Department of Information Technology

Academic Year :- 2021-22	Class:- BE
Semester :- I	Date :- 20/12/2021
CO : - 5,6	PO :- 2,8,10

Innovative Teaching Methods

Title of Innovation method/activity: Evidence Based Learning

1. Name of Faculty: Ms. T. S. Pawar

2. Subject: Information and Cyber Security

3. Objective of Method:

1. To analyze real time example of cyber-crime happened in real time.

2. To improve writing skill

Top	Name of Student	Topic
1	Vaibhav Bhaskar Adke	StockX cyber attack 2019
2	Ankita Satish Aher	Crelan Bank Phishing Attack
3	Nikita Pandharinath Avhad	Mirai Botnet Malware Attack
4	Athang Vijay Bachhav	Scripps Health Malware Attack
5	Prajakta Keshav Bankar	Solarwinds Supply Chain Attack
6	Tejashri Avinash Bhalerao	The Github Attack In 2018
7	Vidhi Pravin Bhansali	Cyber Attack On Linkedin
8	Omkar Gokul Borade	Ransomware Attack In Harris Federation UK In 2021
9	Vrushali Yashwant Borse	Yahoo Attack In August 2013(Impact On 3 Billion Accounts)
10	Pranav Shrikant Chanagond	2012 global payment systems data breach
11	Vaibhav Dilip Chavan	Lockergoga, Ransomware, 2019
12	Preeti Srinivasrao Chintaluri	Colonial Pipeline Cyber Attack
13	Harshada Sanjay Deshmukh	Wannacry, Ransomware, 2017
14	Soham Dhananjay Deshpande	Accenture Cyber Attack

15	Piyush Arvind Dhamne	Cosmos Bank Cyber Attack In Pune
16	Ruchika Suryabhan Gaidhani	Netease Attack Of Oct 2015
17	Shraddha Ramesh Gaikwad	Sony's Playstation Network
18	Snehal Sunil Gaikwad	2007 Cyberattacks On Estonia
19	Bhavana Anil Gangurde	All has was breaking loose: How hackersforced a mega college to close
20	Tushar Shashir Girnare	Health Service Executive Attack (Ireland)
21	Lochana Avinash Jadhav	Sim Swap Scam
22	Kavita Dullabh Jadhav	Ukraine's Power Grid Attack
23	Vaishnavi Sanjay Joshi	The Google Attack, 2020
24	Avinash Sudam Karad	AB
25	Pavan Rajaram Karwande	AB
26	Revati Neminath Kashmire	Merck cyber attack 2021
27	Disha Sanjay Kharche	Baltimore Ransomware Attack 2019
28	Pratik Prakash Khule	The Economic Incentives for Sharing Security Information
29	Sumit Sanjay Kor	Marriott International (Starwood) data breach
30	Shubham Pramod Kothari	Ransomware Attack On Colonial Pipeline In The U.S. 2021
31	Akanksha Shankar Kotwal	BSNL malware attack
32	Mohit Subhash Mahajan	Cryptolocker, Ransomware, 2013
33	Shripad Kiran Mahurkar	Microsoft Exchange Server Data Breach 2021
34	Prachi Dinkar Matsagar	The U.S. National Aeronautics And Space Administration (NASA) Cyber Attack
35	Fatema Hasan Merchant	TV5Monde April 2015 Cyber Attack-France
36	Sandesh Ambadas More	Equifax Data Breach US 2017
37	Abhinandan Anil Nahar	Ukraine Power Grid Attack
38	Shubham Bhausaheb Nere	Pegasus Spyware Attack
39	Pooja Rajendra Nikam	Westpac cyber attack 2019
40	Shubham Vasant Nikumbh	Twitter Cyber Attack 2020
41	Roshni Nandkishor Pagar	Carnival Corporation Data Breach
42	Sakshi Yashwant Pagar	American Medical Collection Agency (AMCA),May 2019
43	Payal Anil Pagariya	Facebook User Data Leak
44	Rohan Dadasaheb Parkhe	TJX cyber attack
45	Parth Harshad Patel	1988 – The First: The Morris Worm
46	Aashlesha Kamalakar Patil	Adobe Cyber Attack
47	Vrushali Ishwar Patil	Flubot Scam Australia
48	Aditya Ravindra Pawar	Dropbox data breach 2012

49	Kaustubh Vivekanand Pawar	Pune Mphasis Call Centre Attack
50	Abhijeet Prakash Pawar	Cyber Attack on Air India, May 2021
51	Tejaswini Nandu Phad	Ransomware attack on Acer, 21 march 2021
52	Sakshi Gotiram Pimpare	Cyber Attack on Goodwill industries in September 2014 (21 states affected)
53	Bhanudas Nivrutti Rane	Kaseya Attack
54	Nupur Mukund Rathod	Google China Hit By Cyber Attack
55	Atharva Jitendra Sarda	Laus Cyberattack In Ireland In 2019
56	Rucha Ashok Sawant	Canara Bank Atm System Hacked 2018
57	Aagam Amish Shah	Atlanta Government Ransomware Attack
58	Achal Kirti Shah	Seyfarth Shaw Malware Attack
59	Rohan Ananda Shelar	Zero day attack on Android
60	Rohit Sanjay Shimpi	SBI Data Breach
61	Rohit Balasaheb Shinde	Cyber attack on ebay
62	Rutvik Ratan Sonawane	Quora data breach 2018
63	Swarali Rajesh Tannu	Zoom's Data Breach
64	Prachi Pandurang Thete	Telegram Hijack
65	Shubham Annasaheb Thok	FBI probes cyber attack
66	Vaishnav Dada Thombare	2014 Cyber Attack On Yahoo
67	Meghna Satish Verma	UIDAI Aadhaar Software Attack
68	Manasi Dilip Wagh	The 2007 Estonia Cyber Attack
69	Avimit Anand Wagh	MafiaBoy causes $1billion in damage
70	Noor Mushtaq Nagaonkar	AB
71	Rajeshwari Bhagwan Patil	Covidlock, ransomware 2020
73	Kshitija Sunil Aher	Alibaba November 2019 Attack, Crelan Bank Phishing Attack
74	Payal Govardhan Thorat	Tesco bank customer real money
75	Sailee Vidyanand Patil	Stuxnet Worm 2010
76	Amol Anil Bhosale	Data Breach on Whiteht Jr.
77	Omkar Kishor Gaikwad	2014 Jpmorgan chase data breach
78	Bharat Kishanlal Sharma	Chinese Regulator Probes Weibo Data Breach

4. Description of method with Benefits:

Evidence-based refers to any concept or strategy that is derived from or informed by objective evidence-most commonly, educational research. Theoretical material regarding Cyber Crime and its type was provided to students in advance on Unit V: Introduction to Cyber Crime and where asked to study and prepare report on Cyber Crime happened in Real Time.

- **The method Impact:**

Each student studied and prepared report on different topic. It helped students to analyzing the topic in details and preparing concluding remarks on the same..

Roles and Responsibilities:

- **Teacher**

  - Provision of theoretical material Provide Format to Prepare Case Study
  - Finalize topics of students on first come first serve basis
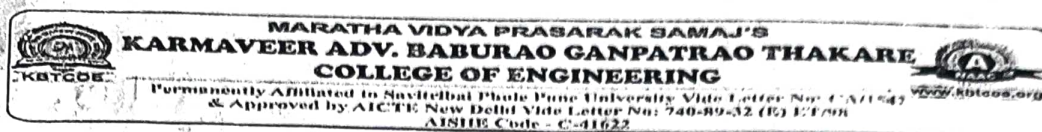 - Prepare assessment methodology

- **Student**

  - Search for Cyber Crime happened in Real Time on Internet and submit to course teacher
  - Once topic assigned understand and gain knowledge on topic through Internet resources.
  - Prepare report and concluding remark.
  - Explain topic while submission of report.

5. Assessment Tools & Rubrics:

Sr. No	Name of Method	Evaluation Criteria	SC	Excellent (8-10M/ 5M)	Satisfactory (6-8M/ 3-4M)	Poor (0-6M /1-2M)
01	Evidence Based Learning	Description	05	Clear, Effective & Complete	Satisfactory	Less Quality and Incomplete
		Conclusion and references	05	Clear, Effective, Complete and references 5 onwards	Satisfactory and references 3 to 4	Less Quality and Incomplete and references Less than 3
		Organization and documentation	03	Well organized and Complete Documentation	Satisfactory Documentation	Poor and Incomplete Documentation
		Timely submission	02	Within deadline	Two days after deadline	Four days after deadline

6. Evaluation Sheet

MARATHA VIDYA PRASARAK SAMAJ'S
KARMAVEER ADV. BABURAO GANPATRAO THAKARE
COLLEGE OF ENGINEERING
Permanently Affiliated to Savitribai Phule Pune University Vide Letter No: CA/154/
& Approved by AICTE New Delhi Vide Letter No: 740-89-32 (E) ET/98
AISHE Code - C-41622

Department of Information Technology

Class: BE (2021-22)   Date of submission: 20/12/2021

ICS- Evidence Based Learning

R. No.	Name	Content and Description (5)	Under-standing (5)	Report writing (3)	Timely Submission (2)	Total (15)	Sign
1	VAIBHAV BHASKAR ADKE	4	4	2	2	12	
2	ANKITA SATISH AHER	5	5	3	2	15	
3	NIKITA PANDHARINATH AVHAD	5	5	3	2	14	
4	ATHANG VIJAY BACHHAV	5	5	2	2	14	
5	PRAJAKTA KESHAV BANKAR	3	4	3	2	12	
6	TEJASHRI AVINASH BHALERAO	4	3	3	2	12	
7	VIDHI PRAVIN BHANSALI	4	4	3	2	13	
8	OMKAR GOKUL BORADE	5	5	2	2	14	
9	VRUSHALI YASHWANT BORSE	5	4	2	2	13	
10	PRANAV SHRIKANT CHANAGOND	4	4	2	2	12	
11	VAIBHAV DILIP CHAVAN	3	4	2	2	11	
12	PREETI CHINTALURI	4	5	3	2	14	
13	HARSHADA SANJAY DESHMUKH		AB				
14	SOHAM DESHPANDE	5	5	1	2	13	
15	PIYUSH ARVIND DHAMNE	3	4	1	2	10	
16	RUCHIKA GAIDHANI	3	5	3	2	13	
17	SHRADDHA RAMESH GAIKWAD		AB				
18	SNEHAL SUNIL GAIKWAD	4	3	1	2	10	
19	BHAVANA ANIL GANGURDE	3	3	2	2	10	
20	TUSHAR SHASHIR GIRNARE	4	4	2	2	12	
21	LOCHANA AVINASH JADHAV	4	3	1	2	10	
22	KAVITA DULLABH JADHAV	4	3	3	2	12	
23	VAISHNAVI SANJAY JOSHI	4	3	2	1	10	
24	AVINASH SUDAM KARAD		AB				
25	PAVAN RAJARAM KARWANDE		AB				
26	REVATI NEMINATH KASHMIRE	3	3	2	2	10	
27	DISHA SANJAY KHARCHE	3	3	2	2	10	
28	PRATIK PRAKASH KHULE	5	5	3	2	15	
29	SUMIT SANJAY KOR	4	3	2	2	11	
30	SHUBHAM PRAMOD KOTHARI	4	4	2	2	12	
31	AKANKSHA SHANKAR KOTWAL	3	3	3	2	11	
32	MOHIT SUBHASH MAHAJAN	4	4	2	1	12	
33	SHRIPAD KIRAN MAHURKAR	5	5	2	2	14	
34	PRACHI DINKAR MATSAGAR	5	5	2	2	14	
35	FATEMA HASAN MERCHANT	3	3	2	2	10	
36	SANDESH AMBADAS MORE	5	5	3	2	15	

R. No.	Name	Content and Description (5)	Understanding (5)	Report writing (3)	Timely Submission (2)	Total (15)	Sign
37	ABHINANDAN ANIL NAHAR	4	4	3	2	13	
38	SHUBHAM BHAUSAHEB NERE	5	4	3	2	14	
39	POOJA RAJENDRA NIKAM			AB			
40	SHUBHAM VASANT NIKUMBH	4	3	2	1	10	
41	ROSHNI NANDKISHOR PAGAR	2	3	2	2	9	
42	SAKSHI YASHWANT PAGAR	4	4	3	2	13	
43	PAYAL ANIL PAGARIYA	4	4	3	2	13	
44	ROHAN DADASAHEB PARKHE	5	5	2	2	14	
45	PARTH HARSHAD PATEL	4	3	2	2	11	
46	AASHLESHA KAMALAKAR PATIL	5	4	2	2	13	Aashlesha
47	VRUSHALI ISHWAR PATIL	4	5	3	2	14	
48	ADITYA RAVINDRA PAWAR	4	4	2	2	12	
49	KAUSTUBH PAWAR	4	4	2	1	11	
50	ABHIJEET PRAKASH PAWAR	5	4	2	2	13	
51	TEJASWINI NANDU PHAD	4	4	2	2	12	
52	SAKSHI GOTIRAM PIMPARE	3	3	2	2	10	
53	BHANUDAS NIVRUTTI RANE	5	5	3	2	15	
54	NUPUR MUKUND RATHOD	5	4	2	2	13	
55	ATHARVA JITENDRA SARDA	4	4	2	2	12	
56	RUCHA ASHOK SAWANT	5	5	3	2	15	
57	AAGAM AMISH SHAH	5	5	2	2	14	
58	ACHAL KIRTI SHAH	4	5	3	2	14	
59	ROHAN ANANDA SHELAR	5	5	3	2	15	
60	ROHIT SANJAY SHIMPI	5	4	2	2	13	
61	ROHIT BALASAHEB SHINDE	2	2	2	1	7	
62	RUTVIK RATAN SONAWANE	5	5	3	2	15	
63	SWARALI RAJESH TANNU	5	4	2	2	13	
64	PRACHI PANDURANG THETE	5	5	2	2	14	
65	SHUBHAM ANNASAHEB THOK	5	5	2	2	14	SAhok
66	VAISHNAV DADA THOMBARE	4	3	2	2	11	
67	MEGHNA SATISH VERMA	5	5	3	2	15	
68	MANASI DILIP WAGH	5	5	3	2	15	
69	AVIMIT ANAND WAGH	4	4	3	1	12	
70	NOOR MUSHTAQ NAGAONKAR			AB			
71	RAJESHWARI BHAGWAN PATIL	4	4	2	2	12	
73	KSHITIJA SUNIL AHER	4	4	2	2	12	
74	PAYAL GOVARDHAN THORAT	5	4	2	2	13	
75	SAILEE VIDYANAND PATIL	5	5	2	2	14	
76	AMOL ANIL BHOSALE	3	3	2	1	9	
77	OMKAR KISHOR GAIKWAD	4	3	2	2	11	
78	BHARAT KISHANLAL SHARMA	3	3	2	1	9	

Subject Teacher

Sr. No.	Result Analysis	
1	Total Student Present	71
2	Number of Student Scoring above 60%	70
3	Percentage of student Scoring above 60%	98.59%

7. Impact Analysis:

| Questions	3 – Strongly Agree / Excellent	2 – Agree / Good	1- Disagree / Average
Was the evidence based learning activity helpful for improving analytical skills? (PO2)	44	17	0
Are you able to identify IT law and ethical principles for given example (cyber crime evidence)? (PO8)	41	19	1
Are you able to prepare report on Real time cyber crime happen using evidences? (PO10)	44	17	0

1. Was the evidence based learning activity helpful for improving analytical skills? (PO2)
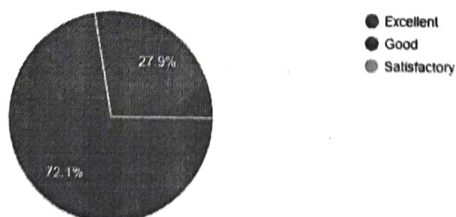
61 responses

- Excellent
- Good
- Satisfactory

27.9%

72.1%
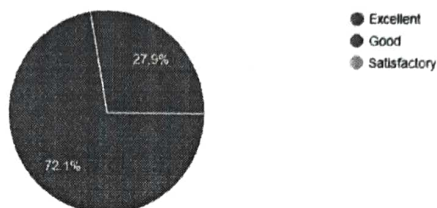
2. Are you able to identify IT law and ethical principles for given example (cyber crime evidence)? (PO8)

61 responses

- Excellent
- Good
- Satisfactory

31.1%

67.2%
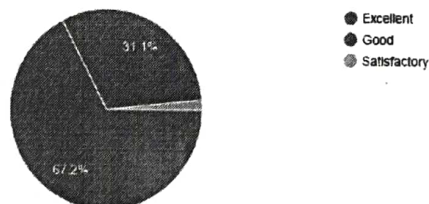
3. Are you able to prepare report on Real time cyber crime happen using evidences? (PO10)

61 responses

- Excellent
- Good
- Satisfactory

27.9%

72.1%
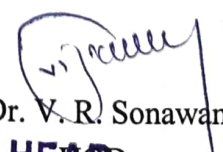
8. For review and critique contact: e-mail address of faculty and HOD

pawar.tejaswini@kbtcoe.org

hod.it@kbtcoe.org

Ms. T. S. Pawar
Subject Incharge

Dr. V. R. Sonawane
HEAD
DEPT. OF IT ENGG.
MVPS'S KBT COE, NASHIK - 422 013.