





Department of Computer Science, Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada has organized a One Week AICTE sponsored ATAL Academy FDP on "Implementing Cybersecurity and IoT in AI: Recent Trends" from 9th - 14th September, 2024 in which around 60 participants from in and around the city participated. The speakers for this 6-day FDP were:

Resource Persons

1. Dr. M. Kumar



Dr. M. Kumar is serving as Scientist-E, Joint Director at Centre for Development of Advanced Computing (CDAC), Hyderabad. He had a total experience of 18 years 8 months. He was a Principal Technical Officer from Jan 2015 to Dec 2018 (4 years), Senior Technical Officer from Jan 2010 to Dec 2014 (5 years) and Technical Officer from Jan 2006 to Dec 2009 (4 years). He has done his Master of Engineering (ME) in Systems & Signal Processing from Osmania University (2003 – 2005) and Bachelor of Engineering (BE) in Electronics & Communication Engineering from Osmania University (1998 – 2002).

2. Madhu Vadlamani



Madhu Vadlamani is a multifaceted professional with over 15 years of experience spanning education, design, and IT. He is currently a Senior Technical Manager at Miracle Software Systems, Hyderabad and serves as a Board Member at Malla Reddy University and Gitam University, focusing on Artificial Intelligence and Business Analytics. Recognized as a 40 Under 40 awardee for his contributions to design innovation and entrepreneurship, Madhu is also a mentor, guiding startups at KL University's startup program. He has expertise in Data Analytics, Artificial Intelligence, Cloud Computing, and Content Management, and is a passionate motivational speaker, mentor, and writer. He has worked with prominent companies like Google, Deloitte, Novartis, and Kony. Madhu is dedicated to leveraging big data, AI, and cloud-native architecture to drive innovation and solve business challenges.

2 Dr. Dornau Shyom



Dr. Perugu Shyam is an Assistant Professor in the Department of Biotechnology at National Institute of Technology (NIT), Warangal, where he has been serving since April 9, 2018. He previously worked as a Scientist-B at the Biomedical Informatics Center, ICMR-National Institute of Nutrition, Hyderabad. Dr. Shyam has contributed to developing various tools and databases, such as Nutrition Atlas and the Foodborne Diseases Surveillance Portal. He has 59 international research publications and has supervised both Ph.D. and ongoing research projects. Dr. Shyam is also a member of various scientific societies, including the International Society for Computational Biology (ICSB) and the Telangana Academy of Science.

4. Dr. K. Lavanya



Dr. K. Lavanya is serving as Assistant Professor in the department of Computer Science at Acharya Nagarjuna University, Guntur. She completed her Ph.D. in Computer Science & Engineering from JNTUA and her Research interests are Data Mining, Cloud Computing, Machine Learning and Deep Learning. She has a total of 16 years experience in teaching and 7 years in research. She has numerous papers in SCOPUS, SCIE, Web of Science indexed journals Previously worked at LBRCE and other institutions. She won Woman Researcher in Science and Technology Award (2020, Best Paper Award (2022) and has several patents related to data analysis and deep learning. She has various professional Memberships like IEEE, CSI, ISTE

5. Prof.Kota Naga Srinivasa Batta



Prof.Kota Naga Srinivasa Batta, PhD (IIT Kharagpur), Assistant Gr-I is presently working in Department of Electronics and Communication Engineering, NIT Warangal since April 2018. Prior to this he worked served as Professor in Gudlavaleru Engineering College, Gudlavaleru. His research interests include VLSI architectures for image and video compression, design of embedded systems, System on chip, Network on chip and IOT security. B.K.N. Srinivasarao has published more than 30 papers in International Conferences and journals and is an IEEE senior member and IE(I) Life member. His research areas are Embedded System, Design IOT and IOT Security Network on Chip, System on Chip, VLSI Architectures for Image and Video Processing.

6. Prof. E. Suresh Babu



Dr. E. Suresh Babu is a distinguished academic with expertise in Computer Science and Engineering is currently serving as an Assistant Professor at the National Institute of Technology (NIT), Warangal. His research interests include Blockchain Technology, IoT Security, Fog Computing Security, Edge Computing Security, Mobile Computing, and Cyber Security. He completed his Ph.D. at Jawaharlal Nehru Technological University Kakinada and has published over 53 papers in journals and 24 papers in conferences. Dr. Suresh Babu has supervised numerous research projects and students at both the Ph.D. and PG levels, contributing significantly to the field of computer networks and security. Additionally, he has acquired 2 patents and has received funding for various R&D projects, with the total value exceeding 58 Lakhs INR.

7. Mr. Jagadish Neeli



Mr. Jagadish Neeli is currently working as Sr. Engineer at TATA communications, Chennai. He expertise includes cybersecurity, Endpoint security, SIEM, Email security, Database security, TMCAS and DLP. He served as Senior Engineer, CSRC (Cyber Security Response Center) and Security Analyst at Valuepoint Systems Pvt. Ltd. (Oct 2020 – Jan 2023, 2 years 4 months), Bengaluru. He is a B. Tech graduate in Electrical, Electronic, and Communications Engineering from Swarnandhra College of Engineering & Technology and his skills include SQL DBMS

8. Mr. D. Sai Satish



D. Sai Satish is young Entrepreneur, Founder & CEO of Indian Servers. Administrator of Andhrahackers (Top hacking awareness forum in INDIA). Cyber Cops Trainer, Author for best-selling book Hacking secrets, A renewed Ethical Hacker & Cyber Security Expert. TedX speaker, Thousands of college students and professionals got benefited by his lectures which are delivered at IITs, Central Universities, IIMs, 350+ Engineering colleges all over India. more than 3000 talks on various trending technologies, special invitee for Jharkhand entrepreneur summit, Global Entrepreneurship summit, along with corporates he trained many Central and state Organization employees. He worked as Microsoft Student Partner, Corporate Dot Net Trainer etc. He was interviewed by Many national and regional new channels like AAjtak, Zee TV, TV9, NTV, Eenadu, Sakshi etc. He was rewarded by IAS officers for pentesting on govt sites, which helped to them to improve security and safe transactions and he is also a Forensic Investigator.

The schedule of the workshop was as below.

Schedule of BASIC FDP

FDP Application Number: 1717064537

Title of the FDP: Implementing Cybersecurity and IoT in AI: Recent Trends

FDP Start Date: 09-09-2024 **FDP End Date:** 14-09-2024

D 1/00 00 2024	D 2/10 00 2024	D 2/11 00 2024	D 4/12 00 2024	D 5/12 00 2024	D ((14.00.2024
Day 1(09-09-2024-	Day 2(10-09-2024-	Day 3(11-09-2024-	Day 4(12-09-2024-	Day 5(13-09-2024-	Day 6(14-09-2024-
MONDAY)	TUESDAY)	WEDNESDAY)	THURSDAY)	FRIDAY)	SATURDAY)
9:00 - 9:30					
Inauguration					
9:30 - 12:00	9:30 – 12.00	9:30 - 12:00	9.00-1.00	9:30 – 12.00	9:30 - 12:00
Session 1	Session 3	Session 5		Session	Session 10
		Name of the Expert:	Name of the	8	
Name of the		Dr. BKN Srinivasrao	Organization:	Name of the	Name of the Expert:
		3	3		Dr Perugu Shyam
			India Pvt. Ltd.		Designation: Assistant
				Designation: Sr.	Professor
		Department of Electronics		Manager	Organization: National
			Plot no: 6, APIIC IT Park		Institute of
			Autonagar Phase 2		Technology, Warangal -
1 0		Organization: National			506004, Telangana,
		Institute of Technology,		Topics: AI in Health	
	Practices''		Industry Type:	care	Topics:1. Role of AI and
		Topic: Hardware security			IoT in Molecular
		for IOT applications	Area of specification:		Biological Science.
			SAP		2. Research and
					Development with
					reference to NEP 2020
12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion		12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Summary
1:00 - 2:00	1:00 - 2:00	1:00 - 2:00	1:00 - 2:00	1:00 - 2:00	1:00 - 2:00
Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
2:00 - 4:30	2:00 - 4:30	2:00 - 4:30	2:00 - 4:30	2:00 - 4:30	Dunch
Session 2	Session 4	Session 6	Session 7	Session 9	2:00 - 4:00
Name of the		Name of the Expert: Dr.		Name of the	2.00 4.00
Expert: N.		E Suresh Babu	K. Lavanya	Expert: SAI	
			Designation: Assistant	SATISH	
			Professor	Designation: CEO	
		, , . I	Organization: Acharya	Organization:	4:00-5:00
			Nagarjuna University	Indian Servers,	
		Organization: National	Topic: IoT and its	Vijayawada	MCQ & Reflection
Topic: Practical			Applications in AI	Topic: Malware	Journal
skills and endpoint		Warangal	FF	Analysis	
security		Topic: Role of			
[i	1 0		1	
		Cybersecurity and AI in IoT			
4:30 - 5:30			4:30 - 5:30	4:30 - 5:30	5:00 - 6:00
4:30 – 5:30 Hands on training		IoT	4:30 – 5:30 Hands on training	4:30 – 5:30 Hands on training	5:00 – 6:00 Valedictory Session

<u>List of Participants</u>

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Objective of the program:

Cyberattacks are consistently being launched in the internet domain that seeks unauthorized entry into sensitive health information, personal identity database, intellectual data, government data repository, industrial information and so on. Cybersecurity in the digitized modern society should help the users to maintain the data privacy without compromising their addiction towards social engineering. The composition of technologies, practices and processes that are developed to defend the data, programs, networks and devices amid attacks, unauthorized access or damage is referred to as cybersecurity. Phishing, malware, ransomware and social engineering attacks are widely gaining popularity and hence ethical hacking can be a solution to identify these vulnerabilities prior to exploitation. Currently, the most cyberattacked sectors include healthcare, manufacturing, financial services, government and transportation. A six-day Faculty Development Programme (FDP) on "Implementing Cybersecurity and IoT in AI: Recent Trends" commenced at Sri Durga Malleswara Siddhartha Mahila Kalasala. This programme, sponsored by AICTE Training and Learning (ATAL) Academy, aims to equip participants with the latest knowledge and skills in cybersecurity, IoT and AI with a focus on various types of cyberattacks, cryptography, analysis of cyber threats and its countermeasures along with future research direction in the domain of information security.

DAY-1(09-09-2024)

Description

The inauguration ceremony started at 9.00 am on 9-9-2024 which was graced by Principal, Dr. S. Kalpana, Convener of the program Dr. Mohana Rupa, Co Cordinator, Dr. V. Sandhya Lakshmi, Head of the Department of Computer Science Ms. M. Praveena, and Organizing secretary Ms. P. Harika.

Dr. Kalpana addressed the importance of cybersecurity and IoT in the evolving landscape of Artificial Intelligence (AI) and the coordinator gave the overview of the FDP and briefed the FDP flow to the participants.

Some screenshots of the inaugural function are as below.





Session 1:

Topic: Information Security

The first day's sessions were led by Mr. N. Jagadish, Team Lead at TCL, Chennai, who delivered a lecture on "Information Security". Mr. Jagadish discussed understanding of cybersecurity fundamentals and the latest developments and advancements in cybersecurity, knowledge of technological advancements and tools in cybersecurity, awareness of common cyber threats and risk assessment techniques, understanding of cybersecurity principles and best practices, familiarity with DLP, SIEM, and threat modelling concepts.





Participants engaged in discussions and gained insights into the fundamentals of cybersecurity, setting the stage for the next five days of the programme.





Session 2: Practical skills and Endpoint Security

The FDP gave participants hands-on experience in mitigating cyber threats, using cybersecurity tools, and understanding how to prevent data breaches and fraud.





Session 3:

Topic: Integrating Cyber Security and AI into systems Emerging

Trends and best practices.

Mr. Kumar has given a brief introduction about CDAC-Hyd and its success stories. He explained about CDAC in cyber security and IoT. He also gave a note on end point security services, VAPT. He also given a brief introduction on artificial intelligence and internet of things. He explained the context, connectivity, components and the challenges in cyber security. He given us a note on attacks, firm ware and how to analyse it. Then he moved on to use case of AI in IoT, best practices, Skill development, industrial revolution and the foundational technologies. The foundational technologies are Artificial Intelligence, Block chain, IoT and cyber security.









Session: 4

Topic: Cyber security for Professionals: VAPT

Mr. D. Sai Satish shared his expertise on the cyber threats those are happening in these days. He gave a different derivation that "cyber sense" + "common sense" = "cyber security". He also written a book called as Hacking secrets. He presented those books to some participants in this session. The most important terminology in hacking is vulnerability assessment and penetrating testing (VAPT). The important words in hacking are:

- Vulnerability
- Exploit and
- Patching

He also gave a note on the websites like OWASP.org, SQL injection and pentesting websites, bwapp etc. The pentesting websites are tryhackme, hackhub.net, hackhub.aom, hack the box, juiceshop challenges, and damn vulnerable web app. He also gave a step by step procedure on a high confidential terms like how to hack websites using http and URL. He also discussed about the bugs like SQL injection, PHP-code injection and many more.







Session 5:

Topic: Hardware security for IOT Application

This session was addressed by Prof. BKN. Srinivas Rao which highlighted on importance of IOT system in our life. The session focused on collecting and sending data from sensors to the cloud. Data Analysis and visualization of collected sensor data. He discussed the working mechanism of sensor tags and their types and also IOT network of physical objects that are connected to the internet and how they communicate with each other and with system. He explained about components IOT Like Wifi, Zigbee, NFC, RFID, Lorawan, MQTT/SIP/COAT And cloud and cloud components like data and storage, web-based services, device management etc. He explained about use case in our daily life-Like consumers, Electronics, Automotive, Healthcare, Industrial IoT. He provided an in-depth explanation of how IOT platforms are utilized to manage and integrate IOT devices and data. He explained about security, and what could possible go wrong and ensures only authorized devices and users can access the system and how to protect data in transit and at rest from unauthorized access. He gave some Real World Applications like Healthcare-to Monitors patient health metrics, Industrial IOT optimizes manufacturing process by tracking machinery performance etc. He explained different challenges like Security challenges and Main challenges. Main challenges are -very large attack surface limited device resource.lack of standed and regulations. Security challenges-Improper Handling of device-related security risks, which primarily emerges because these devices don't get regular updates. He explained about physical unclouable functions(PUF'S) and hardware security through PUF'S





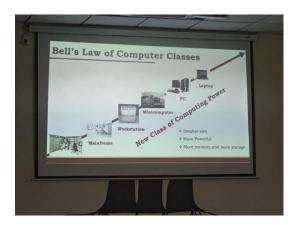


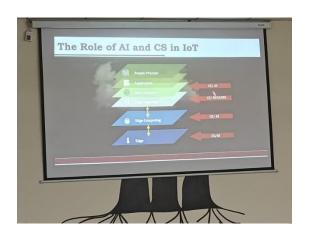
Session 6:

Topic: Role of cybersecurity and AI in IOT Block Chain, Cybersecurity - AI in IOT

This session was addressed by Prof. E.Suresh Babu, which highlighted the integration of Block Chain Technology, Cyber Security, Artificial Intelligence in IOT. It aimed to explore how these Technologies explore and how these technologies intersect to enhance security and address the challenges. The resource person focused on emerging technologies and their implications across industries with discussions let by experts from technology firms, academia and industry and explained about technologies like cloud, industry 4.0, cybersecurity, Internet of things etc. He discussed various aspects of IOT drives various technologies – like 5G security, Industrial IOT security, big data analytics and V2V communication. The speaker discussed about IOT and challenges of IOT, attack against IOT. He explained in depth about basic protocol architecture and IOT in process layers and explained each and every point of different layers and about block chain adopted to ensure the security and integrity of data within IOT system.









Day 4 (12-9-2024)

Industrial Visit

Place: APSOLUT Software India Pvt. Ltd.

Managalagiri IT Park

Mangalagiri. Description:

On Day-4 of ATAL FDP participants visited the APsolut software India pvt.ltd which is located at Mangalgiri. **Mr. Ravi Kishore** has guided us throughout the session on their company procurement. The main vision of the APsolut is to be no:1 in digital procurement. At present they are at top3 position. Their mission is to provide better digital procurement to their clients. Throughout the globe they are located in almost 17 countries in that most of the companies are located in Europe and in India and the main branch is located at Mangalgiri, AP. He had given a detailed information about Apsolut specific points like they have 9/10 ratings, awarded SAP ariba MEE partner of the year 7 times in a row. The key people of the Apsolut are "Thomas Herbst" the founder and managing director, "Paparao madasu" the managing director in India. He also gave an information about job opportunities, the recruitment process, qualifications and certification courses required if any. He also added how cybersecurity, IoT and AI are advancing and the need of them to software companies.









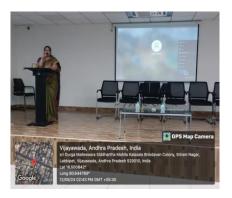


Session: 7

Topic: IoT and its applications in AI

Dr. K. Lavanya has engaged the session with the topics intersection of IoT with Ai, features of AI in IoT, its applications, challenges and opportunities, machine learning for IoT, Deep learning for IoT. She explained that "IoT + AI = powerful and intellectual things. She gave the information about features of AI IoT. Some of the applications of IoT are smart homes and building, health care, manufacturing and industries, transportation and logistics, agriculture and food production. The challenges and opportunities are data science privacy, ethical consideration, inter-operability and standardization, investment and infrastructure. Machine learning for IoT is vital for helping AI to receive data from all kinds for different devices. This also include supervised learning, unsupervised learning, Reinforcement learning. Deep learning for IoT provides algorithms that are useful for IoT. These include CNN, RNN, GAN, and LSTM.











Session – 8

Topic: AI in Health Care: Revolutionizing Patient Care and Medical Research

Mr. Madhu Vadlamani has presented firstly the importance of AI and quoted that AI is a Concept Driven Technology but not a Technology. He also explained the difference between AI (Artificial Intelligence) and ML (Machine Learning) & DL (Deep Learning). Further he started the explanation about the importance of AI in Health Care with Real-Time examples by giving case-studies to the participants. Mr. Madhu has presented the importance of Predictive Analytics, Administrative Efficiency, Drug Discovery, Virtual Health Assistants. He also discussed tools used in AI in the area of Health those are Wearable Sensors, Smart Pills and Home Health Devices. He also explained Algorithms used in AI using Machine Learning were Supervised Learning, Deep Learning and unsupervised Learning and usage of Natural Language Processing (NLP) in Health Care. At the end he discussed challenges and limitations of AI in Health Care and its advantages and application in a very clear manner with suitable examples. And finally, Mr. Madhu, concluded that AI will be a part of our life and AI is not going to change our Decision but it helps to help my Decision.







Session – 9

Topic: Malware Analysis

Mr. Sai Satish, firstly explained the clear meaning of VIRUS and explained that Malware is any Program which harms our computer and classified about types of Malwares, differences between Virus and Worm very clearly with suitable example.

Sir has discussed about Resources used in Malware Analysis by practically showing different websites such as malwares.com, virustotal.com, sandbox, VM Ware, Process Explorer and next sir said that Antivirus uses two main techniques to detect our system is suffering with virus or not. The first technique is Signature Based Detection Mechanism and the second technique is Heuristic Based Detection Mechanism and shown these techniques to detect Virus in our System by Hands – on Session. Mr. Sai Satish furtherly explained about Cyber Crimes and Malware Analysis Use Cases such as Malware Detection, Incident Response, Threat Alerts, Threat Hunting & Malware Research and also explained stages of Malware Analysis such as Static Properties Analysis, Interactive Behaviour Analysis, Fully Automated Analysis and Manual Code Reversing practically by showing Real- Time examples to all the participants.







Session 10:

Topics:

- 1) Role of AI & Machine Learning in molecular biological sciences
- 2) Research & Development with reference to NEP 2020

Mr. Perugu Shyam has given the "Importance of AI in molecular biological sciences". He explained about the performance analysis of five disease detection methods & Drug Discovery using AI. This ranged from platform screening of Drugs, in which AI was used to analyse molecular images of the effects of drugs on a cell, to deep generative modelling to design virtual novel molecules. He also explained about Breast Cancer specific multi cellular QSAR model development for combinational drug response prediction using machine learning and deep learning approaches.

He also explained about the **Research & Development with reference to National Education Policy- 2020**. NEP 2020 aims to transform India's education system. The key role of NEP 2020 is to promote research & innovation. This policy promotes research that involves multiple disciplines and also lead to innovative solutions to complex problems. NEP aims to foster a culture of research and innovation in educational institutions. This includes encouraging students to participate in research projects. In essence, NEP 2020 seeks to create a robust ecosystem for research and innovation in India. By providing funding, supporting research-intensive institutions, and fostering collaboration, the policy aims to make India a global leader in research and development.







ARTICLE DISCUSSION SESSIONS













LAB SESSIONS





MCQs Session





REFLECTIVE JOURNAL





Group Photos with experts and participants







Valedictory Session

Dr. S. Kalpana, Principal congratulated all the participants, Coordinator, Co-cordinator, and the Department of Computer Science for all their efforts in bringing the One week AICTE sponsored ATAL FDP programme to a grand success. She mentioned the importance of conducting such FDPs which contributes in staying updated with emerging technologies and gaining knowledge from eminent resource persons.

Later feedbacks from the participants was welcomed. Many participants shared their views on the one week FDP and wanted to attend many more programmes in future.

Coordinator Dr. Mohana Rupa SVD gave the report of the six day FDP and expressed her heartfelt thanks to AICTE for sponsoring such a beneficial programme. She also thanked the Management, Principal and Head of the Department, Computer Science for their support in hosting such a prestigious program.

Co-coordinator Dr. V. Sandhya Lakshmi gave a formal vote of thanks which is truly a platform to thank all the resource persons Dr. E.Suresh Babu, Dr. BKN. Srinivasa Rao, Mr. Sai Satish, Mr. Madhu Vadlamani, Mr. M.Kumar, Dr. K.Lavanya, Mr. Jagadish Neeli and Dr. Perugu Shyam for accepting the invitation and sharing their knowledge on different topics. She thanked the MR. M.PapaRao CEO and Mr. Ravi Kishore of APSOLUT software pvt ltd for accepting our proposal for a visit to their company and sharing their expertise with us. She also thanked the participants for their active participation throughout the FDP and making it a grand success. She also expressed her gratitude towards the Department of Computer Science, Principal, Dr. S.Kalpana and Special Officer Dr, R,Madhavi for their encouragement towards conduction of this Programme. Lastly she thanked the non-teaching staff for their valuable assistance in making the program a grand success.









Media Coverage



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సాంకేతికతతో విప్లవాత్మక మార్పులు



లజ్పిపేట(విజయవాడ సిటీ), మ్యాస్ట్ టుడే : సాంకేతిక పరిజ్ఞానాన్ని అందిపుచ్చుకుంటేనే జీవితం, వృత్తిలో విష్ణవాత్మక మార్పులు వస్తా యని వక్తలు సూచించారు. సిద్ధర్ధ మహిళా కళాశాల కంప్యూటర్ సైన్స్ విభాగం, ఆరిండియా కౌన్ఫిల్ పర్ టెక్నికల్ ఎద్దుకేషన్, ఆటల్ ఆకాడమీ సంయుక్త ఆధ్వర్యంలో ఇంపైంటింగ్ పైబర్ సెహ్యారిటీ అండ్ ఐహోటీ ఇన్ ఏఐ రీసెంట్(టెండ్) అనే ఆంశంపై ఐదో రోజైన శుభవారం అధ్యాపకులు, పీజీ విద్యార్భులకు ప్యాకర్టీ డెవలప్రమెంట్ కార్యక్రమాన్ని నిర్వహించారు. ప్రముఖ సాంకేతిక నిపుణులు వి.మధు, డి.సాయినతీష్ మాట్లడుతూ.. వ్యాధుల నిర్వారణ, చికిత్స ముంద స్తుగా వ్యాధులను గుర్తించి హెచ్చరించడం. వేగవంతమైన చికిత్స అందించడంలో కృత్తిమ మేధ ఉపయోగపడుతుందని తెలిపారు. డ్రిన్స్ పల్ ఎస్. కల్పన, స్ట్రత్యేకాధికారి ఆర్.మాధవి, కార్యక్రమం సమన్వయ కర్తలు మోహనరూప, వి.సంధ్యలక్ష్మి తదితరులు పాల్గొన్నారు.

Date: 14/09/2024 EditionName: ANDHRA PRADESH(AMARAVATI NTR) PageNo: 05

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లబ్బీపేట(విజయవాదతూర్పు): ఆరోగ్య సంరక్షణ లక్సీమం(దిజయవారతార్వు): ఆరోగ్య సంరక్షణ రంగంలో ఆర్టిపీముకు అనిలికివేగ్స్(డిం) క్రాంతి రమార్పుల కేసుకొప్పందని, ఇది స్వామం రిర్ధా రణ, చికిత్స, ఆరోగ్య నిర్వహణలో నూతన మాల్గంటే అందిస్తుందిని హైదంకాబ్లోని మీరా ఈ పార్టీవేర్ సిక్టమ్స్ సీమురెస్ మేజీవర్ ఎమరం అన్నారు. ఎండే లోధులోని శ్రీ దుర్గామల్లోన్న సిద్దార్ల మహిళా కళాశాల కరువ్యాబర్ పెస్తే ఏట్టారు అధ్యర్ధాన ఉప్పమిందింగ్ హైబర్ సిహ్మం రీ. ఒకడీ ఇన్ ఏం రోసింట్ క్రించిస్త్ ఆర్ అరాంస్తు శుక్రవారం ప్యాట్లో చెవలమొందే సమస్సు నిర్వ హించారు. సదస్సులో వి.మరు మాట్గాదుతూ

ఆర్టిపిషియల్ ఇంటెలిజెన్స్లలో వ్యాదీ ముందన్ను హెచ్చరిక, పర్సనలైక్డే మెదిసిన్, రోగులకు వేగవం తమైన దేకిక్స్ అందించకుంలో ఉపయోగపడుకుం దన్నారు. మరో ఆతితి సాయిసేష్ మాల్వేర్ ఆనా రిస్ అంశంపై ప్రవంగండారు. మాల్వేర్ అనేది సైబర్ భుర్ధకలో ఒక కేలకమైన అంశం అన్నారు. కార్యక్రమంలో కళాశాల డ్రిప్సిపాల్ కల్పన, స్పెషల్ ఆఫీసర్ ఆర్.మాధవి, ప్రాగామ్ కో ఆర్డినేటర్ మోహన్ రూప ఎస్ఎీడీ, కో కో ఆర్డినేటర్ వి.సం ద్యాలక్ష్మి, కంప్యూటర్ సైన్స్ విభాగాధివతి ద్రవీణ, ఆర్గవైజింగ్ సెక్రకురీ హారిక తదితరులు

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್ಷಎಐಽ೦ಣಽು ಎೃಆ೦ಽ೦ಗ್ ನಂಮಭಾಎ೦

పరిశోధనల్లో ఏఐ, ఎంఎల్ కీలకపాత్ర

ವರಂಗಲ್ ఎన్ఐಟీ ప్రಾఫెసర్ శ్యామ్

లబ్బీపేట(విజయవాదతూర్పు): ైన్స్, డ్రగ్ డిస్కవరీ, రీసెర్స్ అండ్ డెవలప్మమెంట్ వంటి పలు సంస్థల్లో ఆర్టీఫిషియల్ ఇంటెలిజెన్స్(ఏ ఐ), మెషిన్ లెర్నింగ్(ఎంఎల్) నూతన సాంకేలిక మార్పులు, అభివృద్ధిలో కీలకంగా ఉన్నట్లు వరం మాయ్చట, అభివృద్ధల కలకంగా ఉన్నట్లు ఎరం గాల్ ఎస్ఐటీ ప్రాఫెసర్ దాక్షర్ పి.శ్వామ్ అన్నారు. నగరంలోని శ్రీ దుర్గామల్లేశ్వర నిద్ధార్ధ మహేశా కశా శాల కంప్యాటర్ సైన్స్ విభాగం, ఏఐసీటీఇ టైనిం గ్ అండ్ రెర్నింగ్ ఆకాడమీ సంయుక్త ఆధ్వర్యంలో ఇంటర్నెట్ ఆఫ్ ఫింగ్స్(ఐఓటీ), ఆర్టిఫీషియల్ ఇం టెలిజెన్స్(ఏఐ), సైబర్ సెక్యుంటీ ఆనే అంశాలపై వారం రోజుల పాటు నిర్వహించిన సదస్సు శని వారం ముగిసింది.

ముగిసిన సదస్సు..

ఈ సదస్సులో పలువురు నిపుణులు ఆధునిక సమాజంలో టెక్సాలజీ అభివాది. వాణి ప్రాముఖ్యత గురించి పలు ప్రాంతాల నుంచి వచ్చిన నిపుణులు వివరించారు. చివరి రోజు సద స్పులో డాక్టర్ పి.శ్యామ్ ద్రపంగించారు. ఈ సంద ర్బంగా ఆయన ఆర్టిఫీషియల్ ఇంటెలిజెన్స్, మెషిన్



ప్రాఫెసర్ శ్యామ్ను సత్కరిస్తున్న కణాశాల ప్రిన్సిపాల్ కల్పన, అధ్యాపకులు

లెర్నింగ్ ప్రాధాన్యతను వివరించారు. అన్ని రం గాల్లో ఈ టెక్నాలజీ ఉనికిని తెలియజేశారు. వారం పకులు, 67 మంది పీజీ విద్యార్థినులు పాల్గొన్నారు. కార్యక్రమంలో కళాశాల డ్రిన్సిపాల్ ఎస్.కల్పన, స్పెషల్ ఆఫీసర్ డాక్టర్ ఆర్.మాధవి, బ్రాగ్రామ్ కో ఆర్డినేటర్ డాక్టర్ మోహన రూప ఎస్వీడీ, కో ఆర్డినే టర్ డాక్టర్ వి.సంధ్యాలక్ష్మి, కంప్యూటర్ సైన్స్ విభా గాధిపతి ఎం.డ్రవీణ, ఆర్గనైజింగ్ సెక్రటరీ పి.హారిక, కంప్యూటర్ సైన్స్ విభాగ అధ్యాపకులు పాల్గొన్నారు.

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ముగిసిన

ఫ్యాకల్టీ డెవలప్మమెంట్ ప్రాగ్రామ్

లబ్బీపేట, సెప్టెంబరు 14: సిద్ధార్థా మహిళా కళాశాలలో గత 9రోజుల నుంచి కళాశాల కంప్యూటర్ సైన్స్ విభాగం, ఏఐసీటీఈ టైనింగ్ ఆండ్ లెర్నింగ్ (ఏటీఏఎల్) అకాడమీ సంయుక్త ఆధ్వర్యంలో జరుగుతున్న ఇంప్లిమెంటింగ్ సైబర్ సెక్యూరిటీ అండ్ ఐవోటీ ఇన్ ఏఐ రీసెంట్ ట్రెండ్స్ అనే అంశంపై ఒక వీక్ ఫ్యాకబ్టీ డవలప్రమెంట్ ప్రోగ్రామ్ ముగింపు కార్యక్రమం శనివారం జరిగింది. ఈ వారం రోజులు పలు అంశాలపై విద్యార్థులకు అవగాహన, టైనింగ్ కార్యక్రమాలు నిర్వహించినట్లు కళాశాల ప్రిన్సిపాల్ ఎస్.కల్పన తెలిపారు. ఈ కార్యక్రమంలో డ్రతిరోజు వలు కళాశాలల నుంచి అధ్యావకులు, పీజీ విద్యార్థులు 67మంది హాజరయ్యారని, ఇటువంటి కార్యక్రమాలు విద్యార్థులకు టెక్నాలజీలో సైపుణ్యత్ సాధించడానికి ఎంతో దోహదం చేస్తాయని తెలిపారు. ఈ కార్యక్రమంలో ఆర్.మాధవి, మెహనరూప, వి.సంధ్యలక్ష్మీ తదితరులు పాల్వొన్నారు.

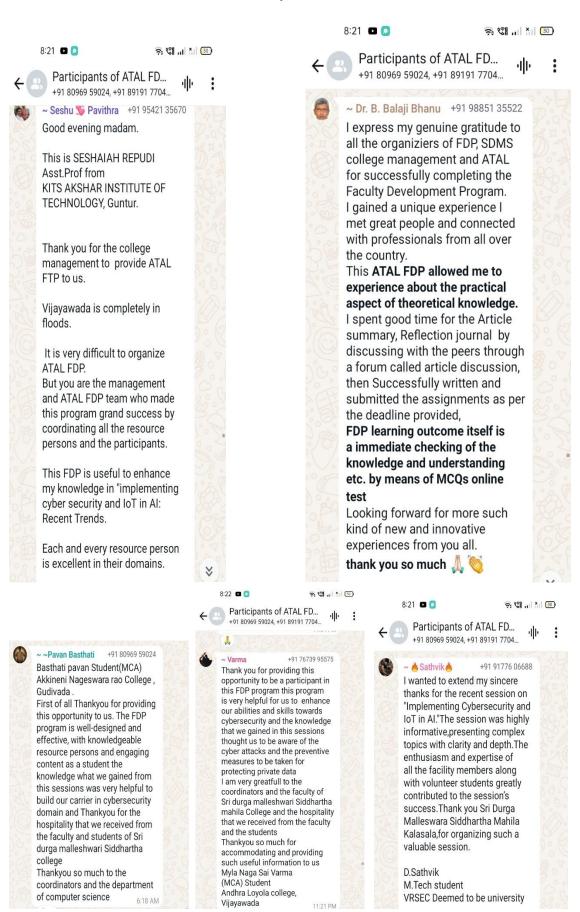
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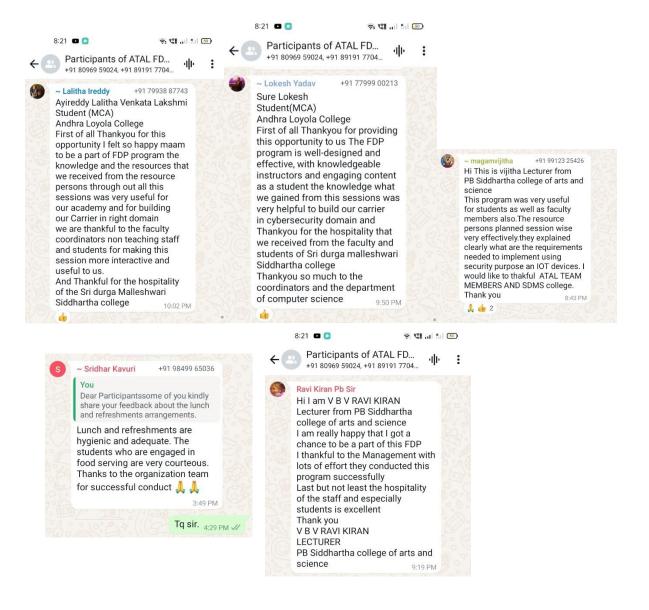
OUTCOMES OF FDP

Participating in this Faculty Development Program titled "Implementing Cybersecurity and IoT in AI: Recent Trends" lead to several outcomes, both for the individual participants and the institution they belong to:

- 1. **Enhanced Knowledge**: Participants gained a deeper understanding of cybersecurity principles, IoT technologies, and AI applications. They learned about emerging threats in cyberspace and strategies to mitigate them, as well as how AI and IoT intersect with cybersecurity.
- 2. **Skill Development:** This FDP included hands-on training sessions where participants acquired practical skills in implementing cybersecurity measures, developing IoT solutions, and leveraging AI for various applications such as threat detection and anomaly detection.
- 3. Curriculum Enhancement: Faculty members can integrate the latest knowledge and skills gained from the FDP into their teaching curriculum. They can update existing courses or develop new ones that reflect the current trends and advancements in cybersecurity, IoT, and AI.
- 4. **Research Opportunities:** This FDPs provided insights into current research areas and challenges in cybersecurity, IoT, and AI. This inspired faculty members to undertake research projects in collaboration with industry partners or other academic institutions, leading to publications and patents.
- 5. **Networking:** Participants got the opportunity to network with experts, practitioners, and fellow educators in the field. This networking can lead to collaborations on research projects, sharing of best practices, and even potential job opportunities for students.
- 6. **Institutional Recognition:** Institutions that actively support faculty members in attending FDPs focused on cutting-edge topics like cybersecurity, IoT, and AI demonstrated their commitment to staying abreast of technological advancements. This has enhanced the institution's reputation and can avail AICTE funding for hosting such programmes in future.
- 7. **Professional Development**: For individual faculty members, participation in such FDPs can enhance their professional profiles. They gained the most valuable AICTE certificate which contributed to their career advancement and recognition within their institution and the broader academic community.

Participants Feedback





Drive links for videos

https://drive.google.com/file/d/1ZWMYN7EoH3loqWvCXsDynEETXchsUhcU/view?usp=sharing