SRI RAAJA RAAJAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

146/14B1, Amaravathi Village, Amaravathiputhur Post,
Karaikudi – 630 301, SivagangaiDt, Tamil Nadu
Website :www.sriraajaraajan.in, E-mail :srrcet2010@gmail.com, Ph: 04565-234230

CENTRE FOR CYBER SECURITY

& CLOUD COMPUTING

ABOUT THE CENTRE:

"This centre is dedicated to advancing the field of Cyber Security and Cloud Computing through research, education, and collaboration. They often bring together experts from various disciplines, such as computer science and engineering, Cyber forensics, to work on cloud-related projects and make security in online. This centre was established in 2021 under Dr. A.P.J. Abdul Kalam Research Centre. It has a tie-up with Hebesec Technologies, Karaikudi Cyber security and cloud computing and conducted a Cyber security and cloud computing session on "Cyber Security and its applications"

OBJECTIVE:

1. **Research Advancement:** To conduct cutting-edge research in Cyber Security and Cloud Computing related fields.

2. **Education and Cyber security and Cloud Computing:** To provide students with comprehensive education and trCyber security and cloud comutingning in Cyber security and cloud computing, preparing them for careers in the field.

3. **Innovation and Entrepreneurship:** To foster innovation, entrepreneurship, and startups in CYBER SECURITY AND CLOUD COMPUTING, leading to practical applications and solutions

4. **Industry Collaboration:** To collaborate with industry partners, addressing real-world problems and developing industry-relevant solutions.

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5. **Technology Transfer:** To facilitate the transfer of CYBER SECURITY AND CLOUD COMPUTING technology and expertise to industries, startups, and society.

6. **Continuous Learning**: To stay updated with the latest CYBER SECURITY AND CLOUD COMPUTING advancements, ensuring the Center for Cyber security and cloud computing at the for front of CYBER SECURITY AND CLOUD COMPUTING research and innovation, prepare students for CYBER SECURITY AND CLOUD COMPUTING-related careers and future workforce needs.

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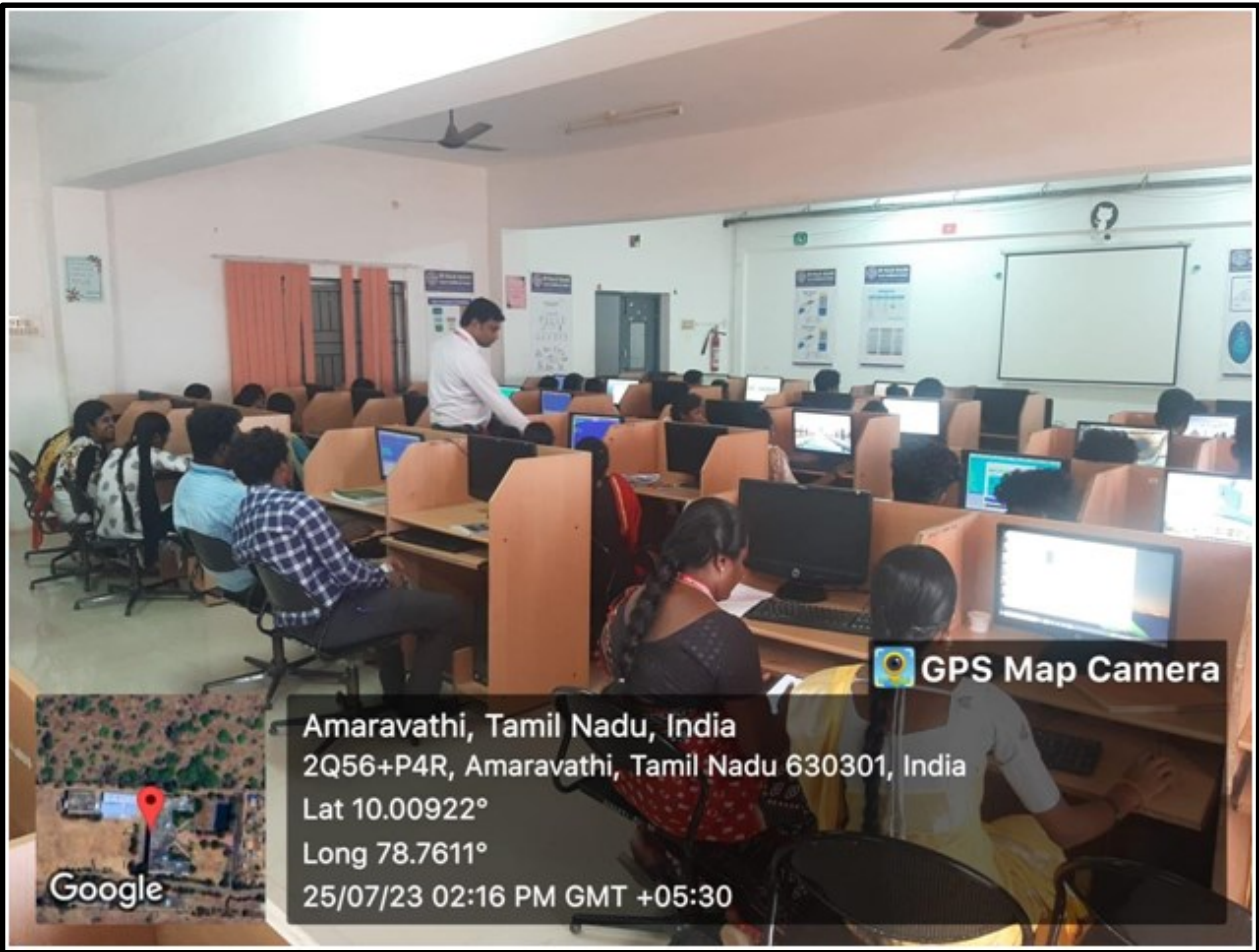**(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)**

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FACILITIES OF CYBER SECURITY AND CLOUD COMPUTING

1. **High-Performance Computing (HPC) infrastructure**: Powerful servers, for processing large datasets and Cyber security and cloud computing CYBER SECURITY AND CLOUD COMPUTING models.

2. **Data Storage:** Large storage capacity for storing datasets, models, and research data.

3. **Software and Tools**: Licenses for CYBER SECURITY AND CLOUD COMPUTING software, frameworks, and tools like TensorFlow, PyTorch, Keras, etc.

4. **Networking and Connectivity:** High-speed internet and networking infrastructure for data transfer and collaboration.

5. **Workstations and Devices:** High-end workstations, laptops, and devices for students.

6. **Meeting and Collaboration Spaces:** Rooms for team meetings, for Cyber security and cloud computing, and project discussions.

7. **Security and Access Control:** Secure access controls, firewalls, and encryption to protect sensitive data and IP.

8. **Power and Cooling:** Adequate power supply and cooling systems to support HPC infrastructure.

9. **Acoustic and Noise Reduction:** Sound proofing and noise reduction measures to minimize distractions.

10. **Ergonomic and Comfortable Workspaces**: Comfortable seating, lighting, and furniture for researchers and students.

FACULTY COORDINATOR:

1. Mrs.M.SURYA, AP/CSE (CENTRE IN CHARGE)

Amaravathi, Tamil Nadu, India
2Q56+P4R, Amaravathi, Tamil Nadu 630301, India
Lat 10.00922°
Long 78.7611°
25/07/23 02:16 PM GMT +05:30

CENTER FOR CYBER SECURITY AND CLOUD COMPUING

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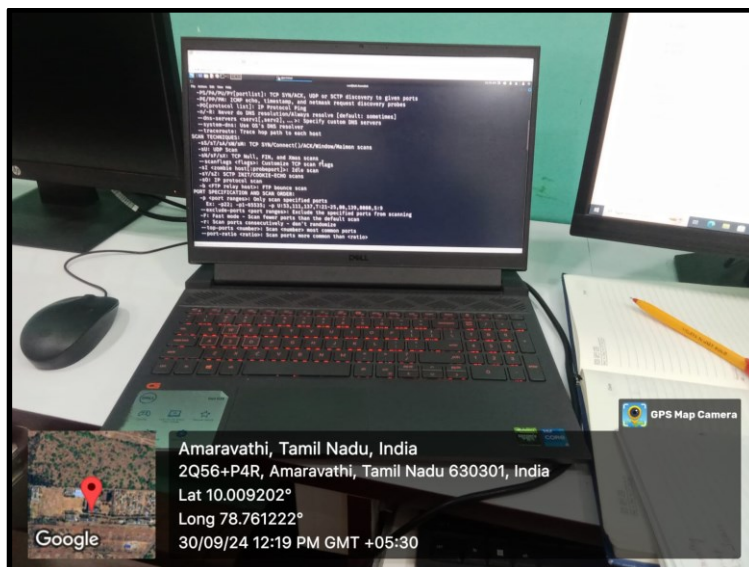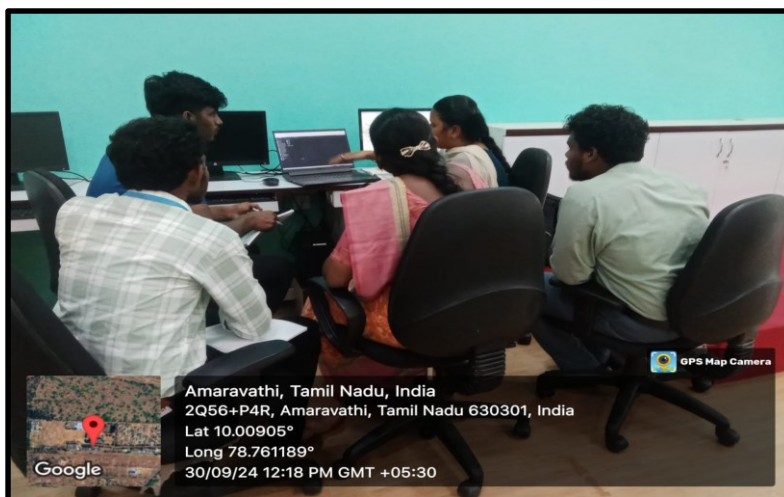**Karaikudi – 630 301, SivagangaiDt, Tamil Nadu**
Website :www.sriraajaraajan.in, E-mail :srrcet2010@gmail.com, Ph: 04565-234230

ACITIVITIES:

One day Workshop on Cyber Security and its Applications held on 21st February, 2024 at Sri Raaja Raajan College of Engineering and Technology, Amaravathiputhur, Cyber security and cloud computing.

Workshop on Cyber Security and its Applications organized by Department of Computer Science and Engineering, Sri Raaja Raajan College of Engineering and Technology and **HEBSEC TECHNOLOGIES PRIVATE LIMITED, Malaysia & Indonesia.** The Workshop was attended by about 48 students who included Chief Guests, HOD's, Staff members and Students, The occasion was marked by Department of Computer Science and Engineering, Mr.R.Susil Kumar, Assistant Professor, Department of CSE, in his inaugural address Cyber security and cloud computing the participants of the efforts taken by SRRCET in Computer Science and Engineering during the year. On Resource person address **Mr.Ramsundar Suresh, Director, HebeSec Technologies Pvt. Ltd, Malaysia & Indonesia.**

The Resource person demonstrated the Web technology concepts and Student to implement practical skills in Web programming. Practically Cyber security and cloud computing the concepts in HTML, CSS, PHP and Java Script this workshop was organized along with one of our MOU partner **Grid Lab Solutions, Cyber Security and Cloud Computing**. Mr.R.Rajasekaran, Web Developer, Grid Lab Solutions, Cyber security and cloud computing was the resource person in this Seminar**.**

Amaravathi, Tamil Nadu, India
2Q56+P4R, Amaravathi, Tamil Nadu 630301, India
Lat 10.009037°
Long 78.761012°
21/02/24 11:19 AM GMT +05:30

Amaravathi, Tamil Nadu, India
2Q56+P4R, Amaravathi, Tamil Nadu 630301, India
Lat 10.00905°
Long 78.761189°
30/09/24 12:18 PM GMT +05:30

Amaravathi, Tamil Nadu, India
2Q56+P4R, Amaravathi, Tamil Nadu 630301, India
Lat 10.009202°
Long 78.761222°
30/09/24 12:19 PM GMT +05:30

OUTCOMES:

The students got knowledge in the concepts of

(i) Cyber Forensics.
(ii) Firewalls and Intrusion Detection System.
(iii) Encryption (SSL/TLS/AES)
(iv) Regular Software updates.
(v) Network Segmentation and Isolation.

Cloud computing concepts like IAAS (Infrastructure as a Service), PAAS (Platform as a Service) and SAAS (Software as a Service) and done projects in Firewall and Intrusion Detection System and more number of students got placed with this learning and knowledge.