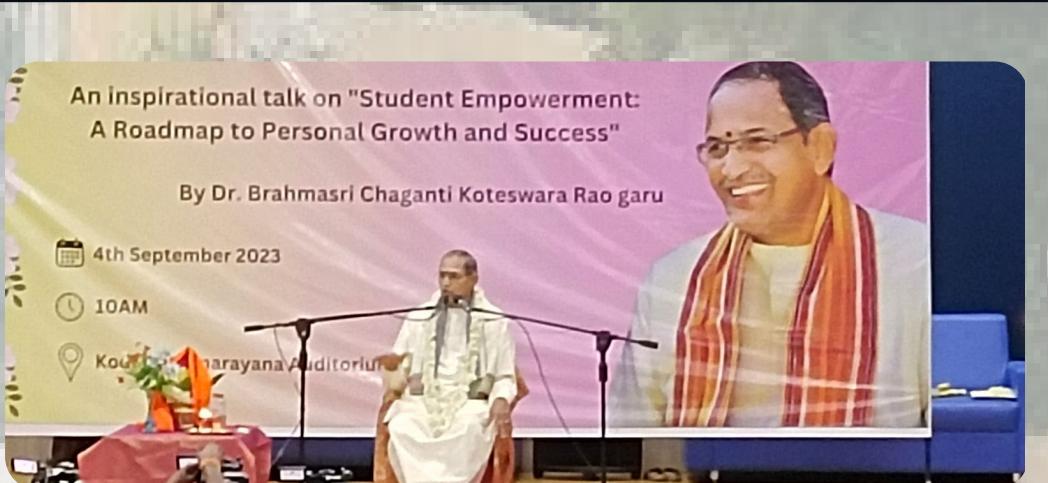
ANTI RAGING WEEK CELEBRATIONS WAS DONE FROM AUGUST 14TH 2023 TO AUGUST 19TH 2023 WHERE EASY WRITING AND SLOGAN WRITING COMPETITIONS WERE CONDUCTED

EVENTS

3.STUDENT EMPOWERMENT

AN INSPIRATIONAL TALK ON "STUDENT EMPOWERMENT: A ROADMAP TP PERSONAL GROWTH ANS SUCCESS" BY DR. CHAGANTI KOTESHWARA RAO WAS ATTENDED BY ALL STUDENTS ON 4TH SEPTEMBER 2023.

An inspirational talk on "Student Empowerment: A Roadmap to Personal Growth and Success"

By Dr. Brahmasri Chaganti Koteswara Rao garu

4th September 2023

10AM

Kou... ...narayana Auditoriu...

4.MNC'S INTERACTION
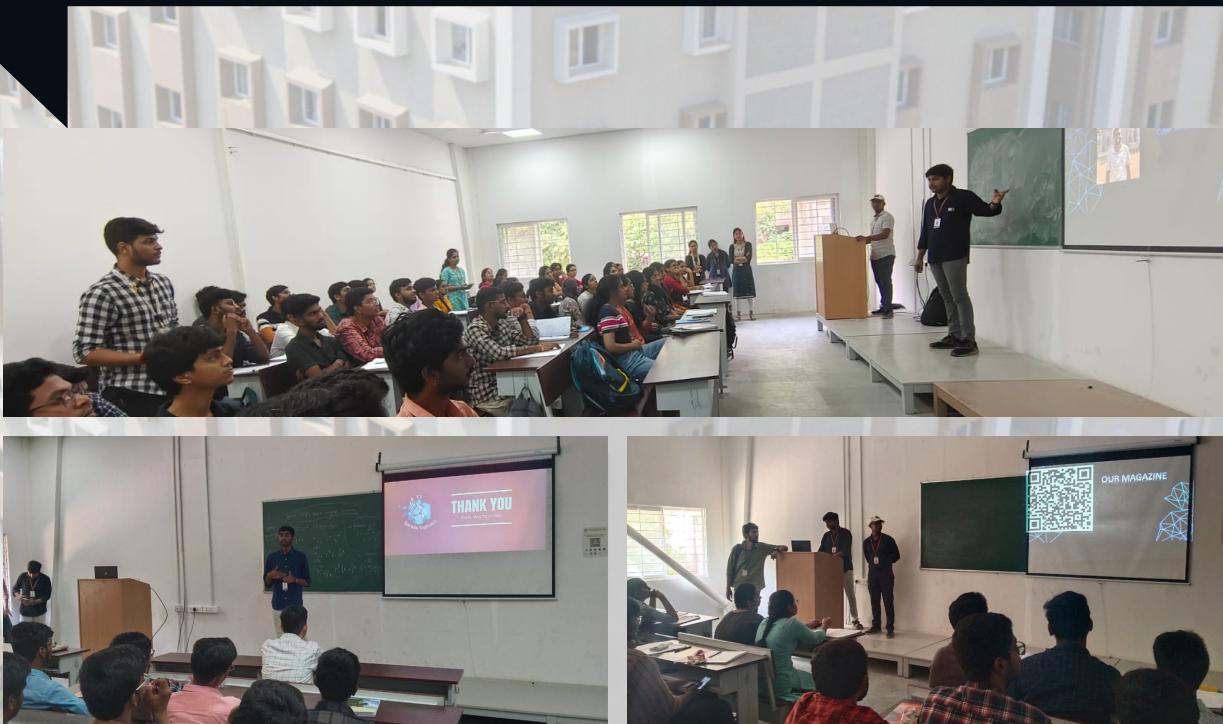
AN INTERACTION AND SUCCESS SHARING SESSION STORIES WITH PLACED (IN VARIOUS MNCS) STUDENTS FROM IV YEAR CYS &DS WAS HELD ON SEPTEMBER 16 2023.

EVENTS

5.VJ GARUDA VIGILANCE CLUB

AWARENESS ON VJ GARUDA VIGILANCE CLUB IS GIVEN TO ALL FIRST YEAR STUDENTS BY 2ND 3RD AND 4TH YEAR STUDENTS OF CYBER SECURITY ON OCTOBER 6 TH 2023.

6.FRESHER'S DAY

FRESHERS PARTY WAS GIVEN BY 2ND YEAR CYBER SECURITY STUDENTS TO 1 ST YEAR CYS ON OCTOBER 7TH 2023

7.CAPTURE THE FLAG (CTF)

ABOUT THE EVENT:
OBJECTIVES:
CAPTURE THE FLAG WAS A HIGHLY ANTICIPATED AND DYNAMIC EVENT THAT UNFOLDED WITH GREAT ENTHUSIASM AND EXCITEMENT. THE EVENT BROUGHT TOGETHER STUDENTS FROM ALL ACADEMIC YEARS FOR A DAY OF SPIRITED COMPETITION.

PROMOTING INCLUSIVITY:

THE EVENT AIMED TO CREATE A DIVERSE AND VIBRANT ATMOSPHERE BY INVITING STUDENTS FROM ALL ACADEMIC YEARS.

ENCOURAGING TEAMWORK:

THE HEART OF THE EVENT LAY IN PROMOTING TEAMWORK AND COLLABORATION.

PROVIDING A LEARNING EXPERIENCE:

THE QUALIFIER ROUND SERVED AS AN INITIAL CHALLENGE, ALLOWING TEAMS TO FAMILIARIZE THEMSELVES WITH THE GAME DYNAMICS.

ELEVATING COMPETITION:

THE FINAL ROUND, WITH ITS HEIGHTENED STAKES AND ADVANCED CHALLENGES, AIMED TO ELEVATE THE COMPETITION, PUSHING PARTICIPANTS TO SHOWCASE THEIR BEST STRATEGIC THINKING AND PROBLEM-SOLVING SKILLS.

EVENTS

EVENT FORMAT:
CAPTURE THE FLAG FEATURED A CAREFULLY STRUCTURED TWO-ROUND FORMAT:

- QUALIFIER ROUND:
- FINAL ROUND:

TOTAL PARTICIPANTS:
90 TEAMS PARTICIPATED IN THE FIRST ROUND, WHILE 18 TEAMS MADE IT TO THE SECOND ROUND.

FACULTY COORDINATORS:
- DR TEJASWI POTLURI, ASSISTANT PROFESSOR, DEPT OF CSE
- MRS M. SUSMITHA, ASSISTANT PROFESSOR, DEPT OF IT
- DR V. PRASHANTHI, SR. ASST. PROFESSOR, DEPT OF CSE- DS, CYS

PRIZES:
1ST PRIZE: PIXEL_PARADOX, PRIZE MONEY: ₹7000/-
- SARAVANA SAI G, 21071A6254, VNR VJIET
- V SATISH, 21071A6264, VNR VJIET
- SREENIDHI A, 22071A0566, VNR VJIET

2ND PRIZE: CERTIFIEDNERDS, PRIZE MONEY: ₹5000/-
- VISHNU SRIVATSAVA, 21H51A05A3, CMR

3RD PRIZE: BYFP, PRIZE MONEY: ₹3000/-
- VENKAT RAM REDDY, 21R21A6221, MLRIT
- ANIKANTA REDDY PALLE, 21R21A6238, MLRIT
- BIPIN CHOWDARY K, 21R21A3319, MLRIT

7.VALORANT LAN CONTEST

VALORANT IS A 5V5 TACTICAL SHOOTER WITH DIVERSE GLOBAL CHARACTERS.TEAMS ALTERNATE BETWEEN ATTACKING AND DEFENDING, AIMING TO PLANT OR DEFUSE A BOMB.

FACULTY COORDINATORS:
DR. T. PREETHI
SENIOR ASSISTANT PROFESSOR DEPT OF CSE-(CYS, DS) AND AI&DS
WINNERS(TEAMS): 1.WE MISS HER   2.VCU

EVENTS

8.CYBER INSIGHTS

DEPARTMENT CSE –(CYS) RELEASED THE FIRST ISSUE OF THE MAGAZINE TITLED "CYBER INSIGHTS" ON JULY 25TH, 2023.

9.CYBER AWARENESS GAMES

CYBER SECURITY AWARENESS GAMES EVENT WAS CONDUCTED ON OCTOBER 10 2023 ORGANIZED BY DR. V. PRASHANTHI, DR. T. PREETHI AND MRS. G MOUNIKA

EVENTS

10. DURGA MATHA PUJA

GODDESS DURGA MATHA PUJA WAS OFFERED BY THE CYS DEPARTMENT ON OCTOBER 20 2023 ON THE OCCASION OF THE DASARA FESTIVAL.
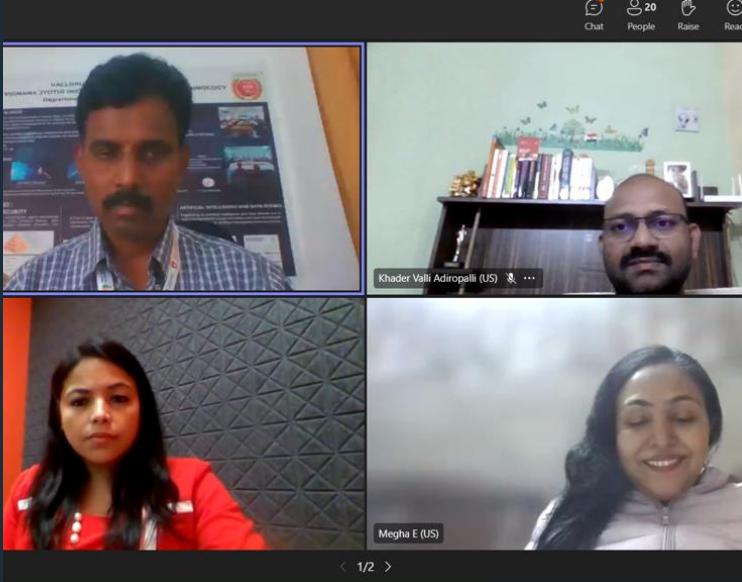

11. CHANDRAYAAN 3

A GROUP OF SECOND-YEAR CYBER STUDENTS DESIGNED A POSTER ON CHANDRAYAAN 3. THE POSTER INSPIRES OTHERS TO LEARN MORE ABOUT THE CHANDRAYAAN 3 MISSION AND THE EXCITING POSSIBILITIES THAT LIE AHEAD IN THE FIELD OF SPACE EXPLORATION.

INDUSTRY INTERACTION

1.HUNTMETRIX

Discussion with Huntmertix was done on November 13 2023 regarding Industry - Academia collaborations with "Technology Assistant Center" for cyber security learning and product development, internships and trainings.

2.WELLS FARGO COMPANY

Online interaction with Wells Fargo Company was done on November 15th 2023 regarding curriculum, students placements and internships.

3.ACCENTURE
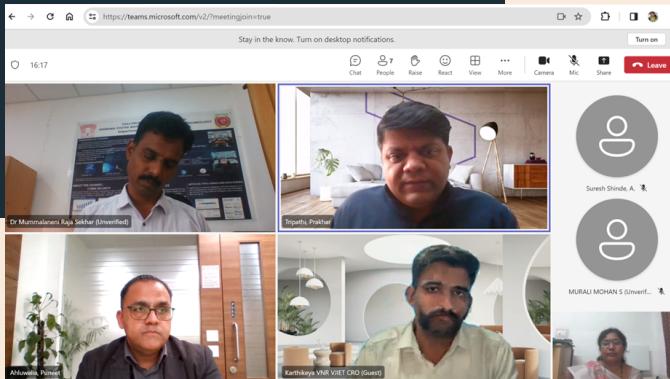
Online interaction with Accenture team was done on December 18 2023 regarding curriculum, students placements and internships. and trainings.

INDUSTRY INTERACTION
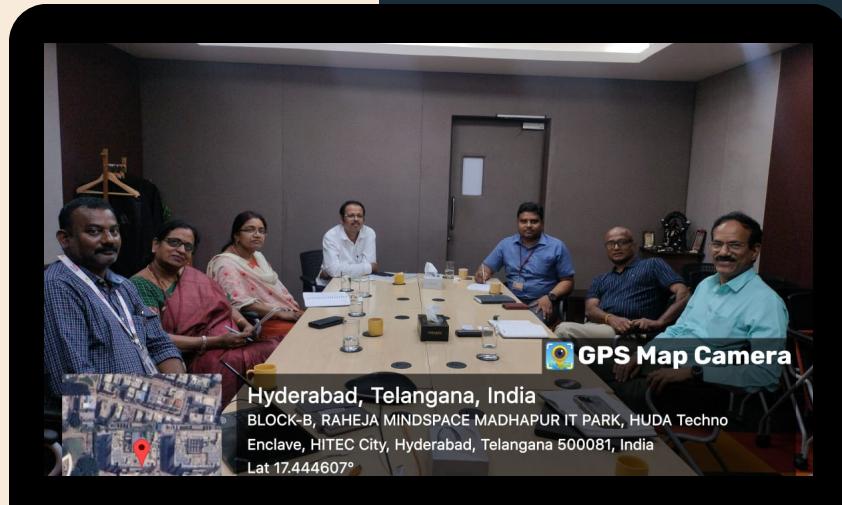
Hyderabad, Telangana, India
C Block, Hanuman Marg, Whisper Valley, Hyderabad, Telangana 500090, India
Lat 17.537971°

4. PWC TEAM

Online interaction with the PWC team regarding the PWC launch pad was done on December 20 2023 regarding curriculum, student placements and internships.
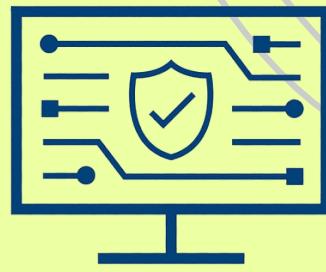
5. COE CYBER SECURITY

On 27 September 2023, Dr. P. Subhash and Dr. T. Preethi met with the Telangana state COE Cyber Security team at the NASSCOM Building

Hyderabad, Telangana, India
BLOCK-B, RAHEJA MINDSPACE MADHAPUR IT PARK, HUDA Techno Enclave, HITEC City, Hyderabad, Telangana 500081, India
Lat 17.444607°

GUEST
LECTURES

- **2nd Year students attended a Lecture on Super supercomputers conducted by CDAC**

- **A Guest Lecture on Cyber Security by YSSKK Chakravarthy conducted by LTI MINDTREE was organized by Dr V. Prashanthi, Dr T. Preethi and Mrs G. Mounika on November 17, 2023**

- **Smart India Hackathon was organized by Dr N. Sunanda on December 19-20 2023**

- **All the students of the department have attended Narendra Modi VIKSIT BHARAT Launch Event on November 12th, 2023**

- **Cyber Security Ist B. Tech students participated in the Indo-Dutch Cyber Security School 2023 from October 10 to November 10, which was co-organized by DSCI, NASSCOM for students in the Netherlands and India, and young professionals interested in cyber security issues.**

FDP/ Courses Attended

- Mr M Sunil Mosese, Mrs Rasmita Kumari Mohanty, Mrs Ramya Krishna, Dr P Subhash and Mr B. Sanghameshwar attended FDP on "Block Chain Technology" at JNTUH from July 3rd to July 5th, 2023.

- A session on "Interview tips" by Dr. Achyutharamaya was conducted for IV B. Tech Cyber Security students on 3rd August 2023.

- Dr T Preethi attended the FDP titled "Blockchain Technology and its Applications" conducted by NIT Trichy from 21-08-2023 to 25-03-2023.

- Dr G. Spoorthy, Mrs G Mounika and Pramod attended the valedictory ceremony of the 4-week internship in cyber security and forensics at JNTUH on September 30, 2023

Faculty Achievements

1. Dr. V. Prashanthi and G.Mounika completed the Cyber Forensics course from CRAW Institute Delhi in July 2023.

2. Mrs Krishna Priya has qualified for UGC-NET in June 2023

3. Dr.Spoorthy. G was awarded a certificate of excellence in peer-reviewing by B.P.International publishers.

4. Ramya has completed the "Introduction to Machine Learning " NPTEL course and secured Elite.

5. Dr. T. Sunil Kumar has completed the Big Data Computing NPTEL course and was awarded Elite Gold

6. Dr .Spoorthy .G was awarded certificate of Bronze award for the innovation E-marketplace for farmers to sell or auction goods

STUDENT PUBLICATIONS

- Subhash.P, Mohammed Qayyum, C. Likhitha Varsha, K. Mehernadh, J. Sruthi, and A. Nithin. "A Security Framework for the Detection of Targeted Attacks Using Honeypot." In International Conference on Computer & Communication Technologies, pp. 183-192. Singapore: Springer Nature Singapore, 2023.

- Surya Narayana Reddy.V, P. Subhash, Ch Vinay Kumar, M. Samuel, G. Vishal Reddy, and G. Tharun. "SNMP Watcher: A Model to Detect DoS and DDoS Attacks Using SNMP Management Information Base Analysis." In International Conference on Computer & Communication Technologies, pp. 193-203. Singapore: Springer Nature Singapore, 2023.

- Vempaty Prashanthi, M Kowshik Reddy, MD Shaariyaar Ahmed, MD Danish, T Sreeja. "Decentralized Electronic Health Records Management System". In International Conference on Bigdata, Virtual Reality, Information and Communication Technologies.

- Thakkalapally Preethi, Ponnuru Rakshitha Reddy, Lekkala Likhitha, Pendyala Pavan Kumar, Abhinav Kamani. "A Novel Approach for Anomaly Detection Using Snort Integrated with Machine Learning". In 11th International Conference on "Computing for Sustainable Global Development.

- Rasmita Kumari Mohanty, Devarakonda Sridevi, Kolipaka Rushik, Modhyala Sai Sumanth Reddy, Implementation and evaluation of Software-defined wide area network (SD-WAN) infrastructure using Cisco system technologies, International Conference on cutting edge technology in computing communication and intelligence (ICCTCCI)

- P. Subhash, Y.Sri Varsha, Kotha Saketh Reddy, B. Akshaya, S. Kalyani, Visual Profiling and Automated Classification of Malware Samples using Deep Learning, International e-Conference on Advances in Computer Engineering and Communication Systems (ICACECS 2023).

- Mr. R. Kranthi Kumar, Rithika Singh, Polisetty Neeharika, M. Shashi Vardhan Reddy, M. Sujith Reddy, Revolutionizing Digital Ownership: Examining the Perks of a Polkadot- Based NFT Marketplace

PLACEMENTS

STUDENT NAME	COMPANY	LPA
APPANI MANI TEJA	ACCENTURE , TCS-DIGITAL	4.5 , 7
B SIMHA CHARAN YADAV	ACCENTURE	4.5
BHEEMARAJU MANI CHANDER	CHUBB	11.5
BHUSHANAM VISHNUKANTH VARMA	ACCENTURE , TCS-DIGITAL	4.5 , 7
BOORLA AKSHAYA	JPMC	19.75
CHITTIBOENA CHARITHA SREE	GLOBAL LOGIC	5.57
DEVARASETTY VISHVAS	ACCENTURE , PWC , RUPEEK	4.5 , 6 , 8
GUMMADI NISHITHA	ACCENTURE	4.5
JAKKE SRUTHI	ACCENTURE , TCS-DIGITAL	4.5, 7
KARUMURI MEHERNADH	RSM,ACCENTURE	7.7 , 4.5
KOLIPAKA RUSHIK	ACCENTURE	4.5
KONDRU IGNATIUS	ACCENTURE	4.5
KOTHA SAKETH REDDY	KOFLUENCE	5

STUDENT NAME	COMPANY	LPA
KUKADAPU JEEVAN SAHIT	ACCENTURE , TCS-DIGITAL	4.5 , 7
LEKKALA LIKHITHA	JPMC	19.75
MACHA SHASHI VARDHAN REDDY	ACCENTURE	4.5
MAITHRE SAMUEL	TCS-NINJA	3.36
MALLANNAGARI SUJITH REDDY	ACCENTURE	4.5
MARRI NEVAN HARDEEP	GLOBAL LOGIC	5.57
MELIMI DINESH	ACCENTURE	4.5
MENDU KOWSHIK REDDY	PROVIDENCE	10.5
MODHYALA SAI SUMANTH REDDY	ACCENTURE	4.5
MOHAMMAD DANISH	DELOITTE	7.6
MOHAMMED SHAHRIYAAR AHMED	DELOITTE	7.6
P RAKSHITHA REDDY	JPMC	19.75
PALUTLA HARSHINI	ACCENTURE	4.5
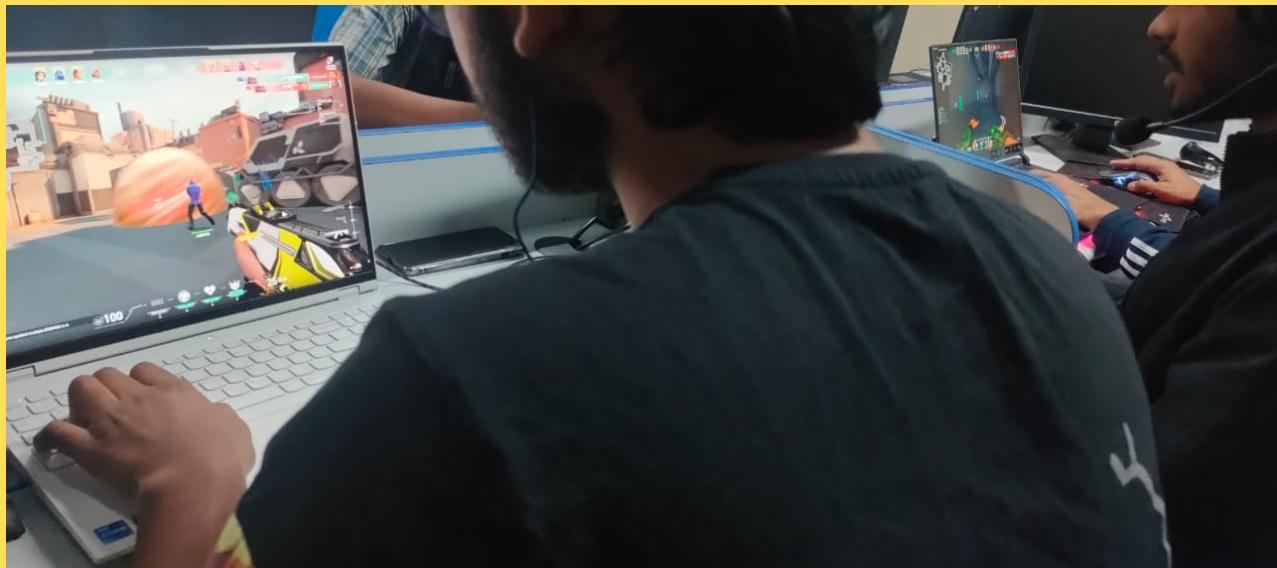
STUDENT NAME	COMPANY	LPA
POLISETTY NEEHARIKA	ACCENTURE	4.5
RAVULA SATHVIKA REDDY	NYALAZONE TECHOLOGIES	4.5
RITHIKA SINGH	ACCENTURE,PWC	4.5 , 6
SEELAM PUSHPANJALI REDDY	ACCENTURE,PWC	4.5 , 6
VENKATA SAI VIGNESA AKHIL REVURU	TCS-DIGITAL	7
SUBHASH KRISHNA VEER BUDDHI	ACCENTURE	4.5
SURE KALYANI	ACCENTURE	4.5
T M ANUPAMA	S&P GLOBAL	9
THAMMISHETTI SRIJA	JPMC	19.75
THOTA YATHIN KUMAR PAMBAL	JPMC	19.75
THOUTU NIKHITHA	IBM , Deloitte Open Talent network Bootcamp	7 , 7.6
VALLABHU HANEESHA	MERILYTICS	6
YESHALA SRI VARSHA	GLOBAL LOGIC , STATESTREET	5.57 , 8.6
CHENNUPATI DWIJITHA	ACCENTURE	4.5

Student Achievements:

1. Kalyan 3rd year cyber security has won first prize in the Valorant Lan Event at Vardhaman College of Engineering, Sasiskar 23 with prize money of 3k on December 7 th 2023.

2. V. Satish and Saravana of 3rd year CyS have won 2nd prize in CTF under convergence conducted by VNRVJIET.

3. Kalyan 3rd year cyber security has won second prize in the Valorant Contest under convergence conducted by VNRVJIET

4. S.Karthika (23071A6256) from Cyber Security (first year) has secured first place in Reverse Shark Tank conducted as a part of ECFICIO.

5. K.Harsha Vardhan has got place in Limca book of records,Telangana book of records,Wonder book of records.

6. Cyber students donated the rice bag to the NSS Team in the event of "FIST FULL OF RICE".

ECFICIO 6.0

The Annual Entrepreneurship Fest of VNRVJIET

Karthika Sunkara, a student of *I B.Tech. (CSE-CyS)* at *VNRVJIET*, has secured the first place in the *Reverse Shark Tank* conducted as a part of Ecficio 6.0³¹, The Annual Entrepreneurship Fest of VNRVJIET, held during 15–16 Dec. 2023.

S.Karthika
IB.Tech/CSE-CYS

S.Karthika
IB.Tech/CSE-CYS

As we stand on the brink of 2024, the digital landscape continues to evolve at an unprecedented pace. This rapid evolution, while exciting, also brings with it a host of new challenges in the form of cyber threats and vulnerabilities.

In this article, we aim to explore these emerging threats and vulnerabilities that are set to shape the cybersecurity landscape in 2024. From the rise of AI-powered threats to the increasing vulnerabilities in our global supply chains, we delve into the heart of these issues, offering insights and analysis on each.

Understanding these threats is not just about staying one step ahead of cybercriminals: it's about ensuring the security and integrity of our digital world. So, let's take a closer look at what 2024 has in store for us in the realm of cybersecurity.

Forecasting the future:
Emerging cyber threats and vulnerabilities

With the exponential growth of connected devices like smartphones, smart home gadgets, and Internet of Things (IoT) devices, the attack surface has significantly broadened. These devices, if left unsecured, can become easy targets for cyberattacks, enabling attackers to breach other network components. Organizations must proactively fortify their intricate and interconnected IT environments. This involves promptly patching vulnerabilities, implementing robust authentication measures and segregating networks to contain the propagation of malware.

The Mirai botnet attack in 2016 is a prime example of how vulnerable IoT devices can be exploited. The attack compromised thousands of IoT devices, such as cameras and routers, and used them to launch large-scale Distributed Denial-of-Service (DDoS) attacks. This case emphasizes the importance of securing all connected devices to prevent them from becoming entry points for cyberattacks.

Ransomware 2.0 goes beyond data encryption, introducing a new level of complexity. Unlike traditional ransomware that solely encrypts data, Ransomware 2.0 takes it a step further by stealing the victim's data before encrypting it. This malicious technique grants attackers leverage, even if the victim decides not to pay the ransom. In such cases, the attackers have the option to either leak the stolen data to competitors or publicly disclose sensitive personal information.

Rise of AI Threats

The landscape of cyber threats will include more sophisticated artificial intelligence techniques, such as advanced phishing campaigns and deepfakes[1]. Cybersecurity will see the adoption of specialized language models that provide more tailored and actionable insights to adapt swiftly to evolving threats.

Ransomware-as-a-Service (RaaS)

Ransomware continues to be a dominant threat, and its evolution is partly due to the growth of RaaS platforms.

Vulnerabilities in Supply Chains

Third-party risk management is being stretched thinner and thinner as organizations are using greater numbers of suppliers and service providers.

SANAN SANCIA.GADE

NEWS TODAY

ROLL NO:23071A6214

Targeting Critical Infrastructure

As technology advances, critical infrastructure is becoming a prime target for cybercriminals.

Diverse IoT Ecosystem

With the increasing use of IoT devices, securing these devices is becoming a key concern in cybersecurity.

Regulations and Cyber Resilience

New regulations require and will galvanize more cybersecurity expertise in the boardroom plus strategic risk management and third-party risk assessment to enhance cyber resilience.

Specialized Language Models:

In 2024, security teams will transition to small language models. These agile, specialized models will offer security teams access to tailored and actionable insights.

The latest news:

Police are investigating a virtual sexual assault of a girl's avatar, the chair of the Association of Police and Crime Commissioners has said.
Donna Jones said she had learned that a complaint was made in 2023, triggering a police inquiry.
The virtual incident did not result in physical harm but caused "psychological trauma", the Daily Mail has reported a source as saying.

The incident of virtual sexual assault on a girl's avatar in a VR game in 2023 led to a police investigation. The victim, under 16 at the time, experienced psychological trauma. The National Police Chiefs' Council (NPCC) has urged tech companies to enhance safety measures on their platforms.

The immersive nature of VR heightened the impact of the attack. Current criminal law requires physical contact for charges of rape and sexual assault, leading to debates about whether legal changes are necessary for prosecuting virtual attacks. Some suggest that existing laws against the creation of synthetic child abuse images could be used for prosecutions in virtual world cases.

In 2022, researcher Nina Jane Patel reported a similar experience in Meta's Horizon Venues, likening it to sexual assault. She expressed concerns about future technology potentially allowing someone to physically feel such virtual assaults.

future. The platform on which the attack occurred has not been confirmed, but Meta has stated that such behaviour is unacceptable on their platform, and they have protective measures in place. They also employ technologies designed to limit teenage users' exposure to offensive content and interactions with strangers.

Article by Faseeha F
I B.Tech/CSE-CYS

The Digital Shadows: Exploring the Menace of Cyberstalking

Introduction:

In the age of technology, our digital footprints often leave us vulnerable to unseen threats. One such perilous phenomenon is cyberstalking, a malicious act that thrives in the realm of the internet. This article aims to shed light on the insidious nature of cyberstalking, its prevalence in society, and the impactful actions taken to combat it.

Understanding Cyberstalking:

Cyberstalking refers to the use of digital communication tools such as social media, email, or messaging apps to harass, intimidate, or monitor an individual. Unlike traditional stalking, which occurs in physical spaces, cyberstalks invade victims' online privacy, leaving them feeling exposed and vulnerable. The methods employed by cyberstalks can range from incessant messaging and unwanted attention to threats of violence and identity theft.

Rate of Cyberstalking:

The rate of cyberstalking is alarmingly high, with millions of individuals falling victim to this form of harassment each year. According to statistics from various law enforcement agencies and advocacy groups, approximately 1 in 4 women and 1 in 13 men in the United States alone have experienced stalking in their lifetime, with a significant portion of these cases occurring online.

Example and Action Taken:

One poignant example of cyberstalking involves the case of Sarah, a young professional who became the target of relentless online harassment after ending a toxic relationship. Her ex-partner, unable to accept the breakup, resorted to cyberstalking, bombarding Sarah with threatening messages, tracking her location through social media check-ins, and even creating fake accounts to spread malicious rumours about her.

Fearing for her safety and mental well-being, Sarah sought help from law enforcement and cybercrime support organizations. With the assistance of legal experts and digital forensics teams, her stalker was identified and apprehended. Through swift action and collaborative efforts, Sarah was able to reclaim her sense of security and move forward from the trauma inflicted upon her.

Conclusion:

The prevalence of cyberstalking serves as a stark reminder of the dark side of our interconnected world. Yet, in the face of adversity, stories like Sarah's illuminate the resilience of the human spirit and the power of collective action. By raising awareness, advocating for stricter cyberstalking laws, and fostering a culture of digital empathy, we can work together to combat this pervasive threat and create a safer online environment for all.

In conclusion, let us stand united against cyberstalking, ensuring that no one has to endure the shadows of fear and intimidation in the digital realm.

By:

Faseeha Ahamed

CSE – Cyber Security

(23071A6213)

Recruiting a cyber security engineer is something that you hope is a waste of money.

A Meme by N. Tejesh
1 B.Tech/CSE-CYS

The Dark Web and Cyberbullying: An In-depth Exploration

Kids today have found a way to be really mean
all they have to do, is use their computer screen
talk about their classmates, with nothing to fear
knowing what they say, is there for all to hear.

To stop the cyberbully must use cyber force
cut them off from using the needed source
not able to use the web, will stop the evil deed
everyone else will stop, knowing the web's need.

Classes should be held to teach proper protocol
any suspension from the web, at first will be small
on the second offense, term should be a school year
bullying on the web will stop, if we make it clear.

Rishika.Desai
23071A6212
CSE-CYBER SECURITY

RULER OF THE WORLD – CYBER CRIME

Cyber Security....this is the most hearing word in the world right now but there is also a haunting word behind it i.e. *Cyber Crime*. The world is losing against the ongoing cyber crimes. If this continues the hackers become the rulers. So to get aware of cyber crimes, there are some awareness tips. To get aware of cyber crimes, it is not necessary to have knowledge on cyber security.
Some of the basic Dos and Don'ts to get aware:

DOs:
- Do change passwords frequently.
- Do have secure apps on the mobile phone.
- Do update mobile's software whenever it is needed.
- Do read articles on cyber security and cyber crimes.

DON'Ts:
- Do not share any personal credentials t others.
- Do not share OTPs.
- Do not click on suspicious mails.
- Do not answer the spam calls.
- Do not have catchy passwords like name/birthdate/1234 etc…
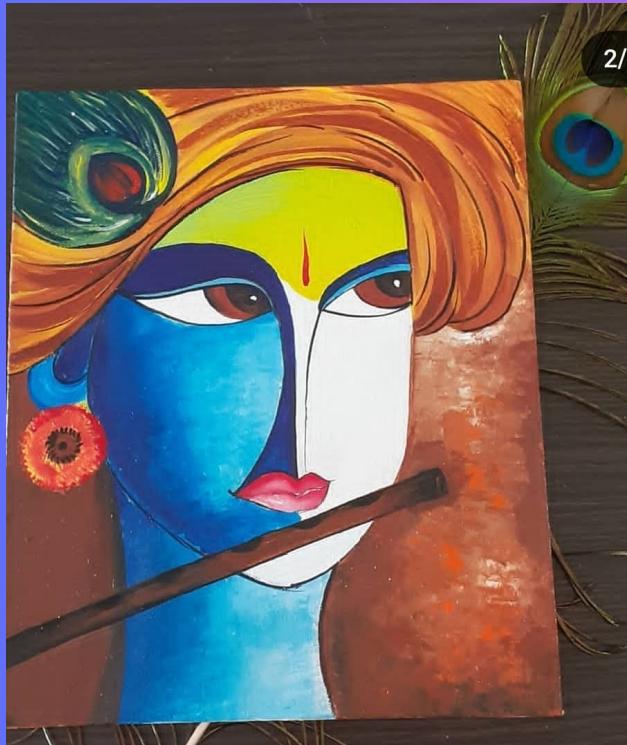
These are the basic tips to follow to protect ourselves from the cybercrimes.

BE PROACTIVE

K.SRI SHEERSHIKA
23071A6222
CSE-CYBER SECURITY
1st year

**Written works by
I B.Tech/CSE-CYS**

Y.VAISHNAVI
II B.Tech/CSE-CYS

WE WANT TO THANK EVERYONE WHO CONTRIBUTED TO THIS MAGAZINE. YOUR KNOWLEDGE AND EXPERIENCES HAVE MADE IT GREAT. WE ESPECIALLY WANT TO THANK THE CYBERSECURITY DEPARTMENT, FACULTY MEMBERS, AND THE COLLEGE COMMUNITY FOR THEIR HELP.

WE HOPE YOU ENJOY READING THIS MAGAZINE AND LEARNING MORE ABOUT CYBERSECURITY. WE HAVE INCLUDED INTERESTING ARTICLES AND PICTURES THAT WILL INSPIRE YOU AND HELP YOU UNDERSTAND THIS FIELD BETTER. WE DEDICATE THIS MAGAZINE TO THE CYBERSECURITY COMMUNITY.WE ARE EXCITED TO KEEP CONTRIBUTING TO THIS IMPORTANT FIELD OF STUDY.

YOURS TRULY:
1.RAGHAVENDRA SAI(CYS-2ND YEAR)
2.CHANDRA SEKHAR(CYS-2ND YEAR)
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