

2019-2020



OFFICE ORDER

With reference to the office order “CMRCET/PRIN/21/2014, Dated 13th July, 2019”, this is to inform all the faculty, staff and students that the following are members of the composition of Cyber Security Club for the academic year 2019-20.

The composition of Cyber Security Club Committee is as follows:

S.No.	Member & Designation			
1.	Chairman - Dr.V.A Narayan, Principal CMRCET			
2.	Convener – Mr. Siva Skandha Sanagala, Assoc.prof,CMRCET			
3.	Coordinator– Mr.B.Tulasidasu , Asst.prof,CMRCET			
4.	Faculty Members :			
	Sn	Name of the Faculty	Designation	Department
	1.	K.LOHESWARAN	Assistant Professor	CSE
	2	P.Ramesh	Assistant Professor	CSE
	3	Y.CHITTIBABU	Assistant Professor	ECE
	4	M.SUNEEL KUMAR	Assistant Professor	EEE
	5	Vinayak B. Naduvinamani	Assistant Professor	MECH
4.	Student Members :			
	Sno	Name of the Student	Branch	
	01	ADAPA AKHILA	CSE	
	02	SHIVAM KUMAR	CSE	
	04	Arif Ali	CSE	
	05	MA Irfan	CSE	
	06	Nomula Nandini	CSE	
	07	Jaswant Rathod	CSE	

[Signature]
Coordinator

[Signature]
Principal

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- a. Copy to:
 1. IQAC Coordinator
 2. Controller of Examinations
 3. All HODS
 4. Administrative Officer
 5. Accounts Officer
 6. Concerned Faculty

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CIRCULAR

All the members of Cyber Security Club of the college are hereby informed that, the Cyber Security Club committee meeting is scheduled on 10.08.2019 & the Venue is CSE Seminar hall at 1:00 pm. All are requested to be present on time.

The Agenda of the meeting is:

- To Discuss about the SOP, Objectives, Roles & Responsibilities.
- Understanding the Behavior of Threat Actors
- Security for the future
- Discuss Security Attacks and Preventions
- How to avoid Cyber Security in network



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Academic Year: 2019-20
CYBER SECURITY CLUB COMMITTEE
MINUTES OF MEETING

1. The Meeting was held on 10th August 2019 from 1:00 to 3:30 pm in the Department of CSE Seminar hall.
2. The Convener welcomed all the Club committee members
3. SOP was finalized during the meeting with Objectives, Roles & responsibilities

STANDARD OPERATING PROCEDURE OF CYBER SECURITY CLUB COMMITTEE

Purpose: The purpose of this committee is to form guidelines and procedures to be adopted for protect the usability, reliability, integrity and safety of the network.

Scope: With the advent of the modern technological age, people and surrounded things get connected with each other. For protecting those connections, there is a great need for the students of **all Engineering** to protect the security of these connections. The experts of this industry are trying to remove the threats but various scandals of big companies have become attractive attention. In the coming years, this market showed expected growth and is more likely to develop and rise.

Roles & Responsibility:


1. Monitor network and application performance to identify and irregular activity
2. Set up patch management systems to update applications automatically
3. Work with IT operations to set up a shared disaster recovery/business continuity plan
4. Work with HR and/or team leads to educate employees on how to identify suspicious activity

Frequency of committee meeting

- Four times in the every Academic Year. Every meeting at before starting the semester and end of semester.
- Committee may conduct meeting as and when required

I. Salient Aspects of Cyber Security Policy and Responsibility

- (a) Internet connections should be on standalone mode PCs only with no classified data on them. Strict air-gap to be main between Internet and Army networks.
- (b) No dial up access should be there on networked PCs. Official PCs will not be used to access Internet using mob phones/ USB dongles.
- (c) PCs should have strong booting and log on passwords.
- (d) No classified info to be stored on PCs permanently. Under no circumstances data classified as CONFID and above will be typed/ viewed on PA/Steno's PC.
- (e) PCs used for processing cl info will NOT be connected on Army One/ Internet/ any other network and these will not have internal CD/DVD writers.


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II. Software & Hardware Security

System Software.

- Users must use proper licensed version of the system software like Operating System and this must be periodically updated.
- Default setting in the system software must be reviewed during the installation and the same to be checked from time to time. Vendor supplied default user IDs (like Administrator, Guest) must be deleted or password changed before allowing users to access the computer system.
- Critical components of the network like switches, servers, routers and security appliance must be powered using redundant online Uninterrupted Power Supply (UPS) with automatic shutdown facility in case of power failure to prevent crashing of associate system software.


Application software.

- All application software development will ensure secure coding practices such as Input data validations, checking for internal processing errors, output data validation, buffer overflow and use of minimum privileges for execution.
- The application software, both being developed in house or procured throughout outsourcing, also needs to be clear of any embedded malicious codes. The developing agency be asked to certify the same. Care needs to be taken to choose to a trusted developing agency with credible capability of producing error-free software.
- All computer issued to the environment are the property of the org for carrying out official tasks only. Only those applications will be installed in the network resources as are needed for official purposes

Hardware Security

- Hot-Standby Systems. Critical servers, at all nodes must always run with hot standby systems. Other servers must provision back up of their data through auxiliary storage devices, wherever possible.
- UPS Devices. All computer systems must always run with UPS devices. Online UPS devices must be used for all access/control equipment at all communication nodes and other types of UPS may be used for other computers.
- While procuring IT related hardware, the structured evaluation process, in vogue, be resorted to with the info security features duly identified within the Request for Proposal Compliance of these features be confirmed during installation and Acceptance Testing process. Necessary provisions be included in the contract document to allow up-gradation/modification to hardware by the seller to ensure desired info security.

User Awareness, Security Checks and Reporting of Security Breach



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- Security of info especially in the context of cyber security is dynamic. All users of the computers and networks need to be aware about cyber security and must exercise better security consciousness.
- A six-monthly cyber security audit will be carried out in the HQ Dte Gen NCC by a bd of offr. Proper records of such audit will be maint and a report will be fwd promptly if any security breach is detected/ reported. Imp DOs and DON'Ts on cyber security for all users are given at att appx.
- Upon discovery of cyber security breach/ loss, report to be initiated on such occurrence and subsequent investigations will be carried as per instrs contained in classification and handling of classified documents 2001.

IMP CYBER SECURITY DOs AND DON'Ts FOR ALL USERS

Dos. Users are advised to observe the following Dos:-

- Do use computer lock when not in use to avoid unauth access. Do use passwords for:-
 - (i) Booting and screensaver.
 - (ii) Login/access to computer
 - (iii) Access to indl files/ folders.
- Do keep the backup data on CDs/DVDs which are kept in safe custody and are properly accounted for.
- Do keep only system files and programs on hard disk as far as possible.
- Do copy data/files created after each session on removable media like floppies/CDs and keep it at physically secure place.
- Do erase data/files by shredding from the hard disk.
- Do log off PCs in a network to obviate unauthorized client stations accessing e-mails and stored files.
- Do avoid networked configuration file sharing to rule out access by unauthorized persons.
- Do open email-box regularly and scrutinize its contents. Info/ data not required must be deleted periodically.
- Do scan external storage media for viruses before these are used on computers.
- Do report questionable/unidentified files on your PC.
- Do report any loss of media immediately to offr auth to ensure cyber security in the br/sec/est.



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Don'ts. Users are advised to observe the following Don'ts:-

- Don't give access to the computer to any outside/ unauth pers and Don't disclose your password to any unauthorized pers.
- Don't permit copying of files/ info from your computer to any outsider.
- Don't let the vendor/ mech take away hard disk in the event of a hard disk crash /failure. If it is certified that the disk is unserviceable, it will be removed and destroyed by a bd.of offrs.
- Don't use external storage media on your computer unless scanned for virus . Virus can destroy all the files on your hard disk.
- Don't connect modem with any PC other than the Internet PC being used in a standalone mode.
- Don't use default configurations.

Composition

1. Principal act as a Chairman of the cultural club Committee.
2. One senior faculty member to be appointed as a program Convener by the head of the Institution.
3. Faculty and student members from each department who show interest in Arts.

S. No.	Composition	In charge
1	Dr.V.A Narayan, Principal CMRCET	Chairman
2	Mr. Siva Skandha Sanagala, Assoc.prof ,CMRCET,	Convener
3.	Mr.B.Tulasi Dasu, Asst.prof,CMRCET	Coordinator
3	1. K.LOHESWARAN 2. Mr. P.Ramesh 3. Mr. Y.CHITTIBABU 4. Mr. M.SUNEEL KUMAR 5. Mr .Vinayak B. Naduvnamani	Faculty Members
4	1. NAMA KAPIL KALYAN 2. G VISHAL 3. MEGHNA NAYAL 4. Mr M Surya 5. POLOJU VEENA 6. VASA KARTHIK 7. RAPOLU RAVI TEJA	Student Members


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The List of CYBER SECURITY CLUB Committee members attended the meeting:

S.No	Name of the member	Designation =	Position	Signature
1.	Dr.V.A Narayan	Principal	Chairman	
2.	Mr S.Siva Skanda	Associate Professor	Convener	<i>S.Skanda</i>
	Mr.B.Tulasidasu	Assistant Professor	Coordinator	<i>B.Tulasidasu</i>
3	K.LOHESWARAN	Assistant Professor	Member	<i>K.Loheswaran</i>
4	Mr. P.Ramesh	Assistant Professor	Member	<i>P.Ramesh</i>
5	Mr. Y.CHITTIBABU	Assistant Professor	Member	<i>Y.Chittibabu</i>
6	Mr. M.SUNEEL KUMAR	Assistant Professor	Member	<i>M.Suneeel Kumar</i>
7	Mr .Vinayak B. Naduvinamani	Assistant Professor	Member	<i>Vinayak B.</i>

S.Skanda
Convener

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Copy to:

1. IQAC coordinator
2. Concerned Faculty

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CMR COLLEGE OF ENGINEERING & TECHNOLOGY

Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 29.08.2019

To
IQAC
CMRCET
Medchal
Kandlakoya

Subject : Requesting approval to conduct the program of the **CYBER SECURITY CLUB** for the A.Y 2019-20.

I, Mr.B.Tulasidasu, coordinator of the **CYBER SECURITY CLUB** and Assistant professor of CSE department earnestly requesting your permission to conduct the following events.

Following is the schedule of events to be conducted under **CYBER SECURITY CLUB** for the Academic Year 2018-19

S.No	Program	Date
1	Implementation of hacking code	28/09/2019
2	Implementation of application android	20/12/2019
3	Implementation of Sqlite Database	09/03/2020

I request you to grant me permission and do the needful

Thanking you,

Recommended
[Signature]

[Signature]

[Signature]
Coordinator

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Date: 20/09/2019

To.
The Principal
CMRCET
Kandlakoya (V)
Hyderabad.

Dear Sir

Sub: Requesting permission to conduct an Implementation of hacking code

I, Mr. B. Tulasidasu, coordinator of the **CYBER SECURITY CLUB** and Assistant professor of CSE department earnestly requesting your permission through IQAC Co-Ordinator to conduct an Cyber Security Club.


1. Date of Event : 28/09/2019
2. Name of event : Implementation of hacking code
3. Venue of event: Android Lab Block II , Room no 113
4. Target audience: students
5. Faculty, staff and students involved in the event: List Enclosed.

I request you to grant me permission and do the need full.

Thanking you

Yours sincerely


(B.Tulasi Dasu)

Permitted

20/9/19


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CMRCET/PRIN/IT/AY2019-20/CIR-04

Date: 26/09/2019

CIRCULAR

All the students of **CYBER SECURITY CLUB** are invited to participate in Implementation of hacking code with Hacking Techniques

Event Details:

Date: 28/09/2019

Time: 01:00 PM to 4:00 PM

Venue: Android Lab 113, Block-II.

Contact: Mrs B Tulasi Dasu, Coordinator (9676073625).


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- (1) Deans
- (2) IQAC Coordinator
- (2) All HODS
- (3) Administrative Officer
- (4) Accounts Officer
- (5) Concerned Students members
- (6) Concerned Faculty Members


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REPORT ON Implementation of hacking code on 28th September 2019

In our College we are conducting Cyber Security Club of **Hacking for beginners** I started my journey learning about web application security at the beginning of this year(2019), after being rejected for a front-end developer job. After that I looked back at why I had started to learn to program and I remember telling myself that I wanted to learn how to hack - that was about 4 years ago, at which time I bought the following books:

1. The Basics of Hacking and Penetration Testing, Second Edition: Ethical Hacking and Penetration Testing Made Easy
2. The Hacker Playbook 2: Practical Guide To Penetration Testing
3. Rtfm: Red Team Field Manual

I started reading and not understanding anything, but I kept trying, using Google and YouTube to do research, at one point I decided to go back to the basics, and started to look for resources to learn how to program. I eventually found a course on coursera which taught me how to build web applications. I failed a bunch of times, taking hours to troubleshoot small problems(looking at you syntax errors), trying to understand CS concepts and smash my head until that "AHA!" moment would come. I enjoyed challenging myself and learning new things but up until that point I had learned and not put into practice anything I learned. I took courses online and bought some really good course material - which has been super helpful but at some point I forgot why I started this whole journey, that is until I got rejected from the job I applied for. After being rejected the "**Impostor Syndrome**" kicked in, and I couldn't help but feeling like I didn't know what I was doing, but then I found the hacker101 CTF which allows you to solve challenges and get flags which turn into points which eventually turn into invitations to private programs where your chance to find a vulnerability and get paid increases.

I started doing the CTF and got completely lost - after the first challenge. Then I hopped on twitter to see if I could find someone doing the CTF as well - using my awesome OSINT skills I looked up #hacker101 and found a user(@nemessisc) that had started a Discord server for people who were doing the CTF, and shot her a message asking her if I could join, she sent the invite and this is where it got interesting. I found the most amazing community there, full of people who were also doing this CTF and struggling just like me, sharing resources and just overall being friendly. It's awesome and I have made so many friends through there, some are expert hackers that have been featured in the NEWS others are beginners just like me, and we all help each other.

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