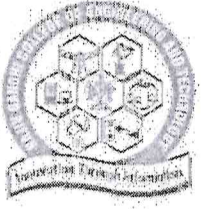Capacity Development and skills Enhancement Activity

AWARENESS OF TRENDS IN TECHNOLOGY

CYBERSECURITY

Website : www.rgcetpdy.ac.in, www.rgcet.edu.in

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Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

11.05.2022

From

Mrs.M.Indumathy

Department of Information Technology

Rajiv Gandhi College of Engineering and Technology

Kirumampakkam, Puducherry - 607 403.

To

The Principal

Rajiv Gandhi College of Engineering and Technology

Kirumampakkam, Puducherry - 607 403.

THROUGH THE HEAD OF THE DEPARTMENT, DEPARTMENT OF IT

Respected Sir,

Subject: Seminar on Cybersecurity for IT Students regd.,

    I hereby request permission to organize a seminar on "Cybersecurity" as part of the Awareness of Trends in Technology series for II, III, and IV-year students on 18.05.2022 during the 2021-2022 Even Semester. I kindly request your approval for the scheduled date. Thank you for your consideration.

Thanking you,

forwarded to the Principal.

R. ...

Yours sincerely,

Mrs.M.Indumathy.

Coordinator

Head of the Department

Department of Information Technology

Rajiv Gandhi College of Engineering and Technology

Pondy-Cuddalore Main Road, Kirumampakkam, Puducherry 607 403.

Dr. E. VIJAYAKRISHNA RAPAKA

B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)

M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,

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No: RGCET/IT/Circular/2021-22/SEM O1   13.05.2022

CIRCULAR

This is to inform you that, as part of our focus on the Awareness of Trends in Technology, our department will be conducting a seminar on "Cybersecurity" for II, III, and IV-year students on 18.05.2022. Students are encouraged to take advantage of this opportunity to enhance their technical skills.

HOD / IT

Head of the Department
Department of Information Technology
Rajiv Gandhi College of Engineering and Technology
Pondy-Cuddalore Main Road, Kirumampakkam, Puducherry-607 403.

Copy to:

1. Circulate to all IT students
2. File

To be circulate:

II year - Yashini

III year - Jayahi

IV year - Sandhiya

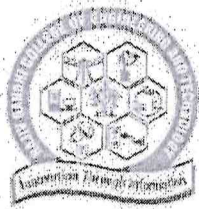Dr. E. VIJAYAKRISHNA RAPAKA
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DEPARTMENT OF INFORMATION TECHNOLOGY

SYLLABUS FOR CYBER SECURITY

Introduction to Cyber Security

- Overview of cyber security fundamentals
- Importance of cyber security in modern society
- Key terms and concepts in cyber security

Cyber Threat Landscape

- Analysis of current cyber threats and attack vectors
- Case studies of notable cyber-attacks and their impacts
- Strategies for threat detection and mitigation

Cyber Security Best Practices

- Methods for securing networks, systems, and data
- Importance of regular updates and patch management

Legal and Ethical Aspects of Cyber Security

- Overview of cyber laws and regulations
- Ethical considerations in cyber security practices
- Compliance requirements and standards (e.g., GDPR, HIPAA)

Emerging Trends in Cyber Security

- Exploration of AI and machine learning applications
- Challenges and solutions in securing IoT devices

Hands-On Workshop: Cyber Security Simulation

- Interactive exercise on responding to a simulated cyber attack
- Practical demonstrations of penetration testing tools and techniques

Coordinator

Head of the Department

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DEPARTMENT OF INFORMATION TECHNOLOGY

SCHEDULE FOR CYBER SECURITY

11:00 AM - 11:30 AM: Introduction to Cyber Security

- Overview of cyber security fundamentals

- Importance of cyber security in modern society

11:30 AM - 11:50 AM: Cyber Threat Landscape

- Analysis of current cyber threats and attack vectors

- Case studies of notable cyber attacks and their impacts

11:50 AM - 12:10 PM: Cyber Security Best Practices

- Methods for securing networks, systems, and data

- Role of encryption, authentication, and access control

12:10 PM - 12:30 PM: Legal and Ethical Aspects of Cyber Security

- Overview of cyber laws and regulations

- Ethical considerations in cyber security practices

12:30 PM - 12:50 PM: Emerging Trends in Cyber Security

- Exploration of AI and machine learning applications

- Impact of blockchain technology on security

12:50 PM - 1:00 PM: Closing Remarks and Networking

- Summary of seminar highlights and key takeaways

Co-Ordinator

Head of the Department

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REPORT FOR SEMINAR IN CYBER SECURITY

ORGANIZED BY   : Department Of Information Technology, Rgcet, Puducherry

Seminar Date   : 18.05.2022

1. **Introduction to Cyber Security:**

   The seminar opened with an introduction to cyber security, underscoring its vital role in a connected world. Participants learned about basic concepts and the evolving nature of cyber threats.

2. **Cyber Threat Landscape:**

   An extensive analysis of the current cyber threat landscape was provided, focusing on prevalent attack methods and recent case studies. The session highlighted the importance of proactive security measures.

3. **Cyber Security Best Practices:**

   The discussion centered on effective practices for securing networks, systems, and data. Topics included encryption, authentication, access control strategies, and the necessity of regular updates and patches.

4. **Legal and Ethical Aspects of Cyber Security:**

   Participants examined the legal and ethical considerations in cyber security, including compliance with GDPR and HIPAA, to ensure responsible technology usage.

5. **Emerging Trends in Cyber Security:**

   The session explored emerging trends, including advancements in AI and machine learning, the impact of blockchain on data integrity, and security challenges related to IoT devices.
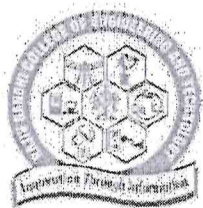
Co-Ordinator

Head Of The Department

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PHOTOGRAPHS FOR SEMINAR IN CYBER SECURITY

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mampakkam, Puducherry - 607 40

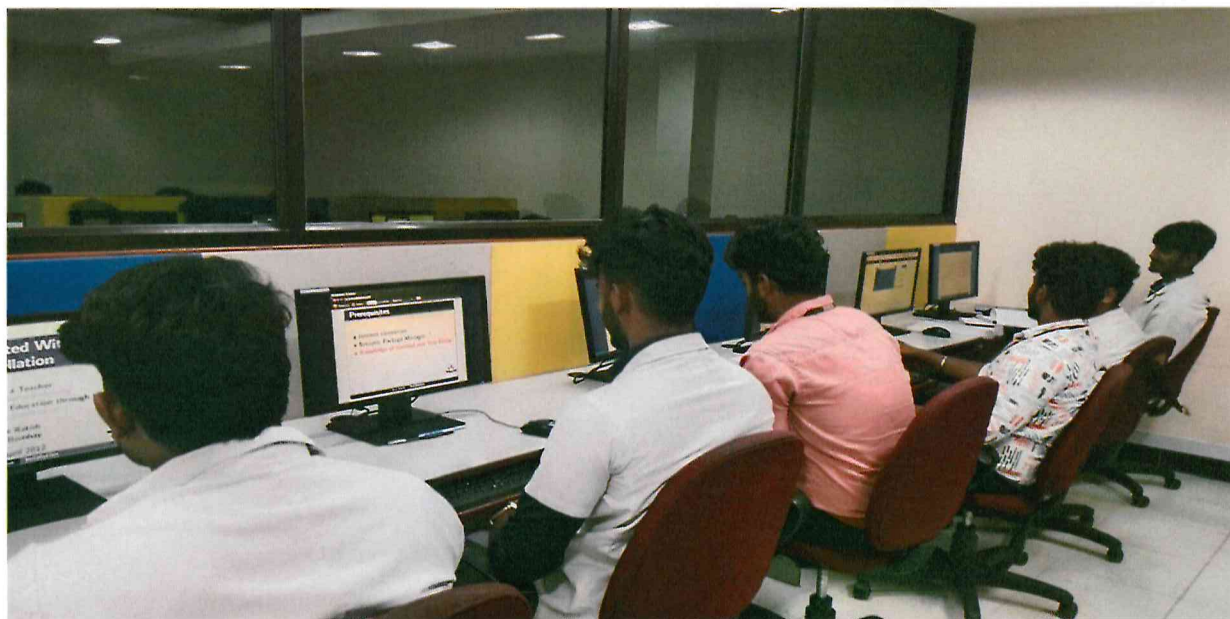# RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

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LIST OF ENROLLED STUDENTS

Name of the Program   : Cyber Security

Date of the Program   : 18.05.2022

S.no	Reg.no	Name of the Student	Year
1	20TD0135	KARTHIKA.J	II
2	20TD0158	RAJESH.G	II
3	20TD0161	SABITHA B	II
4	20TH0051	ABDUL RAHAMAN M	II
5	20TH0052	ANBUKUMARAN. V	II
6	20TH0053	ARUNACHALAM R	II
7	20TH0054	AUSTINSRAJ.J	II
8	20TH0055	BUVANESWARAN.P	II
9	20TH0056	DEEPAN RAJ.S	II
10	20TH0057	DEEPIKA.G	II
11	20TH0059	GEETHA .R	II
12	20TH0060	GUNALAN E	II
13	20TH0061	HARIHARAN K	II
14	20TH0062	HEMACHANDRAN	II
15	20TH0064	JENIFER.C	II

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16	20TH0065	KARTHIKEYAN S	II
17	20TH0066	KEERTHANA K	II
18	20TH0067	MOHAMED AMEEN.F	II
19	20TH0068	MOHANA PRIYA M	II
20	20TH0069	NAVIYAA R	II
21	20TH0070	PAVITHRA. N	II
22	20TH0071	PRAVINRAJ R	II
23	20TH0072	RANJITH K	II
24	20TH0073	SABARINATHAN.V	II
25	20TH0074	SANJEEV KUMAR.S	II
26	20TH0075	SHAMEER.B	II
27	20TH0076	SHANMUGHAPRIYA.M	II
28	20TH0077	SIVASANKARI M	II
29	20TH0078	SNEHA.S	II
30	20TH0079	SUBASRI. N	II
31	20TH0080	SUDISH.A	II
32	20TH0081	YASHINI.K	II
33	20TH0082	YOGESHWAR.G	II
34	20TH0083	YUVARAJ. M	II

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35	19TE0203	BALAJI.S	III
36	19TH0001	MOHAMED HALITH A	III
37	19TH0251	ADHIMOORTHY S	III
38	19TH0252	ANUSHAHARANI V	III
39	19TH0253	BHUVANESHWAR K	III
40	19TH0254	CHANDIRALEHA V	III
41	19TH0255	CHITRA KALA SHARMA P	III
42	19TH0256	DHANALAKSHMI P	III
43	19TH0257	DHANASEENUVASAN D	III
44	19TH0258	DHANUSRI A	III
45	19TH0259	DURGA DEVI D	III
46	19TH0260	HARI PRASAD S	III
47	19TH0261	HASSEN KHAN Z	III
48	19TH0262	HEMA P	III
49	19TH0263	HUMRUTH SS	III
50	19TH0264	ILAVAZHUTHI T	III
51	19TH0265	JAYAPRATHAB S	III
52	19TH0266	JAYASHREE S	III
53	19TH0267	KARTHIKEYAN M	III

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54	19TH0268	KARTHIKEYAN P	III
55	19TH0269	KRISHNA KUMAR S	III
56	19TH0270	MANIKANDAN V	III
57	19TH0271	NITHIYALAKSHMY R	III
58	19TH0272	PAVITHRA R	III
59	19TH0273	PRITHIGA T	III
60	19TH0274	PRIYADHARSHINI K	III
61	19TH0275	RAVINDIRAN M	III
62	19TH0276	RIYASEN V	III
63	19TH0277	RUTHRAMOORTHY R	III
64	19TH0278	SARTHIKA M	III
65	19TH0279	SHIVARANJANI A	III
66	19TH0280	SIDDHANANDAM M	III
67	19TH0281	SORNA C	III
68	19TH0282	SUBHA V	III
69	19TH0283	SUNDARALINGAM S	III
70	19TH0284	SUNENDHAR B	III
71	19TH0286	SVEDHA T	III
72	19TH0287	THAMIZHARASAN K	III

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73	19TH0288	THIRUVARASAN T	III
74	19TH0289	VAISHNAVI C	III
75	19TH0290	VARADHA RAJAN S	III
76	19TH0291	VASAN S	III
77	19TH0292	VIGNESHKUMAR T	III
78	19TH0293	VISHWA V	III
79	19TH0294	VISHWA PRIYA AM	III
80	18TC0311	HEMALATHA.A	IV
81	18TD0324	KARAN KRISHNA KANTH K.G	IV
82	18TH0301	ABDUL NASAR AH	IV
83	18TH0302	AGILA D	IV
84	18TH0303	ARAVIND M	IV
85	18TH0304	ARSHA V	IV
86	18TH0305	BHARATH KUMAR K	IV
87	18TH0306	FARHAANAH F	IV
88	18TH0308	JAYAPRAKASH S	IV
89	18TH0309	JEEVITHA M	IV
90	18TH0310	JOSEPHRAJ A	IV
91	18TH0312	KALIVELA KARL AMARTHYA	IV

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92	18TH0313	KARTHIK SELVAN S	IV
93	18TH0314	KARTHIKEYAN M	IV
94	18TH0315	KAVIPRIYA A	IV
95	18TH0316	MOHAMED THOFITH C	IV
96	18TH0317	MUHAMAD SAJITH M	IV
97	18TH0319	PRAVEEN RAJA K	IV
98	18TH0320	PRAVEENA M	IV
99	18TH0321	PREETHI V	IV
100	18TH0322	PRIYANGA K	IV
101	18TH0323	RAKSHANA R	IV
102	18TH0325	SACHUTHA D	IV
103	18TH0326	SANGEETHA G	IV
104	18TH0327	SARUMATHI M	IV
105	18TH0328	SASIKUMAR R	IV
106	18TH0329	SAVITHA S	IV
107	18TH0330	SIVAKALAI K	IV
108	18TH0331	SOWNDARYA A	IV

Co-Ordinator

Head of the Department

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