



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**MAPPING OF CONTENT BEYOND SYLLABUS WITH POs and PSOs**

The following tables show the delivery details of content beyond the syllabus mapped with POs and PSOs.

**Mapping of Content beyond Syllabus with POs And PSOs**

Delivery details	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Value added courses	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓
Guest lectures	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Special lecture	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Workshops	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Online Certifications	✓	✓	✓	✓	✓	✓		✓			✓	✓	✓	✓
Innovation Club activities	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**Value added courses**

- Every semester, based on students' interest and also requirement, value added courses are scheduled in core domains and software programming languages and conducted with maximum effectiveness.
- Students will gain knowledge in niche areas making them industry ready.
- To provide requisite understanding towards application of academic topics from engineering disciplines into real world engineering projects.
- To improve the employability prospects of the students.

**Value Added Courses**

Sl. No	Gap	Action	Day-Month-year	Resource Person with Designation	No of students	Relevance to POs, PSOs
<b>Academic Year 2024 – 2025</b>						

1.	Programmin g skills in Advanced Java	Python Programming	19-8-2024 to 23-08-2024	Mr.N.Arikaran, AP/CSE Mr.M.ImranKhan,AP /CSE	126	PO 1,2,3,4,5,9,10,1 2 PSO 1,2
2.	Strengthen the ability to program in Python	Full Stack Java Programming	09-09-2024 to 13-09- 2024	Mrs.I.Varalakshmi, AP/CSE Mrs.G.Sharmila, AP/CSE	124	PO 1,2,3,4,5,9,10,1 2 PSO 1,2
3.	Enhance programmin g skills in CCNA	CCNA Network Fundamentals -II	26-08-2024 to 30-08- 2024	Mrs,J.Jayapradha, AP/CSE Mr.S.Balaji ,AP/CSE	126	PO 1,2,3,4,5,9,10,1 2 PSO 1,2
4.	Extracting insights from data using libraries	Data Science Using Python	18-12-2024 to 24-12- 2024	Mrs.D.Mohanapriya , AP/CSE	126	PO 1,2,3,4,5,9,10,1 2 PSO 1,2
5.	UI UX design with Figma, Protopie, wireframing & prototyping	UI/UX Development	06-01-2025 to 10-01- 2025	Mrs.I.Varalakshmi, AP/CSE Mrs.G.Sharmila, AP/CSE	126	PO 1,2,3,4,5,9,10,1 2 PSO 1,2
6.	Enterprise Resource planning	ABAP Programming	03-03-2025 to 07-03-25	Mrs,J.Jayapradha, AP/CSE Mr.S.Balaji ,AP/CSE	124	PO 1,2,3,4,5,9,10,1 2 PSO 1,2
<b>Academic Year 2023 – 24</b>						
1.	Advance Python Programming	Python for Data Science	11-9-2023 to 15-9- 2023	Mrs.V.Selvi, AP/CSE Mr.N.Arikaran,AP/C SE	119	PO 1,2,3,4,5,9,10,1 2 PSO 1,2
2.	Basic and Advanced concepts of AWS	AWS Cloud Computing	09-10-2023 to 13-10- 2023	Mr.C. Saravanan, AP/CSE Mrs.S.Boovaneswar i, AP/CSE	124	PO 1,2,,3,4,5,9,10, 12 PSO 1,2
3.	Applications of Big data	Big data Computing	16-10-2023 to 20-10- 2023	Mr.R.Somasundara m, AP/CSE Mrs.G.Sharmila ,AP/CSE	128	PO 1,3,4,5,9,10,12 PSO 1,2
4.	Regression in Machine Learning	Clustering in Data Mining	05-02-2024 to 09-02- 2024	Mrs.S.Kalaivani, AP/ CSE Mrs.Nandhini ,AP/CSE	118	PO 1,2,3,4,5,9,10,1 2 PSO 1,2

5.	Applications of Cloud Computing	Cloud Computing Fundamentals	12-02-2024 to 16-02-2024	Mr.R.Aravindan, AP/CSE Mrs.K.Sumithra, AP/CSE	124	PO 1,3,4,5,9,10,12 PSO 1,2
6.	Essential of Cyber security	CCNA Network Fundamentals	11-03-2024 to 15-03-2024	Mrs.N.Kavitha, AP/CSE Mrs.D.Mohanapriya, AP/CSE	128	PO 1,3,4,5,8,9,10,12 PSO 1,2
<b>Academic Year 2022 – 23</b>						
1.	Strengthen the ability to program in Java	Features of Python Programming	05-9-2022 to 10-9-2022	Mrs.V.Selvi, AP/CSE Mrs.S.Kalaivani, AP/CSE	106	PO 1,2,3,4,5,9,10,12 PSO 1,2
2.	Enhance programming skills in Advanced Java	Applications of AWS	12-09-2022 to 16-09-2022	Mr.V.Ananth, AP/CSE Mrs.J.Jayapradha, AP/CSE	121	PO 1,2,3,4,5,9,10,12 PSO 1,2
3.	Enhance latest technology in IT industry	Basics of Big data	19-09-2022 to 23-09-2022	Mrs.S.Boovaneswari, AP/CSE Mr.A.Sankaran, AP/CSE	124	PO 1,3,4,5,9,10,12 PSO 1,2
4.	Enhance programming skills in Machine Learning	Clustering in Machine Learning	20-02-2023 to 24-02-2023	Mrs.R.Indumathi, AP/CSE Mrs.Nandhini, AP/CSE	106	PO 1,2,3,4,5,9,10,12 PSO 1,2
5.	Enhance programming skills in Cloud Computing	Features of Cloud Computing	6-03-2023 to 10-03-2023	Mr.R.Aravindan, AP/CSE Mrs.K.Sumithra, AP/CSE	121	PO 1,3,4,5,9,10,12 PSO 1,2
6.	Enhance programming skills in CCNA	CCNA	14-03-2023 to 18-03-2023	Mr.R.Somasundaram, AP/CSE Mrs.D.Mohanapriya, AP/CSE	124	PO 1,3,4,5,9,10,12 PSO 1,2
<b>Academic Year 2021 – 22</b>						
1.	Strengthen the ability to program in Java	Advance Python Programming	05-7-2021 to 10-7-2021	Mrs.V.Selvi, AP/CSE Mrs.S.Kalaivani, AP/CSE	97	PO 1,3,4,5,9,10,12 PSO 1,2
2.	Enhance programming skills in Advanced Java	Basics and Advanced concepts of AWS	10-08-2021 to 14-08-2021	Mr.V.Ananth, AP/CSE Mr.S.Ashok Kumar, AP/CSE	106	PO 1,3,4,5,9,10,12 PSO 1,2

3.	Enhance programming skills in Applications of Big data	Applications of Big data	13-09-2021 to 17-09-2021	Mrs.R.Saranya, AP/CSE Mr.A.Sankaran, AP/CSE	120	PO 1,3,4,5,9,10,12 PSO 1,2
4.	Enhance programming skills in Regression in Machine Learning	Regression in Machine Learning	07-02-2022 to 12-02-2022	Mrs.R.Indumathi, AP/ CSE Mrs.Nandhini, AP/CSE	97	PO 1,3,4,5,9,10,12 PSO 1,2
5.	Enhance programming skills in Applications of Cloud Computing	Applications of Cloud Computing	07-03-2022 to 12-03-2022	Mr.R.Aravindan, AP/CSE Mrs.K.Sumithra, AP/CSE	106	PO 1,3,4,5,9,10,12 PSO 1,2
6.	Enhance programming skills in Essential of Cyber security	Essential of Cyber security	07-02-2022 to 12-02-2022	Mr.R.Somasundaram, AP/CSE Mrs.D.Mohanapriya, AP/CSE	120	PO 1,3,4,5,8,9,10,12 PSO 1,2
<b>Impact Analysis:</b>						
<ul style="list-style-type: none"> <li>Students gained knowledge in programming skill and its application in recent technologies.</li> <li>Value added course makes the students, industry ready.</li> </ul>						

## 2. GUEST LECTURES

- To enrich the students with the latest updates in the Industries and on recent technologies.
- To bestow the students with knowledge about Industry needs, latest technical updates, avenues for higher studies etc.
- To improve the knowledge of students in practical applications and concepts.

### Guest Lecture

S.No	Gap	Action Taken	Day-Month-Year	Resource Person with designation	No. of Students	Relevance to Pos,PSOs
<b>Academic Year 2024 – 2025</b>						
1.	To explore the basics of game development	Guest Lecture on “Unreal Engine for Game Development”	05.07.2024	Mr.Machaiah Kalengada &Mr.Sharath, Head the India Game Developers Conference	128	PO1,2,3,4,5,6,8,9,10,11 PSO 1, 2

2.	To gain knowledge in Basics of Big data and data analysis.	CSI Sponsored Guest Lecture on "Data Analysis using Oracle Database"	31.07.2024	Mr.V.Thamizhselvan, Managing Director In Bot2do Technologies Pvt Ltd.	126	PO1,2,3,5,6,8,9,10 PSO 2
3.	To gain knowledge in concepts and Applications of IoT Threat Landscape	Guest Lecture on "Cyber Security for IoT Devices"	14.08.2024	Mr.S.Purushothaman, Cloud Administrator, 8-Queen Software Solutions Pvt Ltd, Chennai.	125	PO1,2,3,5,8,9 PSO 1,2
4.	To focus on traditional development practices, while AI-assisted development tools are briefly mentioned	Internal workshop AI augmented software engineering from code generation to Testing"	07.08.25	D.Mohanapriya &R.Indhumathi	125	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO12
5.	Students\ learn network protocol conceptually but lack experience with industry-relevant simulators like NS2. And Protocols	CSI sponsored two days workshop program for network simulation and programming in NS2,Socket Programming and Protocol Analysis	31.07.25 &01.08.25	Mr.Balaji &N.Arikaran	126	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO12

6.	Provides limited exposure to the Lack of cybersecurity perspective in hardware troubleshooting	Trouble shooting Hardware with a cyber secure Mindset Integrating Digital SAignature	05.09.2025	Mr Balaji &Mrs Jeyapradha	126	PO1, PO2, PO3, PO4, PO5, PO9, PO12
S. No	Gap	Action taken	Day-Month-year	Resource person name with designation	No. of students present	Relevance to POs, PSOs
Academic Year 2023 – 2024						
1.	To explore the opportunities of Entrepreneur	“Steps to make a Brand Plan for a Start-up”	14.09.2023	Mr.Jana Operational Head Bot2do Technologies	50	PO1,2,3,4,5,6,8,9,10,11 PSO 1,2
2.	To gain knowledge in concepts and applications of 3D Modeling	3D Modelling	30.09.2023	Dr.B.Ezhilavan, CEO, VEI Technolgoies, Chennai	128	PO1,2,3,5,9 PSO 1,2
3.	To gain knowledge in basics of web development tools	Full Stack java	08.11.2023	Mr.N.Kumar Technical Lead Twilight IT solutions	124	PO1,2,3,5,6,9,10, PSO 2
4.	To gain knowledge in basics of web development tools	Essential skills required for Full stack developer	06.02.24	Mr. Prakash Velayutham, CEO/ Founder, Code Builders Pvt, Limited- Pondicherry	128	PO1,2,3,5,6,9,10 PSO 2
5.	To explore the opportunities of Entrepreneur	Trends and opportunities in digital Marketing	12.03.24	Mr.S.Richerd, VPS Code builders, Business Analyst, Pondicherry,	124	PO1,2,3,5,6,8,9,10,11,12 PSO 1,2

6.	To gain knowledge in cloud storage and management in real time applications	IEEE Sponsored Guest Lecture on Cloud Privacy and Security.	20.03.2024	Mr.S.Raja, Software Analyst, Tamsys, Puducherry	119	PO1,2,3,4,5,7,11,12 PSO 1,2
<b>Academic Year: 2022-2023</b>						
1.	To improve their skills in Cyber Security and Cyber Risk management	Guest Lecture on Cyber Security and Cyber Risk management	19.10.22	Mr.MaheshP.G.Or biteva Academy and Consulting, Cyber security CounsultantBangalore.	160	PO 1,2,3,5,7,11,12 PSO 1,2
2.	Practical knowledge in Cloud Computing and How to build a personal brand being a developer	Guest Lecture on Cloud Computing and How to build a personal brand being a developer	26.11.22	Mr.Sajeedharan Sinnadhurai, Senior Product Manager@Microsoft, Colombo Srilaknka	121	PO 1,2,3,5,6,7,10,11,12 PSO 1,2
3.	Enhance the ability to develop knowledge in Reusable Rocket	Guest Lecture on "Reusable Rocket"	19.12.22	Mr.Buvanaeshwaran, Chairman, NSRO, Puducherry	120	PO 1,2,3,,7,10,11,12 PSO 1,2
4.	To development of images in augmented and virtual reality and how to use the workplace environment in a healthy way	Guest Lecture on Ergonomics using Augmented reality and Virtual reality	02.03.23	Dr.ArounPrasathPhd., (Medical Anatomy), Full time Adjunct Faculty, Fathima College of Health sciences, Al Ain, UAE.	121	PO 1,2,3,5,6,7,10,11,12 PSO 1,2
5.	To Enhance	Guest	01.04.2023	Ms.Thejuswini,	121	PO 1,2,3,5,6,8

	their Knowledge in Appian Low code Hyper Automation	lecture on Appian Low code Hyper Automati on				PSO 1,2
6.	To Enhance their Knowledge in AWS Cloud Computing	Guest Lecture on AWS Cloud Computin g	08.04.23	Mr.Prem Kumar, Technology Consultant, Virtusa, Chennai	124	PO 1,2,3,5,11,12 PSO 1,2
<b>Academic Year: 2021-22</b>						
1.	To upgrade skills in cyber Security	IEEE sponsored Guest Lecture on Ethical Hacking and cyber security	03.06.21	Mr.Veeraragavel, Founder - CEO ,Techif Pvt Ltd, Chennai	97	PO 1,2,3,5,6,7,10,11,12 PSO 1,2
2.	To understand the advanced concepts and its Android App Development IN real time applications .	CSI sponsored Guest Lecture on “Introduction to Android App Development	05.06.21	Mr.B.Ezhilavan, MD, VEI Technologies, Chennai	97	PO 1,2,3,5,6,7,10,11,12 PSO 1,2
3.	Strengthen their mind and motivated to improve their career to become an Entrepreneur.	Guest Lecture on “How to become an Entrepreneur”	24.07.2021	Mr.Veerararagavel, TechnifPvt.Ltd., Chennai	108	PO 1,2,3,5,6,7,10,11,12 PSO 1,2
4.	Motivation lecture for the students	Guest Lecture on “Early	30.07.21	Mr.V.Vishnuvardhan , Chief Executive Officer, Atal	201	PO 1,2,3,5,6,7,10,11,12

	about the winning strategy.	stage Entrepreneur		Incubation Center, PEC.		PSO 1,2
5.	To get in depth knowledge about Cyber Law and how to protect in cyber related issues	Guest Lecture on “Cyber Law”	24.10.21	Mr.R.Chandrachud	190	PO 1,2,3,5,6,7,10,11,12 PSO 1,2
<b>Impact Analysis:</b>						
<ul style="list-style-type: none"> <li>• Students gained acquaintance on recent updates of the industries and technicalities.</li> <li>• It helped students to build relationships with companies for potential research projects.</li> </ul>						

#### 4. SPECIAL LECTURES

- To introduce the new concepts / idea to the students apart from regular class hours.
- To gain in-depth knowledge about the recent trends in the field of Computer Science and Engineering.

#### Special Lectures

S l. N o	Gap	Action taken	Day- Month- year	Resource person with designation	No. of students present	Relevance to PO, PSO
<b>Academic Year 2024 – 2025</b>						
1.	To gain knowledge in operating system	Distributed OS	04.07.24	Mrs.G.Sharmila Assistant Professor, CSE	III A/63	PO 1,2,3,4,5, 10,11,12 PSO 1,2
2.	To understand security algorithms and Techniques	Cryptographic Techniques	11.07.24	Mrs.I.Varalakshmi Assistant Professor, CSE	III A/63	PO- 1,2,3,4, 5,9,10,11,12 PSO 1,2
3.	To gain knowledge in software testing	Software Testing Tools	25.07.24	Mrs.S.Boovaneswari, Assistant Professor, CSE	III A/63	PO- 1,2,3,4, 5,9,10,11,12 PSO 1,2

4.	To gain knowledge in Data Science	Smart Objectives in Data Science	01.08.24	Mr.N.Arikaran Assistant Professor, CSE	III A,63	PO1, PO2, PO3, PO4 PSO1
5.	To learn about recent technologies in AI	Generative AI in virtual reality	08.08.24	Mr.Satish Kumar, Assistant Professor, CSE	III A,63	PO 1,2,3,4,5, 10,11,12 PSO 1,2
6.	To gain Knowledge in the data structures like quadrees, R-trees.	Spacial Data structure	22.08.24	R.Indumathi Assistant Professor, CSE	III A,63	PO1, PO2, PO3, PO4 PSO1
7.	To gain Knowledge in Field-Programmable Gate Arrays (FPGAs)	FPGA	05.09.24	D.Mohanapriya Assistant Professor, CSE	III A,63	PO1, PO2, PO3, PO4 PSO1
8.	To understand security algorithms and Techniques	Security Algorithms	11.07.24	Dr.S.Pariselvam Professor, CSE	III B,63	PO- 1,2,3,4, 5,9,10,11,12 PSO 1,2
9.	To learn about Normalization techniques.	Oracle	18.07.24	Mr.S.Balaji Assistant Professor, CSE	III B/63	PO 1,2,3,4,5, 10,11,12 PSO 1,2
10	To gain knowledge in software testing	Testing methodologies in software	25.07.24	Mrs.P.Suganya Assistant Professor, CSE	III B/63	PO 1,2,3,4,5, 10,11,12 PSO 1,2
11	To gain knowledge in modern IT Service Management	Modern IT Service Management using AIOps	01.08.24	Mr.C.Saravanan Assistant Professor, CSE	III B/63	PO1, PO2, PO3, PO4 PSO1
12	To learn about recent technologies in AI	AI in Healthcare	08.08.24	Mr.Imran Khan Assistant Professor, CSE	III B/63	PO-1,2,3,4, 5,9,10,11,12 PSO 1,2
13	To understand features of XOR linked list	Creating HTML Forms	01.02.24	Mrs.P.Suganya Assistant Professor, CSE	III B,63	PO-1,2,3,4, 5,9,10,11,12 PSO 1,2

14	To study the advance techniques in Cyber security and Ethical Hacking	XOR Linked List	22.08.24	Mrs.Suganthi Assistant Professor, CSE	III B,63	PO 1,2,3,4, 5, 11,12 PSO 1,2
15	To understand Emerging trends and future prospects of microprocessors in edge computing	Role of Microprocessor in Edge Computing	05.09.24	Mrs.Kavitha Assistant Professor, CSE	III B,63	PO 1,2,3,4,5, 10,11,12 PSO 1,2
<b>Sl . No</b>	<b>Gap</b>	<b>Action taken</b>	<b>Day-Month-year</b>	<b>Resource person with designation</b>	<b>No. of students present</b>	<b>Relevance to PO, PSO</b>
<b>Academic Year 2023 – 2024</b>						
	To gain knowledge in python Programming	Python Programming Features	25.01.24	Mr.S.Balaji Assistant Professor, CSE	III A,62	PO 1,2,3,4,5, 10,11,12 PSO 1,2
2.	To gain knowledge in UML Diagrams	Case tools Software – Rational Rose	01.02.24	R.Indumathi Assistant Professor, CSE	III A,62	PO- 1,2,3,4, 5,9,10,11,12 PSO 1,2
3.	To upgrade knowledge in JAVA	Spring Framework	08.02.24	Mrs.S.Boovaneswari, Assistant Professor, CSE	III A,62	PO-1,2,3,4, 5,9,10,11,12 PSO 1,2
4.	To gain Knowledge in Information Security	Cyber Security	15.02.24	Mrs.I.Varalakshmi Assistant Professor, CSE	III A,62	PO1, PO2, PO3, PO4 PEO1
5.	To upgrade knowledge in Machine Learning in Healthcare	Machine Learning Algorithms	22.02.24	Mr.M.Imran Khan, Assistant Professor, CSE	III A,62	PO 1,2,3,5,9, 10,11,12 PSO 1,2
6.	To enhance the knowledge in Deep learning	Deep learning Algorithms	29.02.24	Mr.Arikan Assistant Professor, CSE	III A,62	PO 1,2,3,4,5, 10,11,12 PSO 1,2

7.	To understand and discover opportunities in virtual environment .	Mobile Cloud usage	07.03.24	J.Jayapradha Assistant Professor, CSE	III A,62	PO 6,7,8,9, 10, 12 PSO 1,2
8.	To enhance knowledge in 3D printing	3D Printing	14.03.24	Mrs.G.Sharmila Assistant Professor, CSE	III A,62	PO 6,7,8,9, 10, 12 PSO 1,2
9.	To understand and discover in AR & VR	AR & VR	21.03.24	Dr.N.Palanivel Associate Professor, CSE	III A,62	PO 6,7,8,9, 10, 12 PSO 1,2
10.	To understand and discover knowledge in Artificial Intelligence	Planning in Artificial Intelligence	28.03.24	Mr.R.Sathishkumar Assistant Professor, CSE	III A,62	PO 6,7,8,9, 10, 12 PSO 1,2
11.	To understand and discover knowledge in Embedded system	Optimizing Design Metric in Embedded Systems.	04.04.24	Mrs.Nandhini Assistant Professor, CSE	III A,62	PO 6,7,8,9, 10, 12 PSO 1,2
12.	To upgrade the knowledge in DBMS	Block chain In Banking	11.04.24	MrC.Saravanan Assistant Professor, CSE	III A,62	PO-1,2,3,4, 5,9,10,11,12 PSO 1,2
13.	To know recent development in Web technology	Creating HTML Forms	01.02.24	Mrs.P.Suganya Assistant Professor, CSE	IVA,57	PO-1,2,3,4, 5,9,10,11,12 PSO 1,2
14.	To study the advance techniques in Cyber security and Ethical Hacking	Supervised & Unsupervised Algorithms in Machine learning	11.04.24	Mrs.Kavitha Assistant Professor, CSE	IV A,57	PO 1,2,3,4, 5, 11,12 PSO 1,2
15.	To study advance techniques in Wireless Sensor Network	Wireless Sensor Network	04.04.24	Dr.S.Pariselvam Professor &HOD/CSE	IV B,62	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2

16.	To study Advance Concepts in Data science	Introduction to Data Science	29.02.24	Mrs.R.Indumathi Assistant Professor, CSE	IV B,62	PO 1,2,3,5,9, 10,11,12 PSO 1,2
<b>Academic Year 2022 – 2023</b>						
1.	Enhance knowledge in Artificial Intelligence.	Display Technologies	16.02.23	Dr.S.Pariselvam Assistant Professor, CSE	110	PO 1,2,3,4,5, 10,11,12 PSO 1,2
2.	To upgrade skills in Artificial Intelligence	Artificial Intelligence	23.02.23	Mr.Ariharan Assistant Professor, CSE	93	PO 1,2,3,5,9, 10,11,12 PSO 1,2
3.	Ability to develop skills in Quantum Computing	Quantum Computing	02.03.23	Mr.Imran Khan Assistant Professor, CSE	112	PO 1,2,3,5,9, 10,11,12 PSO 1,2
4.	Enhance knowledge in Data warehousing	Data warehousing	09.03.23	Mrs.Sharmila Assistant Professor, CSE	111	PO1,2,3,4,5,9,10, 11,12 PSO 1,2
5.	Enhancing knowledge in Cyber security	Cyber security	16.03.23	Mrs.Boovaneshwari Assistant Professor, CSE	87	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
6.	Strengthen knowledge in application of NLP	NLP	23.03.23	Mr.A.Sankaran Assistant Professor, CSE	131	PO 1,2,5,9,10, 11,12 PSO 1,2
7.	Enhancing knowledge in Web Development	Web development trends in 2023	30.03.23	Mrs.Jayapradha Assistant Professor, CSE	78	PO 1,2,5,9,10, 11, 12 PSO 1,2

8.	To upgrade skills in SAP Features	SAP Features	06.03.23	Mr.Balaji, Assistant Professor, CSE	116	PO 1,2,3,4, 5,9, 10, 11,12 PSO 1,2
9.	Upgrade an ability to develop skills in Processor	ARM CORTEX Processor	13.03.23	Mr.R.Raj Bharath, Assistant Professor, CSE	120	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
10.	Enhance knowledge in a new innovative technology	AR & VR	20.03.23	Dr. N. Palanivel Associate Professor,CSE	120	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
11.	Knowledge of Blockchain Technology	Blockchain Technology	27.03.23	Mrs.R.Indumathi Assistant Professor, CSE	86	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
12.	Collaboration of Security threats in IoT	Security threats in IoT	04.04.23	Mrs.I.Varalakshmi Assistant Professor, CSE	154	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
13.	Enhancing skills in innovative technology	NFT Platform using Metaverse	04.04.23	Mrs.D.Mohanapriya , Assistant Professor, CSE	94	PO 3,5,6,12 PSO 1,2
14.	Students gained Knowledge about applications of IoT	Modern applications of IoT	29.09.2022	Mrs.J.Jayapradha, Assistant Professor, CSE	87	PO 1,2,3,4,5, 10,11,12 PSO 1,2
15.	To enhance their skills to develop 3D Printing	3D Printing	07.10.2022	Mrs.Sharmila Assistant Professor, CSE	156	PO- 1,2,3,4, 5,9,10,11,12 PSO 1,2
16.	To upgrade their in-depth knowledge in Cyber security	CyberSecurity	14.10.2022	Mrs.Boovaneshwari Assistant Professor, CSE	162	PO 1,2,3,5,6 7, 9,10,11,12 PSO 1,2

17.	To Enhance the knowledge in Fog Computing in IoT	FOG Computing in IOT	21.10.2022	Mr.Arikaran Assistant Professor, CSE	105	PO-1,2,5,9,10, 11, 12 PSO 1,2
18.	To gain knowledge in Agile methodologies and Big bang model	Agile methodologies and Big bang model	28.10.2022	Mr.R.Raj Bharath, Assistant Professor, CSE	76	PO 6,7,8,9, 10, 12 PSO 1,2
19.	To upgrade their skills in IoT	Internet of Things	04.11.2022	Mr.Imran Khan Assistant Professor, CSE	117	PO 1,2,3,5,9, 10,11,12 PSO 1,2
20.	Enhancing their knowledge AR & VR	AR & VR	11.11.2022	Dr. N. Palanivel Associate Professor CSE	124	PO-1,2,3,4, 5,9,10,11,12 PSO 1,2
21.	To gain knowledge in concepts of Blockchain in banking	Block chain In Banking	18.11.2022	Mrs.R.Indumathi Assistant Professor, CSE	161	PO-1,2,3,4, 5,9,10,11,12 PSO 1,2
22.	To Upgraded their knowledge Advance Software Tools	Advance Software Testing Tools	25.11.2022	Mrs.I.Varalakshmi Assistant Professor, CSE	102	PO 1,2,3,4, 5, 11,12 PSO 1,2
23.	Enhancing Practical knowledge in Blockchain	Smart Contract using NFT in Block Chain	2.12.2022	Mrs.D.Mohapriya, Assistant Professor, CSE	104	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
<b>Academic Year 2021– 2022</b>						
1.	Strengthen the ability to work on large set of data	Blockchain in Banking application	01.04.2022	Mrs.R.Indumathi	95	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
2.	Enhance knowledge in Image Compression	Cyber attacks in IoT	08.04.2022	Mrs.I.Varalakshmi	86	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
3.	Enhance knowledge in Mobile Technologies	Morphologic al Analysis for Text	22.04.2022	Mr.A.Sankaran	95	PO 5,8,10,11 PSO 1,2
4.	Upgrade skills in cloud services	Virtualization in Cloud	29.04.2022	Dr.Vaishnavi	83	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2

5.	Strengthen knowledge in Operating Systems for smart phones.	Genetic Algorithms in Artificial Intelligence	06.05.2022	Ms.C.Kaviyazhiny	95	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
6.	Enhancing knowledge in enterprising cloud strategy	Video processing using Convolutional Neural Network	13.05.2022	Mr.G.Balamurugan	86	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
7.	Knowledge of interaction with computer application	Wireless Sensor Network	20.05.2022	Mr.D.Lubin Balasubramanian	95	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
8.	Enhancing skills in innovative technology	Dynamic Programming	27.05.2022	Mr.P.Sathiyarayanan	83	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
9.	Enhance knowledge in computer display technology	Big data applications	03.06.2022	Mr.S.Ashok Kumar	95	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
10.	Enhancing skills in innovative technology	Internet of Medical Things	10.06.2022	Mrs.R.Saranya	87	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
11.	Upgrade knowledge in Cloud Services Provider	Smart Contract in Blockchain	17.06.2022	Mrs.D.Mohanapriya	95	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2
12.	Knowledge of application of engineering to the development of software	3D Animation	24.06.2022	Dr.N.Palanivel	84	PO 1,2,3,4, 5,9,10,11,12 PSO 1,2

**Impact Analysis:**

- Students get exposed to the latest technologies apart from regular curriculum.
- Students enriched their knowledge on contemporary issues.
- Improves listening, comprehension, and analytical skills.
- Makes learning more engaging and interactive compared to traditional lectures.

**5. WORKSHOPS**

- To provide comprehensive theoretical and hands-on practical experience on various simulation tools.
- To gain deep insights into the technologies that is revolutionizing the world.

### Workshops

Sl. No	Gap	Action taken	Day-Month-year	Resource person with designation	No. of students present	Relevance to POs, PSOs
<b>ACADEMIC YEAR 2024-25</b>						
1.	To gain Knowledge in Artificial Intelligence in Cyber security.	Artificial Intelligence in Cyber security	17.03.25	Mr. Naveen Kumar, Avasoft Pvt Ltd, Chennai	126	PO 1,2,5,7,11,12 PSO 1,2
2.	To gain Knowledge in automate the testing of web applications across different browsers and platforms using selenium	Workshop on Mastering UML: A deep dive into starUML, ArgoUML and visual paradigm	08.02.25	Mrs. I. Varalakshmi, Associate Professor, MVIT, Puducherry	126	PO 1,2,3,5,7,11,12 PSO 1,2
3.	To give better understanding about the process of decision making with data analytics using Power BI	Workshop on Decision-Making with Data Analytics in Power BI	22.03.25	Mr. Prem Kumar, Software Developer, Virtusa, Chennai	126	PO 1,2,5,7,10,11,12 PSO 1,2
4.	To focus on <b>traditional development practices</b> , while <b>AI-assisted development tools</b> are briefly mentioned	Internal workshop AI augmented software engineering from code generation to Testing”	07.08.25	D.Mohanapriya &R.Indhumathi	125	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO12
5.	Students\ learn network protocol conceptually but	CSI sponsored two days workshop	31.07.25 &01.08.25	Mr.Balaji &N.Arikaran	126	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO12

	lack experience with industry-relevant simulators like NS2. And Protocols	program for network simulation and programming in NS2,Socket Programming and Protocol Analysis				
6.	Provides limited exposure to the Lack of cybersecurity perspective in hardware troubleshooting	Trouble shooting Hardware with a cyber secure Mindset Integrating Digital SAignature	05.09.2025	Mr Balaji &Mrs Jeyapradha	126	PO1, PO2, PO3, PO4, PO5, PO9, PO12
Sl. No	Gap	Action taken	Day-Month-year	Resource person with designation	No. of students present	Relevance to POs, PSOs
Academic Year: 2023-2024						
1.	To gain Knowledge in writing of research paper	Workshop on Writing research paper and to select Innovative project	23.08.23	Dr.N.Palanivel, Associate Professor/CSE	119	PO 1,2,3,5,7,11,12 PSO 1,2
2.	To give better understanding about the process of patent filling and granting	Workshop on IPR Awareness	17.10.23	Dr.Jayakumar, JS-IP Design Solutions, Madurai.	119	PO 1,2,3,5,7,8,10,11,12 PSO 1,2
3.	To gain Knowledge in creation of documtens using LateX	Workshop on Quality usage of LaTeX	12.12.23	Mr.N.Arikaran, AP/CSE & Mr.S.Balaji, AP/CSE	124	PO 1,2,3,7,8,10,11,12 PSO 1,2

4.	To gain Knowledge about entrepreneurship skills through startups	Workshop on IT Basics for start ups and small Business	11.10.23	Mr.Abdulla, Karki Mobility Services Pvt Ltd, Chennai.	119	PO 1,2,3,5,6,7,8, 10,11,12 PSO 1,2
5.	To give better understanding of Data Engineering in Serverless environment	Two Days Workshop on Research methodologies for Data Engineering in Serverless environment	20.10.23 & 21.10.23	Mr.Prem Kumar, Technology consultant, Virtusa.	124	PO 1,2,3,,7,10,11 ,12 PSO 1,2
6.	To gain Knowledge about How will AI impact the mobile app technology	Workshop on The AI revolution in Mobile Apps and Services	27.10.23 & 28.10.23	Mr. E.Vimalraj, MD, 8 Queen Software Technological Pvt, Ltd, Chennai	124	PO 1,2,3,,7,11,12 PSO 1,2
7.	To gain Knowledge in building interactive apps skills through Blockchain	Building Interactive Apps using Blockchain	22.03.24	Mr. Chaal Pritam Founder, Web3 Chennai & Jezero labs Chennai	45	PO 1,2,3,5,7,11,1 2 PSO 1,2
8.	To gain Knowledge about ArgoUML for creating complex designs and diagrams.	Workshop on Argo UML	06.04.24	Ms.R.Indumathi, AP/CSE	124	PO 1,2,3,5,6,7,10 ,11,12 PSO 1,2
9.	To gain Knowledge about full stack development	Full Stack Developer CSI	30.01.24 to 03.02.24	Dr.B.Ezhilavan, CEO, Founder, VEI Technologies, Chennai	124	PO 1,2,3,5,7,11,1 2 PSO 1,2

10.	To gain Knowledge about Data Portfolio Management in Amazon Cloud	Research methodologies on Data Portfolio Management in Amazon Cloud	13.03.24 to 14.03.24	Mr.Prem Kumar Technology Consultant CTS	124	PO 1,2,3,5,8,11,12 PSO 1,2
11.	To gain Knowledge about <u>Android Mobile App Developer Tools</u>	Android Application development	23.03.24	Mr.N.Seetharaman, HCL Technologies, chennai	126	PO 1,2,3,,7,11,12 PSO 1,2

**Academic Year: 2022-2023**

1.	To gain knowledge in Electrical components	Workshop On EDC And DSD Work Design Models	13.10.22 & 14.10.2022	Mr.Raja, Raja electronics Cuddalore	124	PO1,2,3,4,12 PSO 1,2
2.	To gain knowledge in Cyber security issues	CSI sponsored Workshop on Cyber Security & Ethical Hacking	14.11.22 & 15.11.22	Mr.AjinkyaLohakare Cyber Secuiryt Expert & Podcaster, (TEDX & JOSH TALK Speaker)	202	PO1,2,3,4,5,8,10,12 PSO 1,2
3.	To gain knowledge in Basics of web development tools	Workshop on Basics of web development	24.12.22	Mr.P.Lokesh, Software Architect, Atlassian Pvt Ltd	121	PO1,2,3,4,5 PSO 1,2
4.	To gain knowledge in Basics of PYSPARK	IEEE sponsored Virtual workshop on "PYSPARK"	25.12.22	Mr.Praveen, Software Associate NIELSON IQ Chennai	121	PO1,2,3,4,5 PSO 1,2

5.	To learn on access and resource management	Workshop on Access Management	10.03.2023	Mr. VijayaKumar Bhaskar, Cyber Security Consultant, IBM, Chennai.	124	PO1,2,3,5,6,7,11 PSO 1,2,3
6.	To gain knowledge in Block Chain Technology	IEEE sponsored Workshop on Block chain Technology in Python	18.03.2023	Dr.B.Ezhilavan, Managing Director, VEI Technologies Pvt. Ltd, Chennai.	121	PO1,2,3,4,12 PSO 1,2
7.	To gain knowledge in UML tools and its usage	Internal workshop on UML tools	10.04.23	Mrs. I.Varalakshmi, Assistant professor/ CSE,MVIT	121	PO1,2,3,4,5,6,9,10,12 PSO 1,2
<b>Academic Year: 2021-2022</b>						
1.	To gain knowledge in Electrical components	IEEE sponsored Workshop on EDC And DSD Work Design Models	11.10.21	Mr.Raja, Raja electronics Cuddalore	118	PO1,2,3,4,12 PSO 1,2
2.	To gain knowledge in Competitive Programming and Complexity of Programs	CSI Sponsored Workshop On Competitive Coding	12.11.21	P.Lokesh Software Engineer, Atlassian.	118	PO1,2,3,4,12 PSO 1,2
3.	To gain knowledge in UML tools and its usage	Internal workshop on UML tools	27.04.22	Mrs. I.Varalakshmi, Assistant professor/ CSE,MVIT	107	PO1,2,3,4,12 PSO 1,2
4.	To gain knowledge in 3D Modeling	Internal Workshop on 3D Modeling	11.05.22	Dr.N. Palanivel Associate professor/ CSE,MVIT	107	PO1,2,3,4,12 PSO 1,2

	Techniques					
5.	To gain knowledge in Real-time recommendation engines usage	Hackathon Problem Statement on Recommendation Engine	12.05.22	Mr. Sankaran A, Assistant professor/ CSE,MVIT	107	PO1,2,3,4,12 PSO 1,2
6.	To update knowledge in cloud Virtualization	External Workshop on Virtualization in Cloud	17.05.22	Mr. Rohit Jothimani IBM, BANGALORE	107	PO1,2,3,4,12 PSO 1,2
7.	To gain knowledge in Data analytics	Workshop Python for Data Analytics	02.06.22	Mr. Sankaran A, Assistant professor/ CSE,MVIT	107	PO1,2,3,4,12 PSO 1,2
8.	To gain information in Recent Technologies in Cyber security	Workshop on cybersecurity	03.06.22	Mr. S.Veeraragavel Techfic IT solutions Puducherry	118	PO1,2,3,4 PSO 1,2
9.	To gain knowledge in today's networking devices	Internal Workshop on Recent trends in Networking	22.06.22	Mr.R.Sathish Kumar, Mr.P.Sathiyarayanan, Assistant professors/ CSE,MVIT	118	PO1,2,3,4, PSO 1,2
10.	To update knowledge about chatbots	CSI sponsored workshop on Chatbot creation and uses	25.06.22	Dr. K. Kishore AnthuvanSahayaraj, Assistant Professor, SRM Institute of Science and Technology,	118	PO1,2,3,4 PSO 1,2
11.	To overcome the gap in SAP deployment in industry level	Hands on Workshop on "SAP"	04.07.22	Mr.Ramkumar Software Engineer, Onward EservicesLtd., Chennai	107	PO1,2,3,4,1 PSO 1,2
12.	To update knowledge In Machine Learning and	Internal Workshop on Machine Learning	05.07.22	G.Balamurugan Assistant professor/ CSE,MVIT	107	PO 1,2,3,4, PSO 1,2

	AI	Techniques				
<i>Impact Analysis:</i> <ul style="list-style-type: none"> <li>• Students experienced a good blend of theory and hands-on training on a particular subject.</li> <li>• Students gained confidence to pursue simulation based mini-project and final year projects.</li> </ul>						

## 6. ONLINE CERTIFICATIONS

- The institution has a large and constantly growing collection of online resources such as NPTEL videos, e-journals, e-books, and so on. These resources are accessible in all computerized labs.
- The students take up online certification such as
  - ICT Academy
  - NPTEL
  - COURSERA

### Online Certifications

S.N O	GAP	ACTION TAKEN	DAY- MONTH- YEAR	% OF STU DEN TS PRES ENT	RELEVANCE TO POS, PSOS
1.	Microsoft Learn AI Builder Challenge	ICT Academy	Sep 2023	21	PO1, PO5, PO12, PSO1, PSO2
2.	Microsoft Learn Machine Learning Challenge	ICT Academy	Sep 2023	21	PO1, PO2, PO5, PO12, PSO1, PSO2
3.	LEARNING FULL STACK DEVELOPMENT	INFOSYS/ SPRINGBOARD	21-03-2025	6	PO3, PO5, PO12, PSO2
4.	UI Automation	UiPath	31/03/2024	2	PO3, PO5, PO12, PSO2
5.	Excel Automation	UiPath	07/03/2024	2	PO3, PO5, PO12, PSO2
6.	MongoDB Basics	MongoDB	15/07/2024	1	PO1, PO5, PO12, PSO1, PSO2
7.	MongoDB Atlas	MongoDB	14/09/2023	1	PO1, PO5, PO12, PSO1, PSO2
8.	C++ Programming	Pantech e Learning	26/02/24– 17/03/24	2	PO1, PO2, PO12, PSO1, PSO2
9.	Full Stack Development	NoviTech R&D	28/04/2024	1	PO3, PO5, PO12, PSO2

10.	Explore Automation Development	UiPath	07/03/2024	1	PO3, PO5, PO12, PSO2
11.	Build your First Process in Studio	UiPath	07/03/2024	1	PO3, PO5, PO12, PSO2
12.	Variables, Constants & Arguments	UiPath	07/03/2024	1	PO1, PO5, PO12, PSO2
13.	2D/3D CAD Modeling of building design	Bentley	16/09/2022	1	PO2, PO4, PO12, PSO1, PSO2
14.	FOUNDATIONS OF USER EXPERIENCE (UX) DESIGN	COURSERA	10/01/2023	2	PO1, PO3, PO12, PO5, PSO2
15.	GET STARTED WITH FIGMA	COURSERA	18/05/2024	1	PO3, PO5, PO12, PSO2
16.	JavaScript	Code Builders	25/11/2024	1	PO1, PO3, PO12, PSO2
17.	Data Science 101	IBM	30/09/2023	4	PO1, PO5, PO12, PSO1
18.	Programming in Java	NPTEL	JUL-OCT 2024	1	PO1, PO2, PO12, PSO1
19.	Database Management System	NPTEL	JAN-MAR 2025	3	PO1, PO2, PO12, PO5, PO12, PSO1
20.	Cyber Security and Privacy	NPTEL	Jul-OCT 2024	1	PO6, PO8, PO12, PSO1
21.	Data Analytics with Python	NPTEL	Jan-Apr 2025	1	PO2, PO4, PO12, PO5, PSO1
22.	PYTHON FOR DATA SCIENCE	NPTEL	JAN-FEB 2025	5	PO1, PO2, PO12, PSO1
23.	Introduction to IoT	NPTEL	Jul-Oct 2024	1	PO1, PO2, PO12, PO5, PSO1

### Analysis:

- Students gain industry-relevant skills in emerging fields such as AI, ML, Data Science, and IoT.

Students can learn at their own pace, from any location

### 9. INNOVATIVE CLUB ACTIVITIES

- Activities are designed primarily to introduce students to undertake interesting/exciting science and technology projects/seminars/Presentations and it will provide helpful referrals on their career development.
- The Innovation Club consists of a group of students who want to explore the many branches of engineering, mathematics, and science.

#### INNOVATIVE Club Activities

2024-2025

Sl.No	Gap	Action taken	Day-Month-year	Resource person with designation	No. of students present	Relevance to POs, PSOs
1	Innovation/Prototype Validation – Converting innovation into a Start-Up Or Achieving “Value proposition Fit” & “Business Fit”	Guest Lecture	01.06.2024 to 31.08.2024	Dr.S.Pariselvam & Mrs.R.Indumathi	65	PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9, PSO1,PSO2
2	Basics of Intellectual Property Rights and its Importance for Innovators and Entrepreneurs	Guest Lecture	16.10.24	Dr.Jayakumar.M. E., Ph.D., JS-IP Design Solution	120	PO,2,3,4,5,6,8,9,10, 11 PSO 1, 2
3	Expert talk on Innovation Development, Technology Readiness Level	Guest Lecture	27.02.25	Mr.T.S.Krishnanth Founder &CEO,Thikse software Solutions	120	PO,2,3,4,5,6,8,9,10, 11 PSO 1, 2

**2023-2024**

Sl. No	Gap	Action taken	Day-Month-year	Resource person with designation	No. of students present	Relevance to POs, PSOs
1	Design Thinking, Critical Thinking And Innovation Design	Workshop	09.02.24 & 10.02.24	Dr.S.Pariselvam & Mrs.R.Indumathi	50	PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9, PSO1,PSO2
2	World Intellectual Property Day	Competition	25.04.24 & 26.04.24	Dr.S.Pariselvam & Mrs.R.Indumathi	65	PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9, PSO1,PSO2
3	IIC Activity – Q1 Motivational Session by Successful	Workshop	11.10.23	Dr.S.Pariselvam R.Indumathi	79	PO1,2,3,4,5,6,8,9,10 ,11 PSO 1, 2

	Innovators					
<b>2022-2023</b>						
1	Innovations & Exhibitions on Prototype	Poster Presentation	18.05.23	Dr.S.Pariselvam R.Indumathi	75	PO1,2,3,4,5,6,8,9,10,11 PSO 1, 2
<b>Impact Analysis:</b>						
<ul style="list-style-type: none"> <li>The overall learning experience of the students and practicing the application of concepts is improved greatly.</li> <li>Students' participation in various national level contests organized by reputed academic institutions and core companies is increased to a greater extent.</li> </ul>						

## MINIPROJECT

### Mini Projects

Batch	Gap	Project title	No. of Students	Relevant POs and PSOs
<b>Academic Year: 2024-25</b>				
1.	Practical implementation of real world problems	Smart Tiffen Box	Abhishek sharma	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
			Kumar vansh salmotra	
			Kunal saini	
2.		Smart plant Irrigation using real time sensor data	Abinaya .R	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
			Nivedha .K	
			Swani Sharma	
3.		AI mood comparison emotional detection wiuth chatbot response	Ambrin Begam.F	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
			Madhumitha .M	
	Nevedha .N			
4.	Fake Product identification usingf blockchain	Abinaya .S	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
		Jasmine Flora .J		
		Anjali Kumari.A		
5.	Iot based smart driver safety system	Anas.M.Y	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
		Hariharan.S		
		Manimaran .V		
6.	Loan eligibility Prediction using machine learning	Ashwin .R	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
		Manikandan .V		
		Theva Sanjeiv .G		
7.	Face recognition based attendance system	Deepasri .P	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
		Nisha .S		
		Jayasri .E		
8.	IoT based Quantity tracking pharmaceutical raw material	Iyyappan .N	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
		Jaidev .S		
		Kishor Bala .K		

9.	Practical implementation of real world problems	Code duel: Revolutionizing competitive programming with real time battle and innovation	Joelraj .J	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
			Jupiter .R	
			Sukhesh Ram .S	
10.		Smart Earrings bridging fashion and technology	Girishkannaa.C	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
			Logeshwaran .S	
			Sivakailash.S	
11.		Smart Shopping Basket using barcode sensor and IoT	Senthamizharan.V	PO 1,2,3,5,6 7, 9,10,11,12 PSO 1,2
			Raghul R	
			Karthikeyan .S	
12.		Smart web tracker system for maintaining and mobility using IoT	Logasri .A	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
			Hemavarrdani.T	
			Nancy Maria .F	
13.		AI based Medic Form	Mohamed Haroon .S	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
			Tamizh Selvan .P	
			Sachin .K	
14.		Sign language translation technique using CV	Mohanapriya .M	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
			Monica .T.P	
	Yoga Shree .R			
15.	Pixel mind :AI based stealth file encryption system	Mohamed Tabrez .I	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
		Porselvan.R		
		Thanigavel.p		
16.	Smart campus Automation	Niroobhamaa .j	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
		Rovina .M		
		Seetha M		
17.				

Batch	Gap	Project title	No. of Students	Relevant POs and PSOs	
<b>Academic Year: 2023-24</b>					
18.	Practical implementation of real world problems	Smart bus pass checking using RFID tag	Priyadharshini s	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
			Saranya S		
			Sathvika A		
19.		Farming assistance web service	Arthi A	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
			Nanda s krishna		
			Ramyasri B		
20.		Local connect	Harisri a	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
			Abinaya P		
			Divyadharshini n		
			Sharmila G S		
21.		Geo fencing	Tejaswini	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
			Rinjima		
			Srivarshini n		
			Swathi r		
				RiyanjaniS	

22.		Face recognition based online	Kalaiselvi A Oviyaa k Poojitha B	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2		
23.		Oral cancer detection and classification using convolutional neural networks	Dharanya G Pavithra Jazeera R	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2		
24.		Digital water control system	Akila A K Kanchana M Divya A Keerthana S	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2		
25.		Health monitoring system	Lakshmi R Srivaishnavi M Varsha P Sharunika A	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2		
26.		AI with GPU computation	Kishore N Praveenkumar N Katepallipraveen Bhuvanesh A	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2		
27.	Practical implementation of real world problems	Cgpa calculator using diango	Arounesh A Arishkumar S Aakash B Gnanaprakash T	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2		
28.		Efficient home automation system using wifi module	Kamalan R Pradeep S Tharagesh A	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2		
29.			Venkatraman sivaramakrishnan	PSO 1,2		
30.		Feedback application using node js	Aravindhan J Bhuvaneshwaran R Vasanthakumar S Saravanan G	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2		
31.			Drip irrigation using gsm controller	Dhinesh R Karthik Roshan R Madhurakavi D	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2	
32.				AI file management module using python	Sahaj A Kasinathan R Arya Ejoumalai Balasubramanian R	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
33.					Iot based parking	Ayyappa B Kishore Kumar V Kamalesh S
34.		Garbage managed system	Sanjai J Vijayakumar Jayavarman			PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2

**Academic Year: 2022-2023**

1.	Practical implementation of real world problems	Plant Disease Detection	Ajay kumar.I	PO 1,2,3,4,5,6 7,	
2.			E commerce Price Drop Alert	Keerthivasan.B	8,9,10,11,12
				Srinithil.R.S	PSO 1,2
		Gokul.P		PO 1,2,3,4,5,6 7,	
3.		Automatic number plate Detection	Ramathilagarajan.N	8,9,10,11,12	
			Sathyaranjansahoo.S	PSO 1,2	
			Pratheep. T		
4.		Online College Management System	Akash.M	PO 1,2,3,4,5,6 7,	
			Bhalamourale.S	8,9,10,11,12	
			Manikandan	PSO 1,2	
	Fayaz.F				
5.	Human Resource Management System	Mohamed Mingaz. R	PO 1,2,3,4,5,6 7,		
		Sanakian. R	8,9,10,11,12		
		Mohamed Rizwan. M	PSO 1,2		
		Kaif Sulthan. H			
6.	Smart Parking sytem	Palepu Santosh	PO 1,2,3,4,5,6 7,		
		Dinesh Raj.R	8,9,10,11,12		
		Nimalan S Daniyel. A	PSO 1,2		
7.	Text Extraction using NLP	Dhanush.S.K	PO 1,2,3,4,5,6 7,		
		Arunachalam	8,9,10,11,12		
		Prasath.R	PSO 1,2		
8.	Accident Detection system using IoT	Vigneshwaran.R	PO 1,2,3,4,5,6 7,		
		Naveen.G	8,9,10,11,12		
		Vineeth Kumar.S	PSO 1,2		
		Deepak Varman			
9.	Website creation for home décor using css	Praveen Kumar	PO 1,2,3,4,5,6 7,		
		Nirmal Kumar	8,9,10,11,12		
		Suriya. J	PSO 1,2		
10.	Smart Agricultural using IoT	Vigneshwaran.B	PO 1,2,3,4,5,6 7,		
		Soban Raj.B	8,9,10,11,12		
		Sunil Prasanna.C	PSO 1,2		
		Ramprasath.A			
11.	Fake News Detection using AI	Shreyas.R	PO 1,2,3,4,5,6 7,		
		Sakthi Priyan.S	8,9,10,11,12		
		Khalid Mohammed.K	PSO 1,2		
		Saranaathan.D			
12.	Driver Drowsiness Detection system	Srivathasan.I	PO 1,2,3,4,5,6 7,		
		Keerthivasan.R	8,9,10,11,12		
		Madhavan.R	PSO 1,2		
13.	Smart doorlock system	Jayesoorya.P			
		Akash.G	PO 1,2,3,4,5,6 7,		
		Yugendiran	8,9,10,11,12		
		Raghavan.P	PSO 1,2		

		using IoT	Sindhuja.B	8,9,10,11,12	
			Rajasri.N	PSO 1,2	
14.		Web App for cardio vasucular disease diagnosis	Deivanai.S	PO 1,2,3,4,5,6 7,	
			Lakshmi Priya.G	8,9,10,11,12	
			Vinothini.b	PSO 1,2	
15.		Smart street light system	Nirmala.R	PO 1,2,3,4,5,6 7,	
			Sivasakthi.E	8,9,10,11,12	
			Swetha.P	PSO 1,2	
16.		Terrace weather station	Haripriya.S	PO 1,2,3,4,5,6 7,	
			Pavithra	8,9,10,11,12	
			Arthi.J	PSO 1,2	
17.		ATM System	Abitha.K	PO 1,2,3,4,5,6 7,	
			Akshana.E.V	8,9,10,11,12	
			Praveena.K	PSO 1,2	
			Preethi. T		
18.		Traffic Control using IoT	Divya Coumar. M	PO 1,2,3,4,5,6 7,	
			Mohamed Samim.A	8,9,10,11,12	
			Muralidharan.M	PSO 1,2	
			Priyadrashan.E		
19.		Automatic LPG Detection system	Ashwin.G	PO 1,2,3,4,5,6 7,	
			Vigneshwar.R	8,9,10,11,12	
			Srinivasan.B	PSO 1,2	
20.		Mentoring System	Yuvan Sankar.P	PO 1,2,3,4,5,6 7,	
			Mohanraj.V	8,9,10,11,12	
			Polanath.M	PSO 1,2	
			Aravintakshan.A		
21.			Arul Raj		
22.		Handwriiten recognition system	Jayaraj .P	PO 1,2,3,4,5,6 7,	
			Merwin Raj.V	8,9,10,11,12	
			Pradeepchandran.V	PSO 1,2	
23.			Mohamed Mohsin.A		
24.		Social Media comment Analysis	Amal Salilan	PO 1,2,3,4,5,6 7,	
			Ram Pravin.VN	8,9,10,11,12	
			Mohammed Salman	PSO 1,2	
			Kavinraj .S		
25.	Practical implementation of real world problems	Patient Health monitoring system	Rajesh.R	PO 1,2,3,4,5,6 7,	
				Magesh.G	8,9,10,11,12
				Mohamed Shafic.S	PSO 1,2
				Dhinesh.A	
			Hand Gesture using NLP	Dharanidharan.S	PO 1,2,3,4,5,6 7,
			Arunachalam.V	8,9,10,11,12 PSO 1,2	
<b>Academic Year: 2021-2022</b>					
1.	Practical	Network Traffic	Sridharan .S	PO 1,2,3,4,5,6 7,	

	implementation of real world problems	Analyzer	Gokul.S	8,9,10,11,12
			Sathya Narayanan.A	PSO 1,2
2.		Data Analysis and Forecasting	Sahana Ashok	PO 1,2,3,4,5,6 7,
			Rajeshwari S.R	8,9,10,11,12
			Mahalakshmi .V	PSO 1,2
3.		Application Load Balancing using Dynamic Virtual Machine based on Auto scaling	Sowmya Deborah .J	PO 1,2,3,4,5,6 7,
			Megha .G	8,9,10,11,12
			Hemamalini .S	PSO 1,2
4.		Automated Garden	Santhos Kumar.S	PO 1,2,3,4,5,6 7,
			Dheepak.K	8,9,10,11,12 PSO 1,2
5.		Mechanized Termination of Down Pouring of Faucet	Syed In Amul Hassan.S	PO 1,2,3,4,5,6 7,
	Pugazh.S		8,9,10,11,12	
	Vedhagiri.P		PSO 1,2	
6.	Leaf Disease detection	Thirumurugan C	PO 1,2,3,4,5,6 7,	
		Vimalraji.K	8,9,10,11,12 PSO 1,2	
7.	Garden Monitoring System	Rithish Kumar .B	PO 1,2,3,4,5,6 7,	
		Nithish Kumar .S	8,9,10,11,12	
		Mohammad Afrid.S	PSO 1,2	
8.	Automatic Gas Booking Leakage Detection System using IoT	Hari Haran.V	PO 1,2,3,4,5,6 7,	
		Harishankar.S	8,9,10,11,12	
		Azhar Sheriff.I	PSO 1,2	
9.	Real Time Patient Monitoring Device	Dhivyasri .R	PO 1,2,3,4,5,6 7,	
		Jothika .P	8,9,10,11,12	
		Surya .G	PSO 1,2	
10.	Audio Transfer using Light	Rajeshwari .P	PO 1,2,3,4,5,6 7,	
		Malini .P	8,9,10,11,12	
		Rasika Sri .P	PSO 1,2	
11.	Face Mask Detection	Akshitha .S	PO 1,2,3,4,5,6 7,	
		Pavithra .M	8,9,10,11,12	
		Monisha .K	PSO 1,2	
12.	Practical implementation of real world problems	Smart Garden Monitoring System	Abinesh .S	PO 1,2,3,4,5,6 7,
			Deebankumar.R	8,9,10,11,12
			Raviender.R	PSO 1,2
13.		Visitor Monitoring System	Aswin .O	PO 1,2,3,4,5,6 7,
			Athul Dhanesh	8,9,10,11,12
			Nethaji.V	PSO 1,2
14.		Solar Power bank	Dhevetha.S	PO 1,2,3,4,5,6 7,
			Sneha. S	8,9,10,11,12
			Shabrin Begum M. S	PSO 1,2
15.		Communication based on School System	Hariharan.M	PO 1,2,3,4,5,6 7,
			Sivanessh .S.K	

			Nithiyannamalai.S	8,9,10,11,12 PSO 1,2
16.		Automated ChatBot in Whatsapp	Vignesh .G Kamalesh .R Ajay.P	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
17.		Home Automation	Dhinesh .P Muhil .S Balachander .R	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
18.		Gesture Control Contactless Elevation	MalatheeKumari .B Divyadarshini .R Haritha Sai Sri A.V.	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
19.		Online Bike Shopping	Akilan .M Thulasinathan .R	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
20.		Event Management System	Antony.J David Jackson.J Janakan.H.M	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
21.		Contact Less Gesture - Controlled Switch	Soundarya.S Subaranjani.S Sangeerthana.S	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
22.		Internet of Things in Smart Home Automation System Program	Ajay.R Sujai.K Vishva.S	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
23.		Blind Coder	Buvanaeshwaran.S Harisankaran.S Madhavan.G Nandha Kumar.K	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
24.		Automatic Float System for Water Tank	Abdul Ameer.M Hariharan.M Thanangjayan.T	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
25.	Practical implementation of real world problems	Bus Tracking System	Logeshwaran.R Sakthivel.S Suryakumar.N Kishor.S	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
26.		Automatic Gas Leakage corrective system using IoT	Ilakkiyalakshmi.G Indhu.G Liena.P Lina.R	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2

27.	IoT based Saline Level Monitoring and Automatic Alert System	Monisha.R	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
		Oviya.D	
		Priyadharshini.V	
		Yuvalakshmi.G	
28.	Safety Alert System	Rajalakshmi T G	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
		Sneha.M	
		Preethi.S	
29.	Password based Circuit breaker	Monisha.N	PO 1,2,3,4,5,6 7, 8,9,10,11,12 PSO 1,2
		Sandhiya.S	
		Keerthana.N	

*Impact Analysis:*

- Students acquired knowledge to design a model and the competent in their interested domain.
- Students are able to design their own models for the real world problem to ensure a successful learning experience.

**DOCUMENTARY EVIDENCES**

 <p><b>Value Added Course on Big Data Computing</b></p>	 <p><b>Value Added Course on Introduction to Python for Data Science</b></p>
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**Guest Lecture on – Steps to make a Brand Plan for a Start-up**



**Guest Lecture on – Full Stack Java**



**Special Lecture on CRYPTOGRAPHIC TECHNIQUES**



**Special Lecture PPT**



**Inplant Training Lenevo**



**Workshop on IPR Awareness**



**Workshop on Research Methodologies**



**Industrial Visit to Nestsoft Technologies,  
Chennai.**



**Industrial Visit to Infocom Software  
Private limited, Coimbatore**



**Mini Project Competition**



**Workshop on Automation Testing using Selenium**



**Workshop on "IoT for Robotics"**



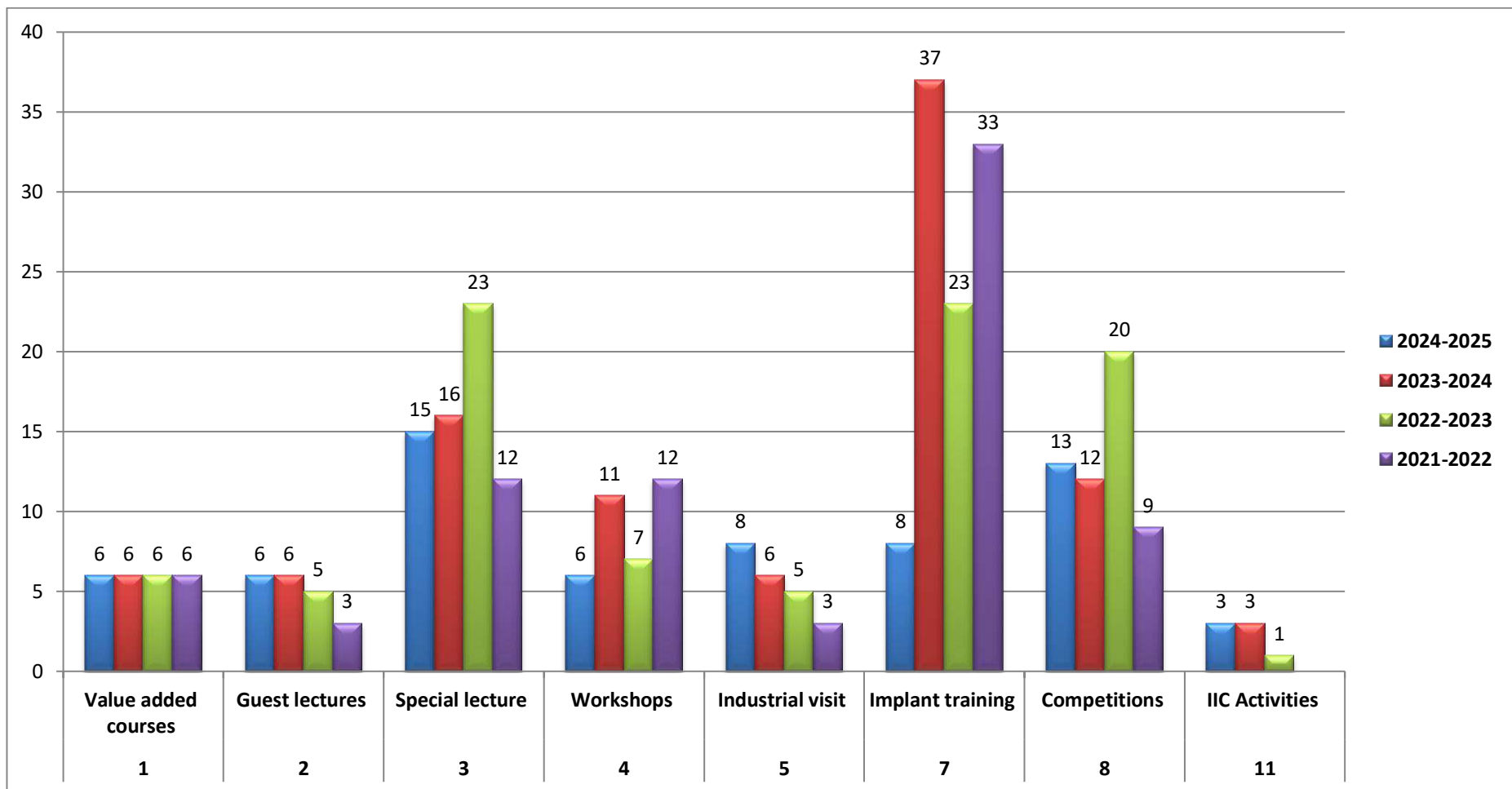
**Virtusa Jatayu Competition**



**Zoho CLiQtrix Coding Competition**

### Comparison of Activities – Content Beyond Syllabus

S.NO	Delivery details	2024-2025	2023-2024	2022-2023	2021-2022
1	Value added courses	6	6	6	6
2	Guest lectures	6	6	5	3
3	Special lecture	15	16	23	12
4	Workshops	6	11	7	12
5	Industrial visit	8	6	5	3
6	Internship	146	47	19	23
7	Implant training	8	37	23	33
8	Competitions	13	12	20	9
9	Online Certification	439	344	341	298
10	FOSS and NPTEL	231	4(NPTEL)	155	106
11	IIC Activities	3	3	1	



*Comparison of Activities Graph– Content Beyond Syllabus*