Report for AY 2022-23

Name of Club: Information Security and Digital Forensics Club

VISION

To become a Center of Excellence in the field of Information Security and Digital Forensics
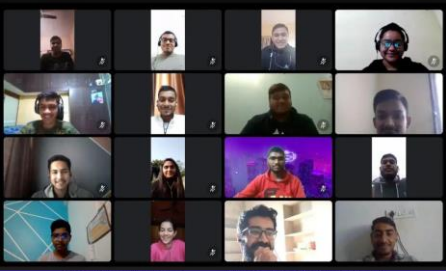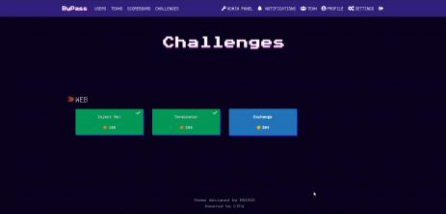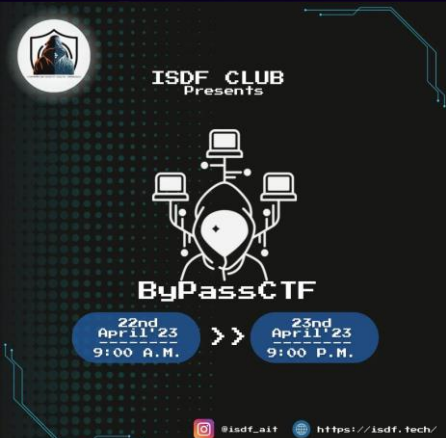
MISSION

- To provide the necessary resources and infrastructure to staff and students for solving information security and forensics related problems.
- To collaborate with various industries, research laboratories and academic institutes to cater the need of information security community.
- To encourage and motivate students and staff towards innovative and creative thinking in an effective way to conduct research in ISDF domain.

Name of faculty in-charges	
1.	Dr. Sagar Rane
2.	Prof. Aparna Joshi
3.	Prof. Mangesh Hajare
Name of Student Secretaries	
1.	Tarun Mishra
2.	Kamakshi Dixit
Budget Allocated by Institute	Rs 1.5 Lakhs
Sponsorship received	Rs 03 Lakhs

Name of activities/events conducted

Sr No.	Name of activity	Type (Inter college/ Intra college)
1.	ByPass CTF	Inter College
2.	Basics of Networking and Introduction to Kali Linux	Intra College
3.	Basic Linux Commands and Capture The Flag	Intra College
4.	Session on Password Cracking	Intra College
5.	Basics of Shell Scripting	Intra College
6.	Cyber Talks	Intra College
7.	Blockchain Technologies and Applications	Inter College

Reports of all activities/events
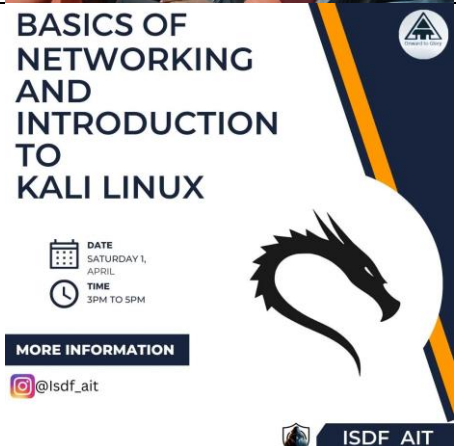
Bypass CTF

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	https://www.instagram.com/p/Cq9aYk2ImrK/ , https://www.linkedin.com/posts/isdf-ait_cybersecurity-ctf-capturetheflag-activity-7052232367955951616-wSkx
Academic Year	2022-23
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	ByPass CTF
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Intercollege event
Start Date	22 April, 2023
End Date	23 April, 2023
Mode of event (offline/online)	Online
Number of Student Participants	500
Number of Faculty Participants	1
Number of External Participants, If any	450
Expenditure Amount, If any	64,000
Objectives of activity (min 2)	1.Security Awareness 2.Problem Solving 3.Competitive Spirit
Description of activity(50-150 words)	"Bypass CTF" typically refers to a Capture The Flag (CTF) competition or challenge related to cybersecurity and information security. CTFs are contests or challenges where participants are presented with a series of tasks, puzzles, or security scenarios that require them to use their skills and knowledge to uncover vulnerabilities, solve problems, and "capture flags" or hidden pieces of information to earn points. Bypass CTF, like other CTFs, focuses on various aspects of cybersecurity and can include challenges related to penetration testing, reverse engineering, cryptography, and other security domains.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Tarun Mishra, Prince Patel

Video URL (optional)	https://www.instagram.com/reel/CrC-AIuPhZf/?igshid=MzRlODBiNWFlZA%3D%3D
Geo tagged Photograph1 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	
Geo tagged Photograph2 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	
Session plan/Brochure/Document/overall report of the activity **(JPEG or PDF Format max size 2 Mb)**	

Basics of Networking and Introduction to Kali Linux

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isdf_ait) • Instagram photos and videos
Academic Year	2022-23
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Basics of Networking and Introduction to Kali Linux
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Workshop
Start Date	01-04-2023

End Date	01-04-2023
Mode of event (offline/online)	Offline
Number of Student Participants	60
Number of Faculty Participants	1
Number of External Participants, If any	
Expenditure Amount, If any	1000
Objectives of activity (min 2)	1.Understanding Networking Concepts 2.Network Security 3.Understanding Kali Linux 4.Installation , Configuration and basic
Description of activity(50-150 words)	The "Basics of Networking and Introduction to Kali Linux" course provides a strong foundation in networking fundamentals while offering participants an initial introduction to the Kali Linux operating system. This combination of skills and knowledge is valuable for individuals interested in entry-level networking roles and ethical hacking. In this session attendees learn about The Understanding of Networking Concepts,Network Security and Understanding Kali Linux, Installation , Configuration and basic Commands of Kali Linux. 1.Understanding Networking Concepts 2.Network Security 3.Understanding Kali Linux 4.Installation , Configuration and basic Commands of Kali Linux The "Basics of Networking and Introduction to Kali Linux" course provides a strong foundation in networking fundamentals while offering participants an initial introduction to the Kali Linux operating system. This combination of skills and knowledge is valuable for individuals interested in entry-level networking roles and ethical hacking. In this session attendees learn about The Understanding of Networking Concepts,Network Security and Understanding Kali Linux and Operations.

Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Tarun Mishra
Video URL (optional)	
Geo tagged Photograph1 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	
Geo tagged Photograph2 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	
Session plan/Brochure/Document/overall report of the activity **(JPEG or PDF Format max size 2 Mb)**	

Basic Linux Commands and Capture The Flag

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isdf_ait) • Instagram photos and videos
Academic Year	2022-23
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Basic Linux Commands and Capture The Flag
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	workshop
Start Date	17-04-2023
End Date	17-04-2023

Mode of event (offline/online)	Offline
Number of Student Participants	50
Number of Faculty Participants	1
Number of External Participants, If any	
Expenditure Amount, If any	1000
Objectives of activity (min 2)	1.Linux Familiarity 2.CTF Overview
Description of activity(50-150 words)	In Basic Linux Commands and Capture The Flag session ,the participate had learn about- -CUI vs GUI -Linux Command Basics -File and Directory Management -Text Manipulation -System Administration Kali Linux is a popular Linux distribution designed for penetration testing, ethical hacking, and cybersecurity tasks. It comes with a wide range of pre-installed tools for security testing, forensics, and network analysis. Capture The Flag (CTF) sessions are cybersecurity competitions that challenge participants to solve a series of security-related puzzles and challenges.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Tarun Mishra, Prince Patel
Video URL (optional)	
Geo tagged Photograph1 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	
Session plan/Brochure/Document/overall report of the activity **(JPEG or PDF Format max size 2 Mb)**	

Session on Password Cracking

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isdf_ait) • Instagram photos and videos
Academic Year	2022-23
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Session on Password Cracking
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	workshop
Start Date	07-05-2023
End Date	07-05-2023
Mode of event (offline/online)	Offline
Number of Student Participants	60
Number of Faculty Participants	1
Number of External Participants, If any	0
Expenditure Amount, If any	1000
Objectives of activity (min 2)	1.Security Awareness 2.Ethical Hacking 3.Password Recovery
Description of activity(50-150 words)	Password cracking is the process of attempting to discover or guess a user's password, typically for the purpose of gaining unauthorized access to a computer system, online account, or protected data. It's important to note that password cracking can have both legitimate and malicious purposes. Legitimate uses include password recovery, security testing, and ethical hacking, while malicious use involves unauthorized intrusion and cyberattacks. Password cracking session is an educational event aimed at teaching participants about password security, vulnerabilities, and techniques used by both malicious hackers and ethical cybersecurity professionals. The focus is on responsible and ethical use of this knowledge to improve the security of systems and networks.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane

Student Name (student involved in organizing event)	Tarun Mishra, Pankaj Rai, Vaibhav, Prince, Tejaswini
Video URL (optional)	
Geo tagged Photograph1 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	
Geo tagged Photograph2 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	
Session plan/Brochure/Document/overall report of the activity **(JPEG or PDF Format max size 2 Mb)**	

BASICS OF SHELL SCRIPTING

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isdf_ait) • Instagram photos and videos
Academic Year	2022-23
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Basics of shell scripting
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Workshop
Start Date	10-06-2023

End Date	10-06-2023
Mode of event (offline/online)	Offline
Number of Student Participants	50
Number of Faculty Participants	1
Number of External Participants, If any	0
Expenditure Amount, If any	1000
Objectives of activity (min 2)	1.Automation 2.Troubleshooting & Debugging 3.Monitoring and Reporting
Description of activity(50-150 words)	Shell scripting is an essential skill for system administrators, developers, and anyone involved in system maintenance and automation. It offers a way to efficiently manage and control computer systems through simple text-based instructions. Whether it's automating system tasks or performing data analysis, shell scripting is a valuable tool in the world of information technology.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Tarun Mishra, Pankaj Rai, Vaibhav, Prince, Tejaswini
Video URL (optional)	
Geo tagged Photograph1 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	
Session plan/Brochure/Document/overall report of the activity **(JPEG or PDF Format max size 2 Mb)**	

CYBER TALKS

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	ISDF Club of AIT (@isdf_ait) • Instagram photos and videos
Academic Year	2022-23
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	Cyber Talks
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	Intra College
Start Date	02-11-2022
End Date	02-11-2022
Mode of event (offline/online)	Offline
Number of Student Participants	200
Number of Faculty Participants	4
Number of External Participants, If any	-
Expenditure Amount, If any	2500
Objectives of activity (min 2)	1.Skill Development 2.Education and Awareness 3.Industry Updates
Description of activity(50-150 words)	"Cyber talks" typically refer to discussions, presentations, lectures, or conferences that focus on topics related to cybersecurity, information security, and the broader field of computer security. These talks provide a platform for experts, professionals, researchers, and enthusiasts to share their knowledge, insights, and experiences in various aspects of cybersecurity. Talks focus on ethical hacking, penetration testing, and security assessment techniques. Participants learn how to identify vulnerabilities and secure systems against attacks.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Tarun Mishra, Pankaj Rai, Kamakshi Dixit
Video URL (optional)	
Geo tagged Photograph1 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	

Geo tagged Photograph2 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	
Session plan/Brochure/Document/overall report of the activity **(JPEG or PDF Format max size 2 Mb)**	

Blockchain Technologies and Applications

Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	Not Available
Academic Year	2022-23
Name of coordinator	Dr. Sagar Rane
Program/Activity/Name	FDP on Blockchain Technologies and Applications
Select one of the Program Type (Workshop/FDP/Seminar/conference/intercollege event/intra college event/ other)	FDP
Start Date	10-10-2022
End Date	21-10-2023
Mode of event (offline/online)	Online / Offline
Number of Student Participants	05
Number of Faculty Participants	48
Number of External Participants, If any	48
Expenditure Amount, If any	Rs. 300000 /-

Objectives of activity (min 2)	The primary objective of the Blockchain Faculty Development Program is to enable participants to become proficient in blockchain technology and its multifaceted applications. This program equips participants with the expertise to teach, research, or work with blockchain effectively.
Description of activity(50-150 words)	A Blockchain Faculty Development Program (FDP) is an educational initiative designed to empower educators, researchers, and professionals with the knowledge, skills, and resources needed to effectively engage with and teach blockchain technology. This FDP is typically a structured program that spans a defined period, such as a few weeks or months, and aims to equip participants with a comprehensive understanding of blockchain and its applications.
Faculty Name (Faculty involved in organizing event)	Dr. Sagar Rane
Student Name (student involved in organizing event)	Tarun Mishra, Pankaj Rai, Vaibhav, Prince, Tejaswini
Video URL (optional)	https://aitpuneedu-my.sharepoint.com/:f:/g/personal/sagarrane_aitpune_edu_in/EoMZ49FN5j1Oh7o97_4A2fsBuFM38tQ5aEOTwd3b_N17Lw?e=Zx7uzP
Geo tagged Photograph1 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	
Geo tagged Photograph2 **(JPEG Format max size 2 Mb which shows strength of audience /participants with speaker)**	

Session plan/Brochure/Document/overall report of the activity
(JPEG or PDF Format max size 2 Mb)