



**Prof. P. Mallikarjuna,  
Director,  
School of Engineering and Technology  
SPMVV**

### **MESSAGE**

I am extremely happy to welcome all the students to a two-day National Level Technical Fest “CELESTRA ‘23”, being organized by the department of CSE with an aim to upgrade knowledge and skills among nascent techies. I hope the fest would become a common platform for exchange of views on recent technologies among all the students to improve their subjects and other technical skills. I am pleased to congratulate all the faculty and students of the department CSE for their effort in the conduct of event.

I wish the event a grand success.

**Prof. P. Mallikarjuna**



**Prof. V. Saritha**  
**Head of the Department**  
**Computer Science and Engineering**  
**School of Engineering and Technology**  
**SPMVV**

### **MESSAGE**

It is my great pleasure to welcome you all to the technical fest "Celestra'23" at our esteemed institution. Celestra is a name that conveys a highly charged personality that attracts powerful ideas. The tag line of the event is “unveil a path for Future Innovations” aiming to provide a platform for students to exchange ideas and showcase their talents. The hope was to inspire and motivate attendees to push the boundaries of knowledge and come up with new and innovative solutions to today's problems. The event showcases the technical competence of our students and encourages them to think outside the box and come up with innovative ideas that can transform the world. Technical fests like Celestra play a vital role in shaping the future of our students. They help students develop essential skills such as critical thinking, problem-solving, and teamwork. These skills are essential in today's rapidly evolving technological landscape, and our students must have a firm grasp of them to succeed in their careers.

**Prof. V. Saritha**



**Dr. N. Padmaja**  
**Assistant Professor (Sr)**  
**Convener, Celestra'23**  
**Department of CSE**  
**School of Engineering and Technology**  
**SPMVV**

### **MESSAGE**

It is a great pleasure to inform you that School of Engineering and Technology, SPMVV is organizing CELESTRA'23. A National Level Technical Fest on 28th and 29th March, 2023 to enhance the skills of students through technical events. CELESTRA'23 includes Tech Talks, Latex Workshop, Idea Expo and other Technical Events. This technical fest is an excellent platform to show case students creative skills in latest trends and innovation. I extend my congratulations to all the staff and student participants and wish the National level Technical Fest "CELESTRA'23" a grand success.

**Dr. N. Padmaja**



**Ms. L. Jayasree**  
**Assistant Professor**  
**Co-Convener, Celestra'23**  
**Department of CSE**  
**School of Engineering and Technology**  
**SPMVV**

### **MESSAGE**

I am glad to welcome all the students to our National level Technical Fest “CELESTR’23” is organized by Department of Computer Science and Engineering of School of Engineering and Technology, SPMVV. National events of this kind will help to ignite the young brains of the institutions to promote creative thinking. We are sure that this two-day Technical Fest will provide an opportunity for the students engaged in this area to exchange their ideas and have fruitful discussion, which will provide an impetus for the rapid familiarization and advancements in the field.

I Wish CELESTR’23 a grand success.

**Ms. L. Jayasree**

## PREFACE

National Level Technical Festival Celestra'23 is the right venue for the science and technology needs. This Techfest consist of Workshops on Latex which consist of demo sessions to elucidate the Latex. This techfest consist of technical events. The events are Tech Talks (Paper Presentation), Science Canvas (Poster Presentation), Idea Expo (Model Presentation), Workshop on LATEX, Bug Blasters (Debugging), Programmer's Paradise (Coding).

A small spark is enough to ignite a burning desire, which is the most important fuel needed to achieve one's goals. Thus, this technical fest instigated a strong signal in shaping the career of the students in fields ranging from engineering and technology. This technical fest will provide an excellent national forum and it will be a great opportunity to the students to exchange and share their experiences through face to face, new ideas and views in all aspects of the Information and Computing Techniques and to find global partners for future collaboration.

This National Level TechFest consists of three Paper presentation sessions. About 40+ papers were received from all over the nation. The students at the level of B.Tech from all branches, M.Sc.(CS), etc., are presenting the papers at this TechFest. This technical fest has Workshop on Latex with participants 350+. It also have events like Programmer's Paradise with 25 participants, Bug Blaster's with 280+ participants, Science Canvas with 65+ participants.

We would like to thank all the participants for their interest in Celestra'23. We are grateful to Incharge-Vice Chancellor Prof. K. Raja Reddy for his constant encouragement and support. - Our sincere thanks to **S. Jeevitha**, Talent Acquisition Manager and **P. Revathi**, Assistant Manager HR, Zoho Corporation Pvt, Ltd., for gracing the occasion as chief guest and guest of honor. We also thank to Registrar **Prof. N. Rajani**, **Prof. P. Mallikarjuna**, Director, School of Engineering and Technology and **Prof. V. Saritha**, Head, Department of Computer Science and Engineering, **Dr. N. Padmaja**, Convener, Celestra'23 and **L. Jayasree**, Co-Convener, Celestra'23 for their support in organizing the TechFest.

We sincerely acknowledge the financial assistance from InstaCuppa. We thank all the teaching and non-teaching staff members, research scholars and students of the Department of Computer Science and engineering who have helped us in organizing this technical fest.

## PROFILE OF THE UNIVERSITY

Sri Padmavati Mahila Visvavidyalayam (University for Women) was founded in the year 1983 by Sri N.T.Rama Rao, the then Chief Minister of Andhra Pradesh, with the fervent desire to train women students as better builders of the Nation and to inculcate skills of leadership in all aspects of life. The University has a student population nearly 4800 and an academic staff of 280 including contract faculties. The University has 59 courses at the post-graduate and undergraduate level and a good component of research. The campus of Sri Padmavati Mahila Visvavidyalayam (SPMVV) is spread out in a lush green area of 138.43 acres. The University is situated at a distance of 3 km from the railway and bus stations of Tirupati. There are separate buildings for Humanities and Sciences, University Administration, Central Library, University Auditorium, Sericulture Complex, and School of Pharmaceutical Sciences and also an independent building for Computer Science, Business Management and Engineering College. The university SPMVV is Accredited with 'A+' Grade by NAAC and the performance of SPMVV is well appreciated by various ranking institutions like NIRF, TIMES, QS, ISO etc. It has given unparalleled service to Women's Education in Andhra Pradesh, drawing on the great cultural traditions of the Country as well as keeping in tune with changing times, channels of employability and assuring quality education in teaching as well as research. The university is undertaking continuously training, research, consultancy and other forms of service to local and regional communities, which will enrich our teaching and advance our quest for wisdom and truth. All the professional courses are monitored by national level bodies such as National Council for Teacher Education (NCTE), All India Council for Technical Education (AICTE), Bar Council of India and Pharmacy Council of India etc.

The goals of the University are

- To be a change agent in transforming the status of women from a minority to majority by its role and power sharing.
- To expand the horizons of knowledge by education, research and consultancy.
- To propagate knowledge through conferences and publications.
- To improve the quality of life of people and organizations in the society through extension work and consultancy.
- To strengthen and promote organization that serves the interest of women through networking and collaborations.

The University campus encompasses the Humanities, Science and Engineering Schools Headed by a Dean, Hostels for students, staff quarters, Computer Centre, Sericulture Farm, Indoor stadium, Library Buildings and Health Centre in tune with the objectives. This University is distinct from the other traditional universities, in that it lays great emphasis on the value of extension as the third dimension on par with the two dimensions viz., teaching and research.

## **PROFILE OF SCHOOL OF ENGINEERING AND TECHNOLOGY**

The School of Engineering & Technology (SOET), SPMVV, Tirupati has been established on Self-financed/Self-funding basis with the approval of the Government of Andhra Pradesh vide GOMS NO: 91 dated 11-07-2006 and also by AICTE through its letter No. S. No. AICTE/E&T/AP/2009-10/12, dated: 11- 06-2009. The School of Engineering & Technology (SOET) is committed to raise the intellectuals to tune the young women students in understanding and incorporating the basis of rapidly progressing changes in the field of Engineering & Technology, with an objective of enhancing their competence by applying their proficiency and skill for Industrial, Economics & Social development.

### **VISION**

To be a premier center of education for women in Engineering and Technology that empowers them to be globally competitive and socially responsible.

### **MISSION**

- Empowerment and Emancipation of Women through acquisition of knowledge and skill up-gradation.
- Create an ambience that promotes innovation, research and patenting in cutting edge technologies and enhance leadership qualities.
- Collaborate with industry, academic and research institutes to bring a synergetic relationship between Industry and Institute.
- Promote sense of commitment among students and faculty in applying engineering knowledge to solve the societal problems

### **OBJECTIVES**

- To create a conducive and competitive environment for students through curricular, co-curricular and extra-curricular activities.
- To promote the culture of innovation and research among the stake holders.
- To promote synergetic alliances with premier institutions, industries, and various related government organizations for collaborative research projects.
- To promote economic and social enrichment of the society through skill development programmers, entrepreneurship and extension activities.
- To introduce demand driven new UG and PG programmers.
- To ensure quality in terms of providing infrastructure and research ambience.

## **PROFILE OF DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

The department of Computer Science and Engineering (CSE) started in the year 2006 with intake of 60 students in B.Tech. Further the intake was increased to 120 (2009-10). The M.Tech(CSE) was started in the year 2013 with the intake of 24. In 2016, we had a MoU with Blekinge Institute of Technology (BTH), Sweden indicating 3 years of UG will be at SPMVV, Tirupati and one year at BTH, Sweden. Intake of ECE students for BTH program is 10.

### **VISION**

To be a center of excellence in computer science and engineering, by setting high standards for technical education and research that empowers women, make them ethically strong and drives them to high levels of achievements.

### **MISSION**

**M1:** Offer high quality education, training and research opportunities in the field of computer science and engineering.

**M2:** Train students with strong base in design, and testing on par with industrial requirements.

**M3:** Encourage student participation in skill development activities and institute-industry interaction.

**M4:** Inculcate leadership qualities, societal and ethical responsibilities.

### **OBJECTIVES**

- To enhance the academic reputation of the Department of Computer Science and Engineering.
- To improve retention, graduation rates, national ranking and reputation of graduate and professional programs.
- To Forge and strengthen relationships with other institutions, labs, and industry.
- To make the students useful to the Profession, Society and Nation equipped with academic excellence, positive attitude, communication and interpersonal skills, good character, self-confidence, Leadership qualities, Employable and entrepreneurial skills




# EVENTS

- Science Canvas (Poster Presentation)
- Idea Expo (Model Presentation)
- Tech Talks (Paper Presentation)
- Latex Workshop
- Programmer's Paradise
- Bug Blasters

## REGISTRATION DETAILS

- Registration fee: Rs.**300/-** (allowed for any 2 events) and Rs.100/- for each extra event.
- Last date for Registration: **25<sup>th</sup> March 2023**
- Lunch will be provided for two days for the registered candidates
- No Accommodation will be provided

<b>Sri Padmavati Mahila Visvavidyalayam</b>				
<b>School of Engineering and Technology</b>				
<b>Department of Computer Science and Engineering</b>				
 <b>Celestra'23</b>				
<b>Committee Details</b>				
<b>S.No.</b>	<b>Name of the Committee</b>	<b>Student Coordinators</b>	<b>Student Coordinators</b>	<b>Mobile No.</b>
1	Anchoring	N. Sai Lohitha (9398739485)	P.Geethika	8333821224
			K.V.S.S.Jagadeeswari	7995121711
2	Design and printing	Ch.Ellaji (9966904335)	T.Mounika	6301809856
			D.Neelima	9390803545
			M.Nandini	7032098841
			K.Vidyullatha	9493554225
			T.Yamuna	7702012631
3	Registration Committee	E. Ramesh Babu (9502797594)  B. Lakshmi Devi (9052715378)	L.Sudeepti	9603179523
			Ch.Gunavathi	9391838495
			N.Supraja	6309638658
			D.Sarvani	8555897699
			U.Sri Lakshmi	7901505654
			C.Manasa	9391270529
			V.Divya	9014582986
			C.Hemangi	8464925328
4	Tech Talks	V. Saraswathi Bai (9676210909)  K. Prasanthi (9959239185)  G. Rekha (8885387775)	M.Sruthi	8500536732
			B.Yesaswini	9390297892
			U.Sneha Sri	9347965145
			T. Yamini	9014323808
			M.Sindhu	9849705513
			B.Sunitha	9390844191
			M.Veneela	9390783825

			I.Karunya	7032453818
5	Idea Expo	B.Muni Lakshmi (8374544410)	P. Lekhana	7993687778
			K. Roshan Bhanu	7075019680
6	Science Canvas	G.Radhika (7793911189)	G. Manasa	9391270529
			K.Bhuvaneshwari	9346266482
7	Latex Workshop	C.Pradeepthi (8639296867)  A.Supriya (8801249696)  G.Srihitha (7093836093)	Ch. Sruthi	7386009939
			R.Supriya	7396930623
8	Programmer's Paradise	V.J. Vijaya Geetha (9502042674)	Ch. Dharshitha	9866241199
			T.Sai Deepika	8498867202
			B.Kavya	9121766813
9	Bug Blasters	P.Jaya Sri (7207293617)	A.L.Hamida	9121904246
			K.Chandhana Priya	9573506138
			P. Usha Kiran	7842126429
10	Food Committee	M. Sethuram (9491157273)	N.Likitha	8522037231
			U.Poorna Chandrika	9949852401
			R.Bhavani	9390963829
			B. Bhagya Sri	9347344157
			M. Harshini	6303988545
11	Publicity and Certificate Writing	K. Lavanya (9704090939)	P.Ashritha Poornima	8464927970
			P.Devaki	8886433810
			T. Lakshmi Lahari	7981045097
			V.Vasavi	9346161312
			J.Likitha	9951334901
			G.Prashanthi	7032395898

## Guidelines for the Events in Celestra'23

### General Instructions:

- Students should wear College ID card.
- 3 Prizes for each event and participation certificate to every participant will be given.

### Science Canvas (Poster Presentation)

**Theme:** Impact of Internet and Mobile Devices in Education

- Candidates have to present the given theme in the form of poster (Chart) using paints /crayons/sketches/paper crafts etc.

#### Note:

- Maximum Members in a Team: 2
- No prior submissions are required for Science Canvas.
- Poster need to be prepared by the candidates before and present in the event on 28<sup>th</sup> March 2023.

### Idea Expo (Model Presentation)

- Candidates should make hardware or software model using any trending Technologies.

#### Note:

- Maximum Members in a Team: 4
- Candidates have to send Description and Screenshots of the model to the mail ([celestracespmvv@gmail.com](mailto:celestracespmvv@gmail.com))
- Candidates should present the model before the panel during the event on 28th March 2023.
- **Hint:** Final Year students can present their final year projects in Idea Expo.

### TECH TALKS (Paper Presentation)

- Candidates have to send an abstract of their proposal in any thrust area of Computer Science and Engineering field (PDF format).
- Abstract should be minimum 250 words and not more than 350 words.
- After receiving acceptance for your abstract from the Celestra 2k23 Team, you have to send full length paper.

#### Note:

- Maximum Members in a Team: 4
- You will be allowed to present the paper even if you are not able to send the full length paper.
- During the event, the participants are given 8 minutes to present their paper and 2 minutes for queries.
- **Format for Full Length Paper:**
  - Single column
  - Font Style: Times New Roman
  - Font Size:
    - Title: 16 (Bold)
    - Heading: 14 (Bold)

- Subheading: 12 (Bold)
- Text: 10
- Min. Pages: 6
- Line Spacing: 1.15
- Margins:
  - Top: 2.54 cm
  - Bottom: 2.54 cm
  - Left: 2.54 cm
  - Right: 2.54 cm
- Section numbers need to be specified.

### **Latex Workshop**

- Candidates will be given training in Latex which will be helpful for preparing any documentation (Ex: Project documentation, Internship documentation, Paper publication, etc.)

#### **Note:**

- Maximum Members in a Team: 1
- No prior submissions required

### **Programmer's Paradise (Coding)**

- A given problem need to be solved within a given stipulated time using any programming language (C, C++, JAVA & PYTHON) of the candidate choice.
- The test cases (sample input and expected output) will be checked by the team to verify whether the program of the candidate is successful or not.

#### **Note:**

- If u want to write code in any other languages other than the above mentioned, intimate us through mail
- Maximum Members in a Team: 1
- No prior submissions required

### **Bug Blaster (Debugging)**

- The errors need to be rectified in the given code to get the expected output for the given test cases.

#### **Note:**

- Maximum Members in a Team: 1
- No prior submissions required

## PROGRAM SCHEDULE

<b>DATE: 28 – 03 – 2023 (Tuesday)</b>			
<b>TIME</b>	<b>EVENT</b>	<b>VENUE</b>	<b>Judges</b>
09:30 AM - 10:30 AM	Inauguration	Driti Hall, KL Rao Block, SoET	
10:30 AM - 11:30 AM	Science Canvas	MV 406	Mrs. B. Rupa Devi Dept. of CSE AITS-Tirupati
11:30 AM - 01:00 PM	Idea Expo	MV 406	
01:00 PM - 02:00 PM	<b>Lunch Break</b>		
02:00 PM - 02:30 PM	Keynote Address		
02:30 PM – 05:30 PM	Tech Talks	MV 100	Dr. K. Reddy Madhavi Dept. of CSE MBU, Rangampet
		MV 101	M.V.Muthu Lakshmi Dept. of Computer Science, SPMVV
		CC-3 LAB	Prof. M. Humera khanam Dept. of CSE S.V. University Tirupati
<b>DATE: 29 – 03 – 2023</b>			
09:30 AM - 01:00 PM	Latex Workshop	CC-1 Lab, CC-2 Lab, CC-3 Lab	<b>Resource Person:</b> Mrs. M.Supriya Amrita School of Computing, Amrita Visvavidyalayam, Bangalore
01:00 PM - 02:00 PM	<b>Lunch Break</b>		
02:00 PM - 03:00 PM	Programmer's Paradise	CC- 3 LAB	Ms. Vijaya Geetha Asst. Prof, CSE SoET, SPMVV
03:00 PM – 04:00 PM	Bug Blasters	CC-3 LAB	Ms. P. Jayasree Asst. Prof, CSE SoET, SPMVV
04:00 PM – 05:00 PM	Valedictory Function	Driti Hall, KL Rao Block, SoET	















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# Inauguration

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
 SCHOOL OF ENGINEERING AND TECHNOLOGY  
 SRI PADMAVATI MAHILA VISVAVIDYALAYAM  
 WOMEN'S UNIVERSITY, TIRUPATI  
 ACCREDITED WITH 'A+' GRADE BY NAAC ISO 9001 : 2015 CERTIFIED

*We cordially invite you to the Techfest  
 A National Level TechFest*

## CELESTRA'23


### Inauguration

by

<b>Guest of Honor</b> Revathi.P Associate HR Zoho Corporation	<b>Chief Guest</b> Jevitha.S Talent Acquisition Manager Zoho Corporation
<b>Patron</b> Prof. V. Saritha HoD, CSE, SOET	<b>Chief Patron</b> Prof. P. Mallikarjuna Director, SOET
<b>Faculty Co-Convenor</b> L. Jayasree	<b>Faculty Convenor</b> Dr. N. Padmaja
<b>Student Co-Convenor</b> V.Divya	<b>Student Convenor</b> T. Lakshmi Lahari

Venue: Dhriti Multipurpose Hall, KL Rao Block, SOET, SPMVV  
 Time: 9:30 AM  
 Date: 28th March 2023

We look forward for your presence  
 CSE Department







**No. of Registrations: 67**

### Registration Details

S No	NAME	TEAMS	COLLEGE
1	Surangala Syam Peddi Suresh	Team 1	National Sanskrit University
2	M.Bharath	Team 2	Siddharth Institute of Science and Technology
3	R Soniya	Team 3	SPMVV
4	M.Sindhusa		SPMVV
5	G.Vidyavarshita	Team 4	SPMVV
6	N.Radha Aishwarya		SPMVV
7	G.Manju	Team 5	SPMVV
8	V.Harshitha		SPMVV
9	P.Madhusri	Team 6	SPMVV
10	O.Shahina bhanu		SPMVV
11	K.Mouthika	Team 7	SPMVV
12	K.Pallavi		SPMVV
13	SK.Mehathaj	Team 8	SPMVV
14	P.Lakshmi Durga		SPMVV
15	N.Manaswini	Team 9	SPMVV
16	S.Lohitha	Team 10	SPMVV
17	GC Varshitha	Team 11	SPMVV
18	c.pushpavathi		SPMVV
19	P.Ramy chitra	Team 12	SPMVV
20	s.v lakshmi kumara		SPMVV
21	M.Tejaswini	Team 13	SPMVV
22	B.Panitha		SPMVV
23	J. Sravani	Team 14	SPMVV
24	P. Naga Sai Pravallika		SPMVV
25	Kondareddygari Jyothi snigdha	Team 15	SPMVV



26	Shaik Yasmeen	Team 16	SPMVV
27	P.Vaishnavi		SPMVV
28	kondri navajanya	Team 17	SPMVV
29	Ch.Priyanka		SPMVV
30	GONDU LAXMI PRASANNA	Team 18	SPMVV
31	P.Sada Lakshmi		SPMVV
32	B.Jwala Hema	Team 19	SPMVV
33	Thanniru Divya		SPMVV
34	MADAKASIRA TEJASWINI	Team 20	SPMVV
35	N.Mounika		SPMVV
36	SV.Pavani	Team 21	SPMVV
37	V.Vishnu Harshita	Team 22	SPMVV
38	Thirumalapudi Yeshitha	Team 23	SPMVV
39	Yasmin. Shaik	Team 24	SPMVV
40	N.Niharika		SPMVV
41	Bolisetti Aswani	Team 25	SPMVV
42	kotha kaveri	Team 26	SPMVV
43	P.Mounika		SPMVV
44	B.Bhava Priya	Team 27	SPMVV
45	P.Rajeswari	Team 28	SPMVV
46	M.Sharada		SPMVV
47	Mounika Veluru	Team 29	SPMVV
48	SURNAM CHANDANA		SPMVV
49	Govindappagari Gayathri	Team 30	SPMVV
50	Tadipatri Harshitha		SPMVV
51	Ragipati Shaima	Team 31	SPMVV
52	M.S.vishnu teja	Team 32	SPMVV
53	K. Anu	Team 33	SPMVV
54	R.Aamani	Team 34	SPMVV
55	B. Jenice	Team 35	SPMVV
56	Dudekula shahara banu	Team 36	SPMVV
57	G.H.Laasya Sai	Team 37	SPMVV
58	B.Sriya Sai		SPMVV
59	Amrutha Tejaswini.P	Team 38	SPMVV
60	Muthyalamma	Team 39	SPMVV
61	Devarakonda supraja		SPMVV
62	V.Varshini	Team 40	SPMVV
63	S.Akshaya	Team 41	SPMVV
64	V.Alekhyia		SPMVV
65	GAYATHRI VETA	Team 42	SPMVV
66	P.Jyothika		SPMVV
67	T. Likitha	Team 43	NEC





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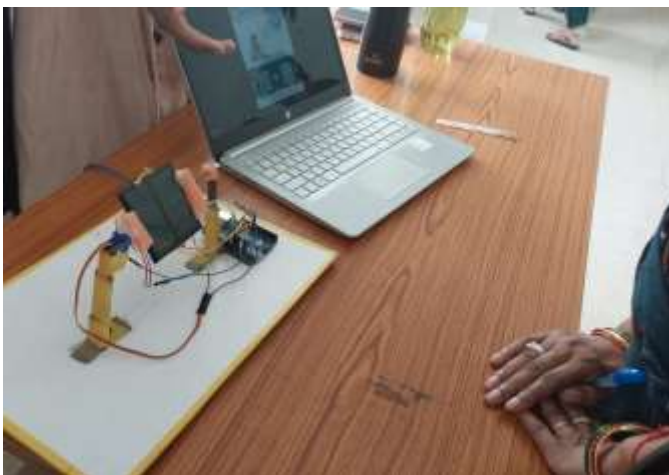




No. of Registrations: 17

### Registration Details

S.No	NAME	COLLEGE
1	L. Saravana	Panimalar Institute of technology
2	Shrinivas S S	
3	Bhargav Venigalla	
4	K. Lasya	SPMVV
5	M.Pranav Bharathi	SPMVV
6	V.Sathwika	SPMVV
7	K.Sandhya	SPMVV
8	B. Varsha	
9	P.Srivalli	
10	Y.Snehankitha	SPMVV
11	M.Priyanka	SPMVV
12	G.Radhika	
13	G.Tejaswini	
14	B.Tabhitha	
15	K.V.S Alekhya	Geethanjali Engineering college
16	P.V Deepika	
17	CH. Abhi Sai	



**PAPER ID:** C23CSEM001

**TITLE:** Medical Drone

**AUTHORS:** L.SARAVANA, V.BHARGAV, S.S.SHRINIVAS

**EMAIL ID:** [aravana08052002@gmail.com](mailto:aravana08052002@gmail.com)

**INSTITUTE:** PANIMALAR INSTITIUTION OF TECHNOLOGY

**ABSTRACT:** Medical drones are unmanned aerial vehicles (UAVs) that are designed to deliver medical supplies, such as medication and equipment, to remote or hard-to-reach areas. The use of drones in healthcare can greatly improve access to medical care for people living in remote locations and can also help to reduce the cost and time associated with traditional transportation methods. The project aims to design and develop a medical drone that is able to carry medical supplies and is able to navigate to the intended destination autonomously. The drone will be equipped with GPS, cameras, and sensors to ensure safe and efficient delivery of the medical supplies. Additionally, the project will also include a software system that can be used to track the location of the drone and monitor the delivery of the medical supplies.

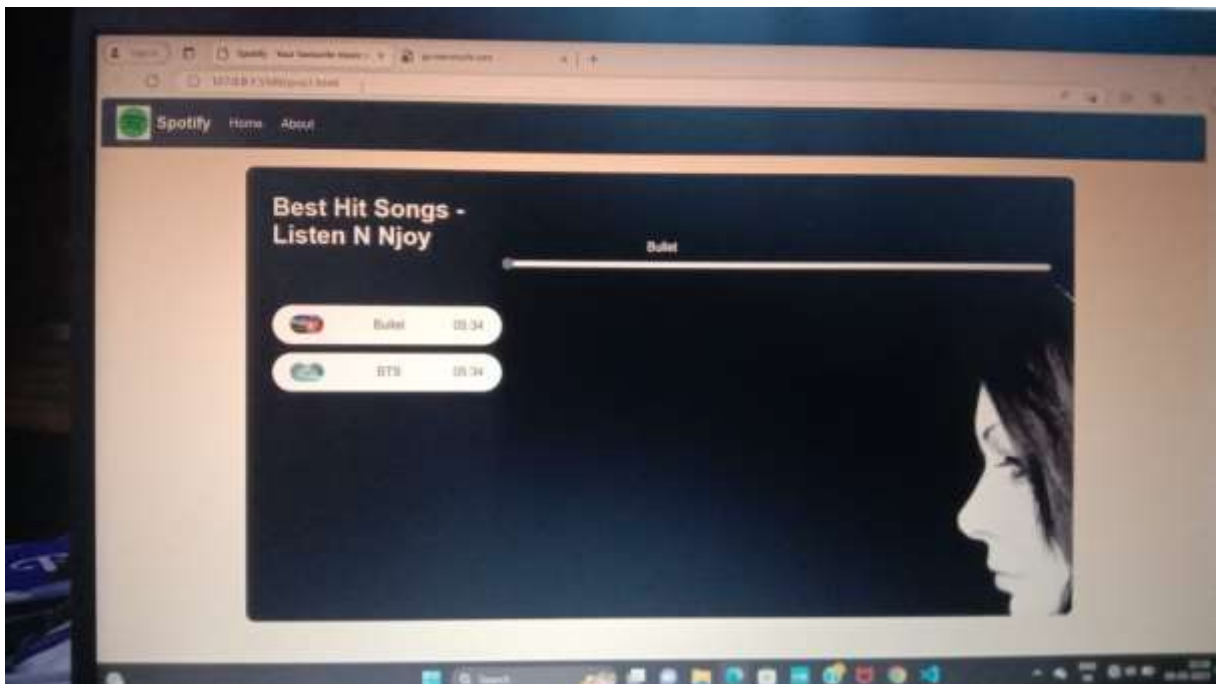




**PAPER ID:** C23CSEM002  
**TITLE:** Spotify Clone  
**AUTHORS:** K. Lasya, M. Pranav Bharathi  
**INSTITUTE:** SPMVV

**ABSTRACT:** To develop a web application spotify clone which is music streaming app which provides a free platform to listen music. Some music player only available in online. So spotify clone provides the offline platform for users. Users will use the offline option to stream the album and listen without using the internet. Spotify clone helps to release private albums in a single page. It makes easier to search as it contains limited no of songs. The song can be added to the required playlist and hear it. To create a spotify clone using HTML, CSS and javascript. We use Javascript code for a little bit of functionality in spotify clone.

Amazing features and functionalities of our music streaming platform helps you provide an improved experience to users. Users can explore their favourite playlist on any mobile platform. Users can easily shuffle the list of their favourite songs to enjoy any of the songs randomly. Admin can manage the whole app and music streaming portal through an effective admin panel provided to them.



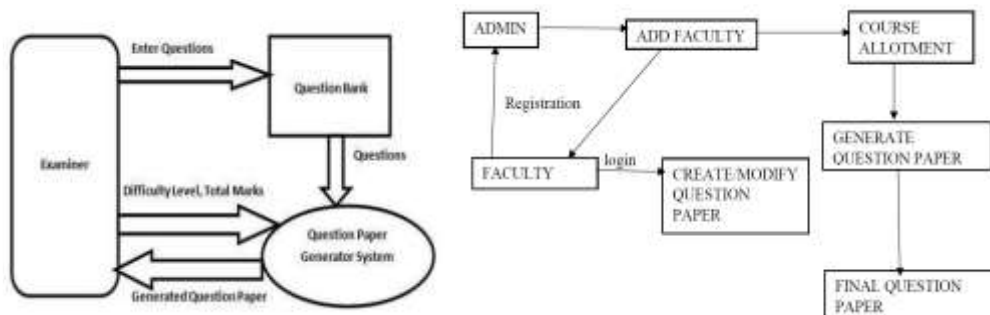
**PAPER ID:** C23CSEM003

**TITLE:** AUTOMATED QUESTION PAPER GENERATION USING QUESTION BANK

**AUTHORS:** V.Sathwika

**INSTITUTE:** SPMVV

**ABSTRACT:** In present generation, education is considered as the most essential mode for accomplishing success. It is important to mention tests and examination, when we talk about education. These examinations help the people in their way of quest for knowledge. So, having an ideal pattern for framing the question is much important. Manual mode of question paper setting has been the traditional method till now. But this process can be deliberated as not effective due to various reasons like privacy, repetition concerns. So, we have proposed an automated question paper generation which is secure, fast and randomized. Each and every task performed by the system is automated hence bias, security, storage space is not an issue now. Moreover, we have a proposed a new algorithm which guarantees that there will be no repetitions and the questions are totally randomized. The process of generating a question paper is administered by the Syllabus Engine, Pattern Composer and Question Aggregator. The question paper which is generated by automation follows the course pattern. The attributes of the questions are complexity, marks and type and these are competently used in the whole process of question paper generation. A built-in question bank is readily used in the question paper generating system. Automated question paper generation uses an algorithm of shuffling as a technique of randomization which uses an array which store the random numbers generated. The proposed work describes an automated system that progresses from the traditional method of paper generation to an automated process, by providing controlled access to the resources.



**PAPER ID:** C23CSEM004

**TITLE:** ALUMNI PROJECTS ARCHIVING SYSTEM

**AUTHORS:** B. Varsha, K. Sandhya, P. Srivalli

**INSTITUTE:** SPMVV

**ABSTRACT:** Managing and controlling the final year projects of students using manual or traditional process is a very tedious job. The main aim of this project is to create an automated system for managing all the activities of projects. Project management system is a system for managing, controlling, monitoring the final year projects of students. Admin will manage the accounts of herself. It is a web based portal or application which is useful for students, project coordinator and project guide. after login admin can upload data and view data. The students can be able to view the projects only after the admin publish the projects. The students can take references to the projects. An Alumni Projects Archiving System is a platform that enables organization to easily store and maintain the projects submitted by the Alumni students. A Projects Archiving System automates the entire process resolved around within an organization, saving time and resources. It focus on important tasks before them and eliminating the traditional need to record and file all the projects.



Project ID	Project Title	Project Year	Project Abstract	Project File	Delete
1	Blockchain technology and decentralized governance	2022	In more technology of blockchain, the blockchain, has recently emerged as a disruptive innovation with a wide range of applications, potentially able to reshape our interactions in business, politics and society at large. Although relatively abstract in this subject is growing, a comprehensive analysis of blockchain applications from a political perspective is severely lacking in data. This paper aims to fill this gap and it discusses the key aspects of blockchain-based decentralized governance, which challenges the existing degree the traditional mechanism of state authority.	<a href="#">View</a>	<a href="#">Delete</a>
2	an efficient and secure dynamic	2022	In Cloud computing, data owners host their data on cloud servers and users (data consumers) can access the data from cloud servers. Due to the data outsourcing, however, the non-parallel of data hosting service also introduces the security challenges, which require an independent auditing service to check the data integrity in the cloud. Some existing security auditing schemes can only serve for static written data and they cannot be applied to the auditing service since the data in the cloud can be dynamically updated. Thus, an efficient and secure dynamic auditing method for the cloud is required.	<a href="#">View</a>	<a href="#">Delete</a>

**PAPER ID:** C23CSEM005  
**TITLE:** Vehicle Parking Management System  
**AUTHORS:** Y. Snehankitha, M. Priyanka  
**INSTITUTE:** SPMVV

**ABSTRACT:** Due to the increasing population in urban cities, there is an exponential rise in the number of vehicles which is leading to poor traffic management and congestion. Vehicle parking management system is a simple web technology that will manage the records of incoming and outgoing vehicles in a parking place. This system contains of admin and user. Admin can control the whole system and the user is can input information of the customer vehicle, and manage parking slot. Therefore the user can book or pre-book a slot. The vehicle owner will be able to reserve a slot for his/her vehicle from anywhere and will be provided with a QR code which will be scanned on the entry of the parking area. The system also determine the cost of parking of vehicle.



**PAPER ID:** C23CSEM006

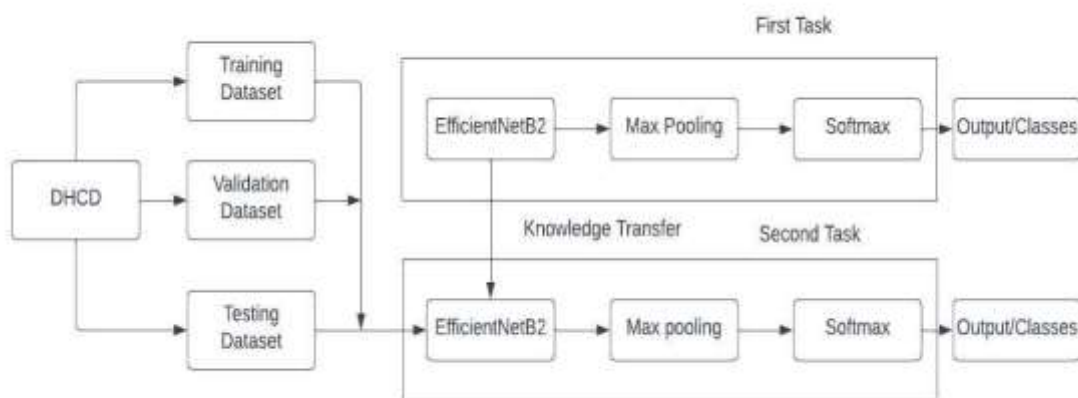
**TITLE:** HANDWRITTEN TEXT RECOGNITION

**AUTHORS:** G. Tejaswini, G. Radhika, B. Tabhitha

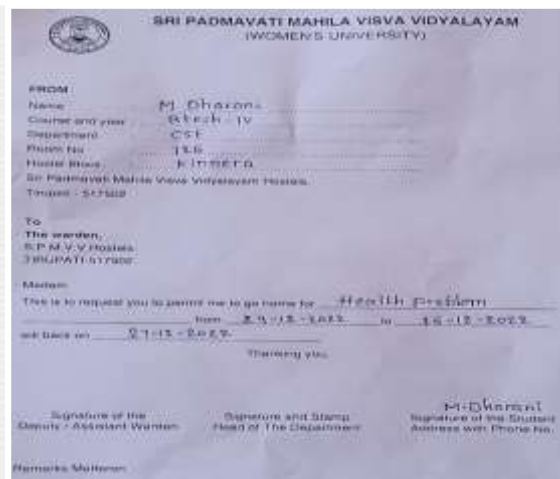
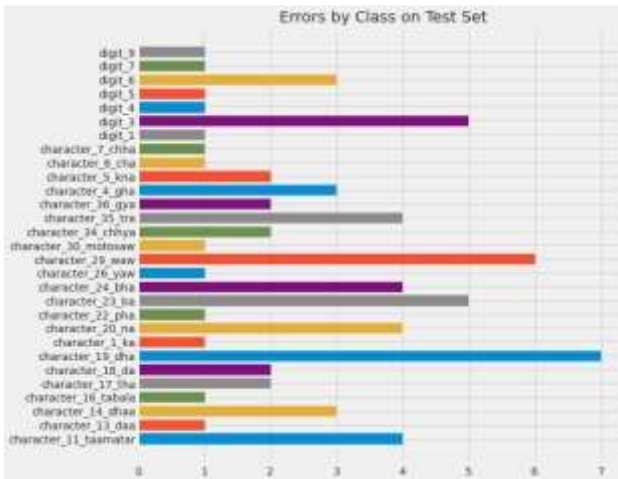
**INSTITUTE:** SPMVV

**ABSTRACT:** Handwritten character identification is a topic that has been researched for years and is an area of interest for the community of Pattern recognition researchers since It may be put to use in a wide range of fascinating applications. all across the field. This subject is a difficult challenge as a task because each person has their own unique writing style. CNN models are some of the available options for handling this problem's many different ways and approaches. HCR is a need in the modern world since it assists us in a variety of fields of public domain, which makes it all the more vital to study in depth. Off-line digit recognition and online digit recognition are both examples of the hybrid character recognition (HCR) category. In this study, we review the many existing algorithms that have been implemented to get the better knowledge of the course, and we will come to a conclusion on the best strategies that are currently being developed for HCR.

HCR for Devanagari is carried out by the performance of a computational device that accepts input from documents, screens, photos, and other responsive devices and believe to provides output by reading those images as an ASCII or UNICODE format. This theory is supported by the fact that computers have become increasingly powerful in recent years. Sanskrit, Nepali, Marathi, and Hindi are some of the languages that are represented in Devanagari. This script is a blend of numerous languages. This implementation is more important because the design of upper-case and lower-case characters in Devanagari are more complicated than in most other languages out there. Comparatively speaking, the set of characters and digits used in Devanagari is more complicated than the set of characters used in the English language. Character recognition has been hampered by the absence of verified datasets including Devanagari, which has made the task more difficult to do in the field.







```
C:\Windows\System32\cmd.exe - python main.py
exddatax01111:-Btech-IV
exddatax01111:-Department
exddatax01111:-CSE
exddatax01111:-r...
exddatax01111:-Room No
exddatax01111:-.....
exddatax01111:-Hostel Block
exddatax01111:-Kinnera
exddatax01111:-Sri Padmavati Mahila Visva Vidyalayam Hostels
exddatax01111:-Tirupati -517502
exddatax01111:-To
exddatax01111:-The warden,
exddatax01111:-S.P.M.V.V.Hostels
exddatax01111:-TIRUPATI-517502
exddatax01111:-Madam
exddatax01111:-This is to request you to permit me to go home for Health Pro bleas
exddatax01111:-from 24-12-2022
exddatax01111:-to
exddatax01111:-26-12-2022
exddatax01111:-will back on
exddatax01111:-21-12-2022
exddatax01111:-Thanking you
exddatax01111:-M.Dharani
exddatax01111:-Signature of the
exddatax01111:-Signature and Stamp
exddatax01111:-Signature of the Student
exddatax01111:-Deputy/Assistant Warden
exddatax01111:-Head of The Department
exddatax01111:-Address with Phone No
exddatax01111:-Remarks:Not given
```

```
extracted_text
File Edit View
For every correct answer,the Candidate will be
awarded 2 marks andalso there will be a
Penalty of 0.50 marks for every wrong
answer.
SRI PADMAVATI MAHILA VISVA VIDYALAYAM
WOMEN'S UNIVERSITY)
FROM
Name
..M..Dharani
Course and year : ...
Btech-IV
Department
CSE
...
Room No
.....
Hostel Block
Kinnera
Sri Padmavati Mahila Visva Vidyalayam Hostels
Tirupati -517502
To
The warden,
S.P.M.V.V.Hostels
TIRUPATI-517502
Madam
This is to request you to permit me to go home for Health Pro bleas
from 24-12-2022
to
26-12-2022
will back on
21-12-2022
Thanking you
M.Dharani
Signature of the
Signature and Stamp
Signature of the Student
Deputy/Assistant Warden
Head of The Department
Address with Phone No
Remarks:Not given
```

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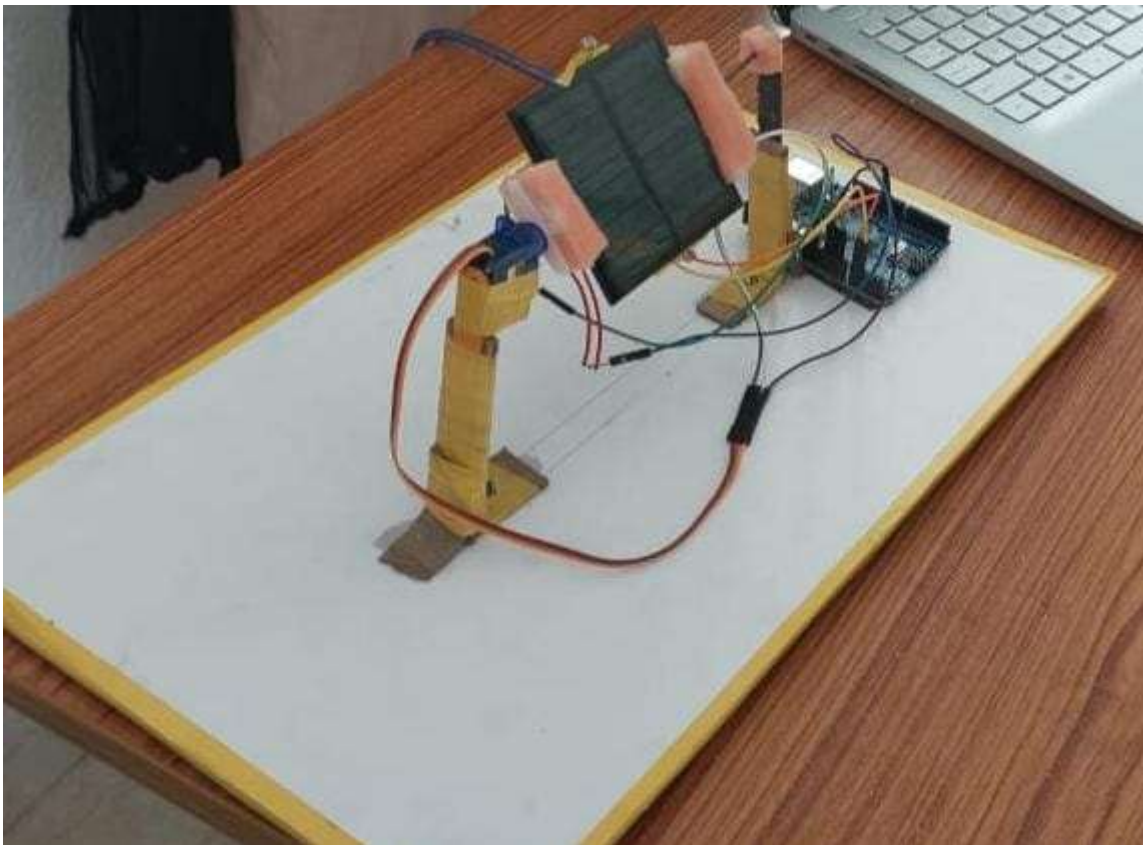
**PAPER ID:** C23CSEM007

**TITLE:** Solar Tracking Device

**AUTHORS:** K.V.S. Alekhya, P.V. Deepika, Ch. Abhi Sai

**INSTITUTE:** Geethanjali Engineering College

**ABSTRACT:** In this project, we have done an Arduino Based Solar Tracker Using LDR & Servo Motor. The Solar Panel Tracker is designed to follow the sun movement so that maximum light intensity hits on the solar panel, thus increasing the power efficiency. We have designed a single-axis solar tracking system. In this system, the whole solar panel moves from east to west in a day to point in the direction of the sun. The use of a solar tracker circuit in the field of energy production will increase its efficiency. This system can also be successfully implemented in other solar energy-based projects like water heaters and steam turbines. The basic principle is two LDR's (Light Dependent Resistor) LDR1 & LDR2 are connected to Analog pins of the Arduino. A solar plate is attached in parallel to the axis of the servo motor and both the sensors are kept on the solar plate.



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53	S.H.S.M.Salini Devi		SPMVV
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55	P.Padma Prapoorna		
56	B.Abinaya Sree	Indian Regional Language Recognition Using Gps & Gas	National Sanskrit University
57	Hima Bindu.D	E-Voting Using Block Chain Technology	SPMVV
58	Jeevana sri		SPMVV
59	V.Divya	Plant Leaf Disease Detection	SPMVV
60	B.Lavanya		SPMVV
61	M.Bharath	Metaverse	Siddarth institute of science and technology
62	A.Mani Sree Vidya	Artificial Intelligence	SPMVV
63	Kollu tharunkumar	Cyber Security Awareness	Sri Venkatesa Perumal College of Engineering and Technology
64	Bogineni Yaswanth Kumar		
65	K.V.S Alekhya	The advancement of AI	Geethanjali Engineering College
66	P.V Deepika		
67	CH. Abhi Sai	Chat GPT	Geethanjali Engineering College



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**SESSION – 1**

**Venue:** MV100  
 Department of CSE  
 SoET, SPMVV, Tirupati

**Date:** 28 – 03 – 2023

**Time:** 02:00 PM to 05:00 PM

<b>CODE</b>	<b>TITLE</b>
C23CSE001	<b>CRITICAL ANALYSIS ON ATTACK SURFACES OF AMAZON ALEXA</b> D.Sushma, SK.Rizwana
C23CSE002	<b>FACIAL RECOGNITION TECHNOLOGY</b> V.Jai Sri Lakshmi Sudha
C23CSE003	<b>DEVOPS-A SOFTWARE DEVELOPMENT</b> R.Tanisha, V.Subitha, U.Vasundara
C23CSE004	<b>ARTIFICIAL INTELLIGENCE</b> K.Pallavi
C23CSE005	<b>BLUE BRAIN</b> CH.Muni kumari, N.Yukthika, G.Vasavi, Y.Gayatri
C23CSE006	<b>CYBER SECURITY</b> SK.Mehataj
C23CSE007	<b>ARTIFICIAL INTELLIGENCE</b> T.Poojitha,C.Lavanya, A.Mani sree vidya
C23CSE008	<b>ARTIFICIAL INTELLIGENCE IN SPACE &amp; OCEAN TECHNOLOGY</b> N.Niharika
C23CSE009	<b>E-VOTING USING BLOCK CHAIN TECHNOLOGY</b> D.Himabindu, Jeevanasri
C23CSE010	<b>PLANT LEAF DISEASE DETECTION</b> V.Divya, B.Lavanya
C23CSE011	<b>BLOCK CHAIN</b> A.Bhavana
C23CSE012	<b>CYBER SECURITY AND ITS IMPORTANCE</b> N.Premakala
C23CSE013	<b>INTEGRATING BLOCKCHAIN WITH CYBER SECURITY</b> T.Haritha
C23CSE028	<b>THE ADVANCEMENT OF AI</b> K V S Alekhya, P V Sai Deepika
C23CSE041	<b>CHAT GPT</b> Ch. Abhi Sai

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**SESSION – 2**

**Venue:** MV101  
 Department of CSE  
 SoET, SPMVV, Tirupati

**Date:** 28 – 03 – 2023

**Time:** 02:00 PM to 05:00 PM

<b>CODE</b>	<b>TITLE</b>
C23CSE014	<b>INTERNET OF THINGS</b> K.Parimala, E.Thanmai
C23CSE015	<b>CYBER SECURITY</b> P.Bhavagna
C23CSE016	<b>ROBOTICS PROCESS AUTOMATION (RPA)</b> Y.Dakshayani, G.Geethika, G.Hemana
C23CSE017	<b>HUMANOID ROBOTS</b> D.Poojitha
C23CSE018	<b>CHAT GPT</b> M.Hasmitha, J.Deepa
C23CSE019	<b>INTERNET OF THINGS</b> M.Punya Nagasri
C23CSE020	<b>ARTIFICIAL INTELLIGENCE &amp; HUMAN JOBS</b> A.Deekshitha, S.Lakshmi Bhavitha
C23CSE021	<b>DECENTRALIZED BLOCKCHAIN TECHNOLOGY</b> K.Chinmayi
C23CSE022	<b>INTERNET OF THINGS</b> M.Kyathilekha, Y.Harika
C23CSE023	<b>BLOCKCHAIN TECHNOLOGY</b> N.Manaswini
C23CSE024	<b>NEURALINK CORPORATION AND NEURO TECHNOLOGY</b> R. Vijayasri, G.Hemasaisree
C23CSE025	<b>INTERNET OF THINGS</b> CH.Varshitha
C23CSE026	<b>CLOUD COMPUTING</b> M.Poojitha
C23CSE027	<b>CYBER SECURITY</b> T.Pavani



### SESSION – 3

**Venue:** Computer Center – 3  
Department of CSE  
SoET, SPMVV, Tirupati

**Date:** 28 – 03 – 2023

**Time:** 02:00 PM to 05:00 PM

CODE	TITLE
C23CSE029	<b>USE OF SANSKRIT IN NLP</b> P.Suresh
C23CSE030	<b>IMPLEMENTATION OF REAL TIME MEDICAL DRONES WITH DATA SECURITY PARADIGM</b> V.Bhargav, L.Saravana, A.Santhosh, P.Krishna Vamsi
C23CSE031	<b>INDIAN REGIONAL LANGUAGE RECOGNITION USING GPS &amp; GAS</b> B.Abhinaya sree
C23CSE032	<b>VOICE CONTROL HOME AUTOMATION</b> D.V.Hari Manasa, S.H.S.M.Shalini Devi
C23CSE033	<b>GRAPH THEORY IN NETWORK SECURITY</b> B.Pavan Kumar
C23CSE034	<b>DEEP LEARNING TECHNIQUES TO RECOGNISE STRESS USING FACIAL EXPRESSIONS</b> S.N.Swetha, P.Padma Prapoorna
C23CSE035	<b>METAVVERSE</b> M.Bharath
C23CSE036	<b>CYBER SECURITY AWARENESS</b> K.Tharun Kumar, B.yaswanth Kumar
C23CSE037	<b>CHAT GPT-THE REVOLUTIONARY AI</b> B.Jenice
C23CSE038	<b>CLOUD BASED ATTENDANCE SYSTEM</b> N.Ruchitha, V.Sai Hemangi
C23CSE039	<b>DIGITAL TWIN TECHNOLOGY</b> S.Pranathi
C23CSE040	<b>CYBER SECURITY</b> J.K.S.Likhitha

# **TECH TALK ABSTRACTS**

**PAPER ID:** C23CSE001  
**TITLE:** CRITICAL ANALYSIS ON AMAZON ALEXA  
**AUTHORS:** SUSHMA DEVALLA, SHAIK RIZWANA  
**EMAIL ID:** [sushmadevalla7103@gmail.com](mailto:sushmadevalla7103@gmail.com)  
**INSTITUTE:** SPMVV

**ABSTRACT:** Alexa is a versatile cloud-based voice service that was launched in 2014 and is now active in millions of households worldwide. Amazon has taken a very drastic step in 2014 to unlock additional revenue from its customers and remain top of mind. It launched the echo with its AI Alexia. The Echo combines the core components of AI and E-Commerce in an Architectural Innovation that delivers an all-encompassing consumer experience. Alexa's user-friendly personalized vocal experience offers customers a more natural way of interacting with cutting-edge Technology by allowing the ability to directly dictate commands to the assistant. Now in the present year, the Alexa service is more accessible than ever from not only Amazon but also third-party device manufacturers. Unfortunately, that success has also been a source of concern and controversy. This Paper also explains Amazon Alexa's Security and Privacy concerns. Overall, we have identified six attack surfaces covering the lifecycle of Alexa voice interaction that traverses several stages including voice data collection, transmission, processing, and storage. We also discuss the potential mitigation solutions for each criticized impact to better improvement of Alexa or other voice assistants in terms of security and privacy.

**PAPER ID:** C23CSE002  
**TITLE :** FACIAL RECOGNITION TECHNOLOGY  
**AUTHORS :** V.JAI SRI LAKSHMI SUDHA  
**EMAIL ID :** [sudhaveeranki9494@gmail.com](mailto:sudhaveeranki9494@gmail.com)  
**INSTITUTE:** SPMVV

**ABSTRACT:** This paper represents the advanced technology, Facial Recognition System. The goal of this paper is to brief in about Facial Recognition Technology. It is a category of Biometric security and more opted technology system than other forms such as Voice Recognition, Fingerprint recognition, Eye Retina or Iris Recognition. It is more advantageous since it requires no physical interaction on behalf of user. Since it is very accurate, it allows high verification rates. Facial Recognition is a way of identifying or confirming an individual's identity using their face. It works by identifying and measuring facial features in an image. Facial Recognition can identify human faces in images or videos and determines if the face in two images belonging to the collection of existing images. The most common type of Machine Learning algorithm used for Facial Recognition is a deep learning Convolution Neural Network. CNNs are a type of artificial neural network that are well-suited for image classification tasks. The benefit of CNN is that it has a ability to develop an internal representation of a 2-Dimensional Image. It has features like classification, Image processing and Segmentation etc. This technology gives a glance on developing a security system based on face recognition. By face recognition system we can fulfil the purpose of security. The data is protected electronically and thus eliminating the risk of unusual tempering of data and unnecessary damage and providing better security.

**PAPER ID:** C23CSE003  
**TITLE:** DEVOPS-A SOFTWARE DEVELOPMENT  
**AUTHORS:** TANISHA.R, UPPARI VASUNDHARA  
**EMAIL ID:** [tanisharameshkumar3@gmail.com](mailto:tanisharameshkumar3@gmail.com)  
**INSTITUTE:** SPMVV

**ABSTRACT:** DevOps is a collaboration of development and operations devised to stress on communication and integration between them. The main objective of DevOps is to help an organization to grow and excel. With its help. An organization can produce software products and services. Continuous development and innovation is required in an organization and DevOps training has been started in the orientation itself. Many researches have been written about it since 2009 and various blogs are available on the internet. Organizations have associated themselves with DevOps for a lean startup methodology. DevOps aims to aid software application by standardizing development environments. The main use of DevOps is to streamline the day to day activities of an organization and speed up the process for timely deliveries. Companies are focusing on the automation of processes this way timely delivery and quality results are achieved. Getting the workforce trained with the latest technologies and getting optimum work for them have become the need of the hour. Problems can be more easily solved by this software development method. Developers are trained and given environmental control and application centric knowledge to sustain. Simple processes are modified to result in optimum development and growth.

**PAPER ID:** C23CSE004  
**TITLE:** ARTIFICIAL INTELLIGENCE  
**AUTHORS:** K. PALLAVI  
**EMAIL ID:** [pallavikakaraparthi14@gmail.com](mailto:pallavikakaraparthi14@gmail.com)  
**INSTITUTE:** SPMVV

**ABSTRACT:** Artificial Intelligence otherwise known as AI, it is the development and the theory of some computer systems which are able to undertake certain tasks which will normally need the intelligence of humans. The tasks that are normally in need of the human intelligence are the likes of translation of languages, making decisions recognition of speech among others. Good examples of these technologies that fall under the AI are; augmented reality, Virtual Assistants, and robots. On the other hand, employee productivity can also be called workforce productivity. Productivity is evaluated in terms of the output of employees within a given time. My research is limited to American multinational corporations like Amazon and Google. American Multinational Corporations using AI Technology Many of tech companies and organization are putting into use the AI technologies that are made up of the robots, augmented reality and even the virtual assistants. At its simplest form, artificial intelligence is a field, which combines computer science and robust datasets, to enable problem-solving. It also encompasses sub-fields of machine learning and deep learning, which are frequently mentioned in conjunction with artificial intelligence.



**PAPER ID:** C23CSE005  
**TITLE:** BLUE BRAIN  
**AUTHORS:** CH.MUNI KUMARI, N.YUKTHIKA , G.VASAVI ,  
Y.GAYATHRI  
**EMAIL ID:** yukthikan@gmail.com  
**INSTITUTE:** SPMVV

**ABSTRACT:** As the human brain is full of complexities and difficult to understand, in this modern technological world scientists are in search to create an artificial brain that can think, respond, take decisions and keep anything in memory which is similar to human brain and i. e, feasible through blue brain. Blue brain is the world's first virtual brain. It means a machine that can function as a human brain. The main aim is to upload human brain into machine. So that knowledge, intelligence, personalities, Feelings and memories of the person can be used for the development of the human society even after the death of a person.

**PAPER ID:** C23CSE006  
**TITLE:** CYBER SECURITY  
**AUTHORS:** SK MEHATHAJ  
**EMAIL ID:** skmehathaj6@gmail.com  
**INSTITUTE:** SPMVV

**ABSTRACT:** After China and the U.S, India has the highest number of internet users. There are also an estimated over 381 million mobile phone subscriptions with internet connectivity. In the list of online infection risk India ranks 9th and in personal computer across the globe, India ranks 7<sup>th</sup>. A recent survey by McAfee named India next to Brazil, Romania, Mexico the least able to defend against cyberattacks. Cyber security threats and hacking attempts in India rose to 22,060 in 2012 from 23 in 2004 what it means. Cyber terrorism is the convergence of terrorism and cyberspace. It is generally understood to mean unlawful attacks and threats of attacks of against computers, networks, and the information stored therein when done to intimidate or coerce a government or its people in furtherance of political or social objectives. Cyber Threats Cyber threats can be disaggregated, based on the perpetrators and their motives, into four baskets: cyber espionage, cyberwarfare, cyberterrorism, and cybercrime. The same computing DNA that produced the communications revolution has also created acute vulnerabilities – and attractive terror targets – for societies that depend on cyberspace for national security and economic survival.

**PAPER ID:** C23CSE007

**TITLE:** ARTIFICIAL INTELLIGENCE

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**ABSTRACT:** In today's world, technology is going very fast and we are getting in touch with different technologies day by day. Here one the blooming technologies of computer science is artificial intelligence which is ready to create a new revolution in the world by making intelligent machines. The artificial is now all around us (chat Gpt). It is currently working with a variety of sub fields, ranging from general to specific, such as self driving cars, playing chess, providing theorems, playing music, painting, recognition. AI holds a tendency to cause a machine to work as a human. AI is composed of two words Artificial and Intelligence where artificial defines manmade and Intelligence defines thinking paper with artificial intelligence you do not need to preprogram a machine to do some work despite that you can create a machine with programmed algorithms which can work with own intelligence and this is the awesomeness of AI.

**PAPER ID:** C23CSE008

**TITLE:** ARTIFICIAL INTELLIGENCE IN SPACE &  
OCEAN TECHNOLOGY

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**ABSTRACT:** Artificial intelligence (AI) leverages computers and machines to mimic the problem-solving and decision-making capabilities of human mind. Currently AI used in various things and fields such as virtual assistants, chat bots, farming, autonomous flying, retail, fashion, security, self-driving cars etc. So everyone aware of how AI used in everyday things and fields however most of them don't know how it's used in some areas where the exploration done inner and outer space of earth, those areas are "Space technology" and "Ocean technology". This is about how AI is being used in Space technology and Ocean technology in various ways for fascinating future.

**PAPER ID:** C23CSE009  
**TITLE:** E-VOTING USING BLOCKCHAIN TECHNOLOGY  
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**ABSTRACT:** Building a secure electronic voting system that offers the fairness and privacy of current voting schemes, while providing the transparency and flexibility offered by electronic systems has been a challenge for a long time. In this work-in-progress paper, we evaluate an application of Block chain as a service to implement distributed electronic voting systems. The paper proposes a novel electronic voting system based on block chain that addresses the limitations in existing systems and evaluates some of the popular block chain frameworks for the purpose of constructing a block chain-based e-voting system. This paper suggests a framework by using effective hashing techniques to ensure the security of the data. The use of consortium block chain is suggested, which ensures that the block chain is owned by a governing body (e.g., election commission), and no unauthorized access can be made from outside. The framework proposed in this paper discusses the effectiveness of the polling process, hashing algorithms; utility, block creation and sealing, data accumulation, and result declaration by using the adjustable block chain method. This claims to apprehend the security and data management challenges in block chain and provides an improved manifestation of the electronic voting process.

**PAPER ID:** C23CSE010  
**TITLE:** PLANT LEAF DISEASE DETECTION  
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**ABSTRACT:** In the real world, we are surrounded by humans who can learn everything from their experiences with their learning capability, and we have computers or machines which work on our instructions. But can a machine also learn from experiences or past data like a human does? So here comes the role of machine learning. Machine Learning is said as a subset of artificial intelligence that is mainly concerned with the development of algorithms which allow a computer to learn from the data and past experiences on their own. Using machine learning we can detect plant diseases. In this report, we determined the Plant leaf disease detection. Diseases in plants cause major production and economic losses as well as reduction in both quality and quantity of agricultural products. Now a day's plant diseases detection has received increasing attention in monitoring large field of crops. Farmers experience great difficulties in switching from one disease control policy to another. The naked eye observation of experts is the traditional approach adopted in practice for detection and identification of plant diseases. This technique will improve productivity of crops. This paper also compares the benefits and limitations of these potential methods. It includes several steps viz. image acquisition, image pre-processing, features extraction and disease classification

**PAPER ID:** C23CSE011  
**TITLE:** BLOCK CHAIN  
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**ABSTRACT:** Block chain, the technology behind the Bitcoin crypto-currency system, is considered to be both alluring and critical for ensuring enhanced security and privacy for diverse applications in many other domains – including in the Internet of Things eco-system. It is a technology that is developed using a combination of various techniques such as mathematics, algorithms, cryptography, economic models, and so on. It is a public ledger of all cryptocurrency transactions that are digitized and decentralized. All the transactions of cryptocurrencies are stored in chronological order to help users in tracking the transactions without maintaining any central record of the transactions. Proof-of-Work, a cryptographic puzzle, plays a vital role in ensuring BC security by maintaining a digital ledger of transaction, which is considered to be incorruptable. Furthermore, BC uses a changeable Public Key to record the user identity, which provides an extra layer of privacy. Not only in cryptocurrency has the successful adoption of BC implemented but also in multifaceted non-monetary systems such as in: distributed storage systems, proof-of-location, healthcare, decentralized voting and so forth.

**PAPER ID:** C23CSE012  
**TITLE :** CYBER SECURITY & ITS IMPORTANCE  
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**ABSTRACT:** Cyber security proper began in 1972 with a research project on ARPANET (the advanced research agency network), a precursor to the internet. Also known as information security (INFOS). it is the practice of protecting computers, networks, servers, from Attacks. The primary objective for this to ensure data protection. The main Cyberattacks are Malware, Denial of service (DOS), Man in the middle (MITM). Various methods can available for Cyber threats protection. The ANTI-VIRUS SOFTWARE PROGRAM from a trusted, legitimate source and always keep it. it is the most comprehensive protection. FIREWALLS act as a barrier between a safe, internal network and horrors in external networks. PASSWORDS are the simple and effective way to protect. A good password is random, and frequent changed. TWO-FACTOR authentication adds an extra layer of security to a standard password. MFA decrease the risk of compromise the cyber security is only the aspect to protect and secure the data from hackers, spammers, and cyber criminals. to protect The data and valuable information we have to follow the protecting methods and techniques.

**PAPER ID:** C23CSE013  
**TITLE:** INTEGRATING BLOCKCHAIN WITH  
CYBERSECURITY  
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**ABSTRACT:** As the use of digital technologies becomes more general, the need for effective cybersecurity measures has become important. One promising technology for addressing cyber security challenges is blockchain, which provide a decentralized and secure way to store and share data. Overall, I conclude that the integration of blockchain with cyber security has significant potential to enhance the security and resilience of digital system.

**PAPER ID:** C23CSE014  
**TITLE:** INTERNET OF THINGS  
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**ABSTRACT:** The Internet of Things (IoT) is a rapidly growing technology that connects devices and objects to the internet, enabling them to communicate and exchange data. It refers to a network of connected devices, objects, and sensors that collect and exchange data over the internet without human intervention. IoT is a rapidly growing field with the potential to transform many industries, including healthcare, transportation, agriculture, and manufacturing has the potential to revolutionize the way we live, work and interact with the world around us. With IoT, we can collect and analyze data in real time, automate processes, and make more informed decisions. As IoT continues to evolve and mature, it will be important to address these challenges and fully realize the potential of this transformative technology. IoT devices typically communicate with each other and with central servers using wireless protocols, such as Wi-Fi, Bluetooth, and cellular networks. However, the widespread use of IoT also raises concerns about data privacy and security. As more and more devices are connected to the internet, there is a risk of cyberattacks and data breaches. Therefore, it is important to ensure that proper security measures are in place to protect the data collected by IoT devices.



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**ABSTRACT:** Cybersecurity is a necessary consideration for information technology as well as Internet services. We need to recognize the importance of different types of risks that exist in the online world. Enhancing cyber security and protecting critical information are essential to nation's security and economic being. Whenever we think about the cyber security we think of cybercrime which is increasing day-by-day. Various governments and companies are taking many measures to prevent the cyber-crime. This paper mainly focuses on trends, challenges and cyber ethics in the field of cyber security. Cyber incidents emphasize the importance of staying up-to-date on global cybercrime trends, especially concerning the use of mobile and personal computing devices. Making the Internet safer (and protecting Internet users) has become integral to the development of new services as well as governmental policy. Given that technical measures alone cannot prevent any crime, it is critical that law enforcement agencies are allowed to investigate and prosecute cybercrime effectively. Today many nations and governments are imposing strict laws on cyber securities in order to prevent the loss of some important information. Every individual must also be trained on this cyber security and save themselves from these increasing cybercrimes. The scope of cyber security is not just limited to securing the information in IT industry but also to various other fields like cyber space etc.

**PAPER ID:** C23CSE016  
**TITLE:** ROBOTIC PROCESS AUTOMATION (RPA)  
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**ABSTRACT:** Robotic Process Automation is a software technology which constructs, deploys and manages software robots. Just like humans, robots do things like navigating systems, identifying and retrieving data, and carrying out a wide range of actions. It is the use of software with artificial intelligence and machine learning capabilities to handle high-volume repetitive tasks that previously required humans to perform these tasks, including addressing queries, making calculations, maintaining records, and performing transactions. It offers measurable benefits at the outset, such as cost savings, greater accuracy and speed delivery. It has greater productivity, greater accuracy, i across platforms, good customer experiences, and higher scalability. RPA is employed in insurance, banking, health, manufacturing, the public sector, and life sciences. Using RPA, it built simple bots that extract information from several invoices into one Excel sheet, attach all the necessary financial reports, and send them over to his superiors via email at a specific time everyday solutions anyone can easily operate. By letting the robots evaluate and enhance the processes, RPA becomes more intelligent and can grow into a source of knowledge inside the organization to the detriment of human resources, raising concerns about a coming social paradigm in which machines would take over business tasks more frequently and at almost all levels.

**PAPER ID:** C23CSE017  
**TITLE:** HUMANOID ROBOTS  
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**ABSTRACT:** The main purpose of the humanoid robot is to use these robots instead of humans in many types of works like maintenance, hospitalization, space travels, industries and coal mines. Humanoids have impacted human usefulness in the field of instruction and medical service. This paper characterizes the humanoid robots in light of their applications. An Introduction To Humanoid Robots: In this age of artificial intelligence many companies are focused on creating highly humanoid robots that can work closely with actual humans in the hospitality and customer service. These are used for inspection and maintenance. They have skin they have eyes but they are not made of flesh and bones. Humanoid robots are outfitted with sensors and actuators. The latest iteration can talk like us and express a wide range of emotions. Some of them can hold a conversation for long time and others can even remember the last interaction.

**PAPER ID:** C23CSE018  
**TITLE:** CHAT GPT  
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**ABSTRACT:** Chat GPT stands for "Generative Pre-trained Transformer. A form of artificial intelligence. Chat GPT is a natural language processing tool driven by AI technology that allows you to have human-like conversations. The language model can answer questions and assist you with tasks such as composing emails, essays and code. Chat GPT was created by OpenAI, an AI and research firm. The company launched Chat GPT on November 30, 2022. Chat GPT is free to use at the moment because it is still in its research. OpenAI launches Chat GPT Plus, a new subscription service on Feb 1, 2023, which allows users to have general access even during peak times, experience faster response and have priority access. Chat GPT is an open-source code that has also allowed researchers and developers to build on its capabilities and improve the model's performance. One of the key features of Chat GPT is its ability to generate human-like text that is difficult to distinguish from text written by humans. This has made it a valuable tool in a variety of applications such as chatbots, language translation and content creation. Chat GPT sometimes writes plausible-sounding but incorrect or nonsensical answers. Fixing this is challenging. Chat GPT has a limited range of topics. Chat GPT for customer service is that they can't be complex questions or requests.

**PAPER ID:** C23CSE019  
**TITLE:** INTERNET OF THINGS  
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**ABSTRACT:** We're entering a new era of computing technology that many are calling the Internet Of Things(IOT). Machine to Machine, Machine to infrastructure, Machine to environment. The internet of everything. In this paper work a system is being developed to connect any door with internet. So that the access control system can be controlled from anywhere in the world. IOT assists to transmit data with among devices Tracing and Monitoring devices and other things. A wi-fi module is configured with any nearby wireless modem to access internet. The received internet commands are fed to the wi-fi module. The program within the wi-fi module execute the received commands based on which the load get activated through TRIAC and opto-coupler interfaced to wi-fi module. IOT make objects 'smart' by allowing them to transmit data and automating of tasks, without lack of physical interference. The creativity of this new era is boundless, with amazing potential to improve our lives.

**PAPER ID:** C23CSE020  
**TITLE:** ARTIFICIAL AND HUMAN JOBS  
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**ABSTRACT:** The development of artificial intelligence(AI) does influence human jobs but not necessarily in a negative way. Although labour force participation rates and firms' job vacancies for human labour decline, the unemployment rate may be lower than that in an economy without AI. In an economy with heterogeneously skilled workers, the invention of AI usually has a negative effect on skilled labour market but a positive effect on unskilled labour market. The overall unemployment rate may decline as AI develops.

**PAPER ID:** C23CSE021  
**TITLE:** DECENTRALISEDBLOCKCHAIN  
TECHNOLOGY APPLICATION IN BANKING  
SECTOR  
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**ABSTRACT:** With ever-evolving technologies, the banking systems can update from their traditional methodologies to a digital, immutable, distributed ledger that can be implemented via Blockchain. Blockchain Technology is a distributed peer to peer linked structure which can solve the problem of maintaining and recording transactions in a banking system. Blockchain provides properties like transparency, robustness, auditability, and security. This paper aims at giving these functionalities in a distributed banking system using blockchain, which will be at par with the current methodologies. It will also focus on the limitations while implementing blockchain and future scope.

**PAPER ID:** C23CSE022  
**TITLE:** INTERNET OF THINGS  
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**ABSTRACT:** The Internet of Things (IoT) refers to the interconnectivity of everyday devices and machines, allowing them to collect and exchange data through the internet. This technology has the potential to revolutionize various industries, including healthcare, transportation, manufacturing, and agriculture. IoT devices can range from simple sensors to complex machines, all connected to the internet to enable real-time data collection, analysis, and decision-making. The collected data can be used to optimize operations, improve productivity, reduce costs, and enhance customer experience. One of the main benefits of IoT is the ability to automate and remotely monitor various processes, leading to improved efficiency and productivity. For instance, in manufacturing, IoT can be used to monitor the production line, track inventory, and manage equipment maintenance. In healthcare, IoT devices can be used to monitor patients remotely, ensuring timely diagnosis and treatment. However, the widespread adoption of IoT also poses various challenges, including privacy and security concerns, standardization, and interoperability issues. Additionally, the sheer volume of data generated by IoT devices can overwhelm traditional data storage and processing systems, requiring new approaches to manage and analyze the data.

**PAPER ID:** C23CSE023  
**TITLE:** BLOCK CHAIN TECHNOLOGY  
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**ABSTRACT:** Blockchain, the foundation of Bitcoin, has received extensive attentions recently. Blockchain serves as an immutable ledger which allows transactions take place in a decentralized manner. Blockchain-based applications are springing up, covering numerous fields including financial services, reputation system and Internet of Things (IoT), and so on. However, there are still many challenges of blockchain technology. We lay out possible future trends for blockchain.

**PAPER ID:** C23CSE024  
**TITLE :** NEURALINK CORPORATION AND NEURO TECHNOLOGY  
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**ABSTRACT:** Neuralink corporation is an American neuro technology company that develops implantable brain-computer interfaces (BCIs) based in Fremont, California. Founded Elon musk and a team of seven scientists and engineers, Neuralink was launched in 2016 and was first publicly reported in March 2017. A fully implantable, cosmetically invisible brain-computer interface to let you control a computer or mobile device anywhere you go. Micron-scale threads would be inserted into areas of the brain that control movement. Each thread contains many electrodes and connects them to an implant called the "Link." The threads on the Link are so fine and flexible that they can't be inserted by the human hand. Instead, a robotic system that is designed to reliably and efficiently insert these threads exactly where the neurosurgeon wants them to be is built. a neurosurgical robot performs the operations and a high-density electronic system is capable of processing information from neurons. The initial goal of the developing technology is to help people with paralysis regain independence through the control of computers and mobile devices. As the technology develops, we can able to increase the channels of communication with the brain, accessing more brain areas and new kinds of neural information. This paper provides the assessment of the neuralink technology and objectives of the neuralink corporation.



**PAPER ID:** C23CSE025  
**TITLE:** INTERNET OF THINGS  
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**ABSTRACT:** The Internet of Things is a network of physical devices, vehicles, home appliances, and other items that are embedded with sensors, software, and connectivity which enables them to connect and exchange data with each other and with the internet. The aim of internet of things is to create a seamlessly connected world where devices can communicate with each other to automate tasks, improve efficiency, and enhance the user experience. The Internet of Things-centric concepts like augmented reality, high-resolution video streaming, self-driven cars, smart environment, e-health care, etc. have a ubiquitous presence now. These applications require higher data rates, large bandwidth, increased capacity, low latency, and high throughput. The following section illustrates the basics of IoT. It deals with various layers used in IoT and some basic terms related to it. It is basically the expansion of services provided by the Internet. These include carrier aggregation, multiple-input multiple-output (MIMO), coordinated multipoint processing, device-to-device communications (D2D), and centralized radio access network. Finally, the paper discusses challenges in the implementation of 5G-IoT due to high data rates requiring both cloud-based platforms and IoT devices-based edge computing.

**PAPER ID:** C23CSE026  
**TITLE :** CLOUD COMPUTING  
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**ABSTRACT:** The term 'cloud computing' also refer to the technology that make cloud work. This includes some of virtualized IT infrastructure, servers, operating system networking, private or public, the goal of cloud computing is to provide easy, scalable access to computing resources and IT services. Cloud infrastructure involves the hardware and software components required for implementation of a cloud computing model. SAAS-also known as cloud-based software or cloud applications-is application software that can hosted in the cloud, and that user access a web browser, a dedicated desktop or an API that can be integrate with a desktop or a mobile operating system. PAAS provides software developers with on-demand platform-hardware complete software stack, infrastructure, and even development, and managing applications without the cost, complexity, flexibility. With pass, the cloud provider hosts everything-servers, networks, storage, operating system, middleware, databases-at their data center. Using cloud computing data may be stored in the cloud for subsequent reference in depth analysis and improved performance and improved performance customers and business and organizations and servers.

**PAPER ID:** C23CSE027  
**TITLE :** CYBER SECURITY  
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**ABSTRACT:** The objective of this paper is to know about how data is secured in today's digitalization world by cyber security. As organizations are evolved they are more prone to cyber attack's. A study rise in cybercrime highlights the flaws in devices and services we've come to depend on. This concern forces us to ask what cyber security is, why it's essential, and what are cyber threats and how serious are cyber threats these days and what solutions are used for cyber security. Cyber security is concerned with protecting information, hardware, and software on the internet from unauthorized use, intrusions, sabotage and natural disasters. The numerous ways in which computer systems and data can be compromised has made cyber security a growing field. Data needing cyber security could be online banking information, medical or financial information, and private photographs. Application security, network security, mobile security are subdomains of cyber security However, cyber security is not always easy to implements as there are threats to cyber security itself. Cyber security threat is any malicious act that seeks to damage or steal data and disrupt digital life in general. Cyber threats are continuously changing from common to complex. The conclusion of this paper gives brief about what is cyber security, cyberattacks, cyber threats and cyber solutions in today's evolving modern and digitalization world.

**PAPER ID:** C23CSE028  
**TITLE:** THE ADVANCEMENT OF AI (SHOULI (BE A DESIGNER)- With the Application Of AI)  
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**ABSTRACT:** SHOULI app based on AI, addressing to various features regarding fashion, clothing, designing, purchasing. where one can choose/design their own outfits on their own interests. The average person already encounters artificial intelligence in a range of everyday consumer apps like Netflix, Facebook, Snapchat and many more. The principle behind it is: Reasoning Recommendation, Behavioural. Which makes it more effective by Personalization, Advanced search, Predicting user behaviour, improved security level, Chat bots This app makes the costumer satisfy with their designs, and takes less time to design their outfits instead of searching in other platforms. Since there are Many fashion related games for teens this could be a another level where you can see you as a model and also get the product delivered. Just by sitting you can choose you fabric, colour, design for your outfit instead of wasting time by going out and avoiding lots of confusions. In conclusion, due to tremendous change in the technology the world is in our finger tips and then why not fashion there is a huge rise in online shopping

**PAPER ID:** C23CSE029  
**TITLE:** USE OF SANSKRIT IN NLP  
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**INSTITUTE:** NATIONAL SANSKRIT UNIVERSITY

**ABSTRACT:** This paper represented the sanskrit language is input to NLP (natural processing language) for computers. Sanskrit is rule-based, formula-based, and logical syntax makes it an excellent choice for writing algorithm. The highly organised structure and bare minimal ambiguity from a semantic and syntactic point of view sanskrit is one of the best language for use in NLP.

**PAPER ID:** C23CSE030  
**TITLE:** IMPLEMENTATION OF REAL TIME MEDICAL  
DRONES WITH DATA SECURITY PARADIGM  
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**ABSTRACT:** Medical drones are used to transport medical supplies, equipment, and personnel to remote and underserved areas, providing life-saving assistance to communities in need. However, the current system of medical supply chains is often inefficient and prone to errors, with little transparency and accountability. Blockchain can be used to securely store and manage information about medical drone deliveries, including the origin and destination of the drones, as well as the type and quantity of medical supplies being transported. Additionally, Blockchain can also be used to manage payments for medical drone services, ensuring that payments are securely and transparently processed, and to track the maintenance and repair of medical drones, ensuring that they are in good condition and safe to use in conclusion, the implementation of medical drones using blockchain technology has the potential to greatly improve the efficiency, security, and transparency of medical supply chains. This can help to ensure that medical supplies and equipment reach their intended destination.

**PAPER ID:** C23CSE031  
**TITLE:** INDIAN REGIONAL LANGUAGE RECOGNITION USING  
GPS & GAS  
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**ABSTRACT:** By this project of Indian regional language recognition using GPS and GAS, we will be able to track the speech or languages of India using the Global Positioning System (GPS). Through this the people would be easily known all the possible content about the particular Regional Languages of India. This will be more useful to the tourists, children, etc. In this project by taking the users speech as an input the system will be showing the route of the Regional Language that are spoken in the India. We also include the sample of all the Regional Languages of India. So that the user can get to know faster. A voice recognition GPS operates by utilizing speech commands instead of typed commands. This can be Accessed by anyone in the world. Each GPS satellite carries an accurate record of its own position and time, and broadcasts that data continuously. This system also offers obstacle detection automatically using IR sensor and a smartphone app has been developed for Children, Adults and all other age groups who seek for information know about the location of the Regional Language.

**PAPER ID:** C23CSE032  
**TITLE :** VOICE CONTROL HOME AUTOMATION  
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**ABSTRACT:** Voice Control Home automation is the process of making the home appliances operate on the voice command or the movement. Home automation involves introducing a degree of computerized or automatic control to certain electrical and electronic systems in a building. These include lighting, temperature control, security systems, garage doors, etc. A hardware system is installed to monitor and control the various appliances. The system would control the appliances based on its configuration. The main objective of this project is to develop a home automation system being remotely controlled by any Android OS smart phone. As technology is advancing so houses are also getting smarter. Modern houses are gradually shifting from conventional switches to centralized control system, involving remote controlled switches. Presently, conventional wall switches located indifferent parts of the house make it difficult for the user to go near them to operate. Even more it becomes more difficult for the elderly or physically handicapped people to so. Remote controlled home automation system provides a most modern solution with smart phones. In order to achieve this, a Bluetooth module is interfaced to the Arduino board at the receiver end while on the transmitted end, A GUI application on the cell phone sends ON /OFF commands to the receiver where loads are connected. By touching the specified location on the GUI, the loads can be turned ON / OFF remotely through this technology.

**PAPER ID:** C23CSE033  
**TITLE:** GRAPH THEORY IN NETWORK SECURITY  
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**ABSTRACT:** Network Security protects network and data from breaches, intrusions and other threats. A graphical representation of interaction of various group of nodes is called as a traffic dispersion graph. Network coding is a networking technique in which transmitted data is encoded and decoded to increase network throughput, reduce delays and make the network more meritoriousness network activities. The concept of traffic dispersion graph which can help easy identification of access pattern over a network. Adjacency matrix attack graph will examine and detect possible risks to safe guard the critical network system against multi step attacks. The directed edges in a TDG (Traffic Dispersion Graph) can be used to identify the initiator of the interaction between a pair of nodes. One of the major problem in mobile communication networks is network traffic i.e., amount of data moving across a network at a given point of time. Network optimization can create the effect of increasing capacity of the network. Prioritizing traffic is a highly efficient way to enhance network performance and can better share the available resources by allowing intermediate node to perform the operations, in addition to forwarding packets. The challenges can be overcome by application of graph theory as TDG (Traffic Dispersion Graph), attack graphs, network coding etc., in wireless mobile networks.

**PAPER ID:** C23CSE034  
**TITLE :** DEEP LEARNING TECHNIQUES TO RECOGNISE STRESS  
USING FACIAL EXPRESSIONS.  
**AUTHORS :** S.N.SWETHA , P.PADMA PRAPOORNA  
**EMAIL ID :** swethaneelakantan35@gmail.com  
**INSTITUTE:** NATIONAL SANSKRIT UNIVERSITY

**ABSTRACT:** Stress is how human will react when they feel under pressure or threatened. It usually occurs when unexpected things that are happen in a situation that we don't feel how to manage or control. We all feel stressed at times, but what one person finds stressful may be very different from what another finds stressful. The stress can be easily identified by recognize through human face by conveying emotion or reaction. The human face has a great store and variety of expressions. By using image processing techniques facial expressions can be captured which is used for creating data set. A data set is a collection of related, discrete items of related data that may be accessed individually or in combination or managed as a whole entity. Deep learning plays a very vital role in resolving this issue of learning and analyzing big data. It also supports the nature of deep learning algorithms, which requires large amount of training data. A data classification is a supervised machine learning process it also involves in predicting the class of given data. It also can be target labels or categories. For ex: the image of a person will be given. It should able to recognise the person whether he/she is in "Stress" or "Not in Stress".Some common ML Algorithms includes Decision Trees, Linear Regression, KNN, Naive Bayes.



**PAPER ID:** C23CSE035  
**TITLE:** METAVERSE  
**AUTHORS:** M.BHARATH  
**EMAIL ID :** bharathmalarapu1307@gmail.com  
**INSTITUTE:** SIDDARTH INSTITUTE OF SCIENCE AND  
TECHNOLOGY

**ABSTRACT:** The Metaverse is the post-reality universe, a perpetual and persistent multiuser environment merging physical reality with digital virtuality. It is based on the convergence of technologies that enable multisensory interactions with virtual environments, digital objects and people such as virtual reality (VR) and augmented reality (AR). Hence, the Metaverse is an interconnected web of social, networked immersive environments in persistent multiuser platforms. It enables seamless embodied user communication in real-time and dynamic interactions with digital artifacts. Its first iteration was a web of virtual worlds where avatars were able to teleport among them. The contemporary iteration of the Metaverse features social, immersive VR platforms compatible with massive multiplayer online video games, open game worlds and AR collaborative spaces.

**PAPER ID:** C23CSE036  
**TITLE:** CYBER SECURITY AWARENESS  
**AUTHORS:** K.THARUN KUMAR,B.YASWANTH KUMAR  
**EMAIL ID :** kollutharunkumar04@gmail.com  
**INSTITUTE:** SRI VENKATESA PERUMAL COLLEGE OF  
ENGINEERING AND TECHNOLOGY

**ABSTRACT:** Cyber Security plays an important role in the field of information technology. Securing the information have become one of the biggest challenges in the present day. Whenever we think about the cyber security the first thing that comes to our mind is 'cybercrimes' which are increasing immensely day by day. Various Governments and companies are taking many measures in order to prevent these cybercrimes. Besides various measures cyber security is still a very big concern to many. This paper mainly focuses on challenges faced by cyber security on the latest technologies. It also focuses on latest about the cyber security techniques, ethics and the trends changing the face of cyber security.

**PAPER ID:** C23CSE037  
**TITLE:** CHATGPT- The Revolutionary AI  
**AUTHORS:** JENICE BORELLI  
**EMAIL ID:** drdevaprasadraju@gmail.com  
**INSTITUTE:** SPMVV

**ABSTRACT:** ChatGPT is an Artificial Intelligence chatbot developed by OpenAI and launched in November 2022. Its uneven factual accuracy, however, has been identified as a significant drawback. Despite the wide array of potential applications of LLMs in healthcare, education, research and practice, several valid concerns were raised. Though the first contact with the chatbot reveals its ability to provide detailed and precise answers in various areas, ChatGPT is said to be the Jack of all trades and master of none. There are several studies on ChatGPT evaluation, testing its effectiveness on well-known natural language processing (NLP) tasks. Some of them examined ChatGPT capabilities on diverse analytical NLP tasks, most of them subjective even to humans, such as sentiment analysis, emotion recognition, offensiveness and stance detection, natural language inference, word sense disambiguation, linguistic acceptability and question answering. they automated ChatGPT querying process and analyzed more than 38k responses. This review emphasizes on the usage and efficiency of ChatGPT and how its been a great milestone to the mankind as well as the emerging era of Artificial Intelligence.

**PAPER ID:** C23CSE038  
**TITLE:** CLOUD BASED ATTENDANCE SYSTEM  
**AUTHORS:** N.RUCHITHA, V.SAI HEMANGINI  
**EMAIL ID:** [hema5vinjarapu@gmail.com](mailto:hema5vinjarapu@gmail.com)  
**INSTITUTE:** SPMVV

**ABSTRACT:** An attendance system allows the addition of the attendance of the employee who is present on that day. The user has to log in and swipe their identity card to mark their attendance. As the card has been scanned, the details like id number, date, in-time, and out-time are saved in the database. The database will be stored in the Azure cloud, forming a connection between the application and the cloud server via the internet. With the in-time and out-time data stored in the cloud, the admin can calculate the working hours of the employees. This data is retrieved from the cloud database and can be accessed at any time by the employee and the admin. The admin of the system can add new employees by registering the new employee and filling up their registration details. This system allows the keeping of data records of the employee. As the project files and a database file will be stored in the Azure cloud, the project will be accessed in the web browser through the Azure link.

**PAPER ID:** C23CSE039  
**TITLE :** DIGITAL TWIN TECHNOLOGY  
**AUTHORS :** S.PRANATHI  
**EMAIL ID :** [prapra1412@gmail.com](mailto:prapra1412@gmail.com)  
**INSTITUTE:** SPMVV

**ABSTRACT:** Digital twin technology is a most sophisticated in today's world. Digital twin is a digital representation of a physical object, process, service or environment that behaves and looks like its counterpart in real world. The idea of digital twin technology was first voiced in 1991, with the publication of Mirror Worlds, by David Gelernter. The developers who create digital twins ensure that the virtual computer model can receive feedback from sensors that gather data from the real-world version. This lets the digital version mimic and simulate what is happening with the original version in real time, creating opportunities to gather insights into performance and any potential problems. A digital twin is, in essence, a computer program that uses real world data to create simulations that can predict how a product or process will perform. The digital twin is used reduce maintenance burdens and save many millions in associated costs. They can also reduce risk of accidents and unplanned downtime through failure. The digital twin is used in a wide variety of industries for a range of applications and purposes. Some of them are Automotive industry, Health care (medical sector), Disaster management and development of Smart cities. The paper provides an assessment of the emerging technology, its benefits and applications.

**PAPER ID:** C23CSE040  
**TITLE:** CYBERSECURITY  
**AUTHORS:** J.K.S. LIKITHA  
**EMAIL ID:** [likithajuvvula@gmail.com](mailto:likithajuvvula@gmail.com)  
**INSTITUTE:** SPMVV

**ABSTRACT:** Computer security is a vast topic that is becoming more important because the world is becoming highly interconnected, with networks being used to carry out critical transactions. Cyber crime continues to diverge down different paths with each New Year that passes and so does the security of the information. The latest and disruptive technologies, along with the new cyber tools and threats that come to light each day, are challenging organizations with not only how they secure the infrastructure, but how they require new platforms and intelligence to do so. There is no perfect solution for cybercrimes but we should try our level best to minimize them in order to have a safe and secure future in cyber space. IN a world where we're quick to give up our personal information, companies have to ensure they're just as quick in identifying threats, responding in real time and avoiding a breach of any kind. Since people are easily attracted by these social media the hackers use them as a bait to get the information and the data they require. Hence people must take appropriate measures especially in dealing with social media in order to prevent the loss of their information. Cybersecurity can be obtained only through systematic development. This paper introduces some known threats to cybersecurity, categorizes the threats, and analyzes protection mechanisms and techniques for countering the threats. Approaches to prevent, detect, and respond to cyberattacks are also discussed.

**PAPER ID:** C23CSE041

**TITLE:** **ChatGPT: Redefining the Way We Interact with Technology**

**AUTHORS:** Ch.Abhisai

**EMAIL ID:** [challaabhisai@gmail.com](mailto:challaabhisai@gmail.com)

**INSTITUTE:** **Geethanjali Institute of Science and Technology, Gangavaram, Kovur**

**ABSTRACT:** ChatGPT is an artificial intelligence language model developed by OpenAI, a well-known research institute in the field of artificial intelligence. It's built using advanced algorithms that enable it to understand and process natural language. It has the ability to understand and generate human-like responses to a wide range of queries, making it an incredibly powerful tool for a variety of applications. However, it's not just creative writing where ChatGPT excels. Its ability to process natural language makes it a valuable tool for Customer service, Chatbots, Creativity, Journalism, and other applications where human-like responses are needed. It's important to note that while ChatGPT has tremendous potential for commercial use, OpenAI has taken steps to ensure its responsible use. The research institute has made the decision to limit access to the model to prevent it from being used maliciously. Microsoft Integrating ChatGPT is a Great example of Commercial Use. In conclusion, ChatGPT is an exciting development in the field of natural language processing and artificial intelligence. Its potential for creative writing and commercial use is immense, and I can't wait to see how it continues to evolve in the future.

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6	Lalithaa Rayavarapu	Sree Venkateshwar College of engineering
7	P.padmaprapoorna	National Sanskrit University
8	Sangu meenakshi	Sri venkateshwara university
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89	M. Punya naga sri
90	c.pushpavathi
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127	N Yukthika	
128	kotha Gayathri	
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152	B.Asha	
153	A.Bhavana	
154	T.Bhavana	
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158	p.chengalamma	
159	K.Chinmayee	
160	K. Chinmayi	
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162	Yeluri Devi Chaithanya	
163	A. Gayathri	
164	Y.Geethanjali	
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168	Hemana Godugupalli	
169	B. Jenice	
170	K.jhansi	
171	K.Keerthana	

172	N.KRISHNA PRIYA
173	G.Kundana
174	G kusuma kumari
175	S.LAKSHMI BHAVITHA
176	k. Lasya
177	Bandisuri.Haseena Begam
178	K.Jeevitha
179	Vangimalla Divya
180	D Hima Bindu
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190	chatrasi Likhitha
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195	D Sadhana
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207	Nishanthi G
208	T Sailakshmi
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211	Dudekula shahara banu
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213	k.sireesha
214	K.Sirisha
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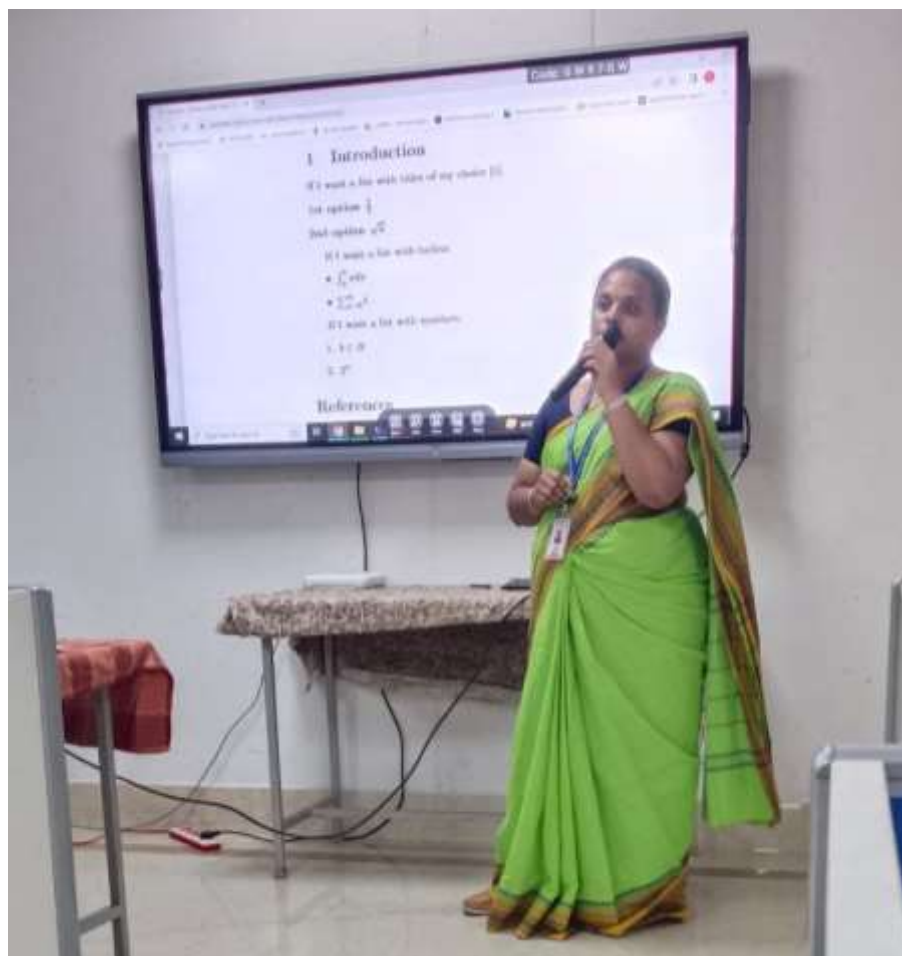


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230	kambham vijitha	
231	Beerakam yasaswini	
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233	B.Charvi Sri	
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250	S. Dhana Sri	
251	m.jayasree	
252	L.bhavanasri	
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282	T.Ashalatha
283	G.Jayasree
284	p. chaitanya
285	Y. Anitha
286	G. Ankamma
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288	T.Lakshmi Prasanna
289	A.Poojitha
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291	P. Nandini
292	D.Muktha Sree
293	V.Nagaveni
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301	M.Manasa
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304	K.Meghana
305	Komaramjeri Laya
306	marri nagalakshmi
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350	Ch. vennela hari sai	
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354	M.shahina	
355	Y. sireesha	
356	y.Rajeswari	
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362	v.keerthiAnuthna	
363	K R LIKITHA PRIYA	
364	Vishnu priya reddy naram reddy	
365	M.Sri Lakshmi	
366	P.harshini	
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369	I.Sai Akshaya	
370	J.Varshini	
371	k kusuma kumari	
372	B.Lakshmi Sai	
373	M.Jhansi	
374	k.kamala bai	

375	pokuru divya	
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384	Y.Snehankitha	
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20	J.Tejiatha Reddy	SPMVV
21	E.Thanmai	SPMVV
22	B.Charvi Sri	SPMVV
23	V.Tejaswini	SPMVV
24	K.Yasawini	SPMVV

25	S.Jeevanasri	SPMVV
26	L.Bhavani Sri	SPMVV
27	P.Lokeswari	SPMVV
28	M Haripriya	SPMVV
29	Shaik Asma	SPMVV
30	Dhivya Chillakuru	SPMVV





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**No. of Registrations: 296**

### Registration Details

S.NO	NAME	COLLEGE
1	Ganjayela peddanna	NATIONAL SANSKRIT UNIVERSITY
2	D.V.HARI MANASA	Narayana engineering college
3	R. HemaTeja	Chadalawada Ramanamma Engineering College
4	R. Govardhan	Chadalawada Ramanamma Engineering College
5	P. Divyasree	Chadalawada Ramanamma Engineering College
6	P. Sirisha	Chadalawada Ramanamma Engineering College
7	B.Karthik Reddy	Chadalawada Ramanamma Engineering College
8	BODI REDDY BHANU PRAKASH	Chadalawada Ramanamma Engineering College
9	KANNEMADUGU CHAITANYA GURU PRASAD	Chadalawada Ramanamma Engineering College
10	L SIVA KUMAR REDDY	Chadalawada Ramanamma Engineering College
11	B. Siva Kumar	National Sanskrit University
12	B. Kishor Kumar	National Sanskrit University
13	M. jagadeesh	National Sanskrit University
14	V.V.S Sai Yashaswini	National Sanskrit University
15	A. Bhargavi	National Sanskrit University
16	P. Sai	National Sanskrit University
17	A. Tejaswini	Venkateswara College of Engineering
18	Neeraja	I CSE, SPMVV
19	P.Navya sree	
20	T.Sri Durga Bhavani	
21	Md.Waseeha	
22	S.Sireesha	

23	Y.Vindhya	
24	Y.Sreehanachakra	
25	P.Yogalakshmi	
26	SeemaBhanu	
27	G.Sukanya	I ECE, SPMVV
28	S.Usha	
29	YEDAMA GAYATHRI	
30	MAKAM CHARUSEELA	
31	GUDURU JASMITHA VARMA	
32	kapuluru Bhuvaneswari	
33	VUSTALAMURI GOWTHAMI SARANYA	
34	BUDAMGUNTALA HARSHITA	
35	NARRA KALYANI DRONA RAGINI	
36	KEERTHANA.VIJJESWARAPU	
37	Hasmitha Marella	
38	Jilla Deepa	
39	Bolisetti Aswani	
40	K.GURU SHANMUKHA PRIYA	
41	V.GOWRI	
42	KONDURU JYOSHNA	
43	UPPADA ANISHKA	
44	CH.Harshavalli	
45	GUNTAMUKKALA HEMASAISREE	
46	MALLAM.ANISHA	
47	T.Charishma	
48	P.Beulah	
49	Kathula Jayanthi	
50	kurimella.Akhila	
51	TATA GAYATRI	II CSE, SPMVV
52	Gummidipudi Lalithya	
53	P.Latha sri	
54	GONDU LAXMI PRASANNA	
55	K.Leela priya	
56	R.Neha	
57	K.Renukalakshmi	
58	challa.Gayatri	
59	p. revathi	
60	K.Shareefa	
61	M.sharmila	
62	vakati sravani	
63	Kuna Sravya	
64	VARADA SRAVYA	
65	Golla Srilekha	
66	Vaishnavi.K	
67	s. v. lakshmi	
68	p.v.y.sindhu sri	
69	Vijayasri.Rana	
70	Y.Yamini	
71	K.harshini	
72	VENNAPUSA JAHNAVI	
73	Ch. Syamala	



74	M.Naga Anusha	
75	R.Mounika	
76	K.Meghana	
77	A Mounika	
78	Akshaya	II ECE, SPMVV
79	M.Poojitha	
80	R.Aamani	
81	K.Anitha	
82	K.Anjali	
83	K. Ansar	
84	B.Asha	
85	A.Bhavana	
86	T.Bhavana	
87	M. Bhavya Sree	
88	P.Chandana	
89	D. chandrika valli	
90	p.chengalamma	
91	K.Chinmayee	
92	Dakshayani Yadavalli	
93	Yeluri Devi Chaithanya	
94	A. Gayathri	
95	Govindappagari Gayathri	
96	Y.Geethanjali	
97	v.hema	
98	K.jhansi	
99	K.Keerthana	
100	N.KRISHNA PRIYA	
101	G.Kundana	III CSE, SPMVV
102	G kusuma kumari	
103	Tadipatri Harshitha	
104	Bandisuri.Haseena Begam	
105	K.Jeevitha	
106	S.Hema Sri Madhu Salini devi	
107	Lavanya Baiah	
108	Yaragasi Prasanthi	
109	Sahithya Vemula	
110	Rushitha Rangineni	
111	Nandini Sanchi	
112	K. Likitha	
113	Guntur Manasa	
114	Sathani Mounika	
115	G.priyanka	
116	M. Mounasree	
117	chatrasi Likhitha	
118	Battula Nagalaxmi Srija	
119	poojitha muddada	
120	Pujitha Samanthula	
121	B.Lokeswari	
122	D Sadhana	
123	RAJESWARI POTHALA	
124	Kothapeta Monika	

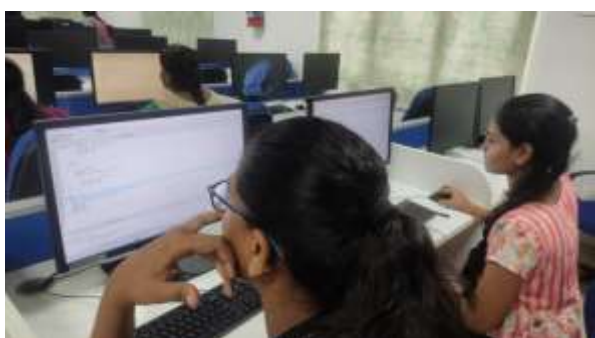
125	Karri Parimala	
126	A.R.Nirupama Bai	
127	V.Madhavilatha	
128	D.Sai Deepthi	
129	Boddu Pranavi	
130	Mounika Veluru	
131	Nishanthi G	
132	T Sailakshmi	
133	N. Mahitha sai	
134	Ragipati Shaima	
135	Shaik. Sana Sunayena	
136	M.Sharada	
137	k.sireesha	
138	K.Sirisha	
139	K.Sri Rohne	
140	K.Srivalli	
141	T.supraja	
142	A sushma	
143	Yenumula Suvarna	
144	M Swetha	
145	MD tasneem	
146	Jambula Tejitha Reddy	
147	Mekala.Usha Rani	
148	L.vasavi	
149	G.vedhagna reddy	
150	v.veekshitha	
151	o.veena	
152	G.Venkata Jahnavi	
153	Venkata Lakshmi Sai Thummaluru	
154	ch. venkata Vani	
155	B.Vennela Yogyasri	
156	kambham vijitha	
157	Beerakam yasaswini	
158	C. Bhavya sree	
159	K. Tejasmitha	
160	UPPUGUNDURI SOWMYA	
161	JAVVAJI SUMANJALI	
162	AYIJA SWETHA	
163	VUTUKURI TEJASWINI	
164	VEERAGANI VASAVI	
165	k.sanutha	
166	G Vasavi	
167	K.vishnu priya	
168	T.Jyothika	
169	S.Hema Satya Sree	
170	P.JHANSI	
171	Y. Akhila	
172	K. Dhathri	
173	S. Dhana Sri	
174	m.jayasree	
175	K. Bhavya Bhavani	

III ECE, SPMVV

176	P. Divya
177	C. Jayasree
178	T.KAVYA SRI
179	M.Indupriya
180	Manimangalam.S.Gnana Prasanna
181	K.Devi Sri Meenakshi
182	P.Gopika
183	Minchala. Bhavya
184	SURNAM CHANDANA
185	C.Haripriya
186	M.Divya Deepika
187	S.Jyothika
188	V.Abhinaya
189	C .Bhavana
190	C.Anvitha
191	T.Hinduja
192	R.Divya Sri
193	D.Ankitha
194	T.Divya lalitha
195	G. bhavya sri
196	k.Indumathi
197	D.Harshitha
198	M.Bhavani
199	V.Deepika
200	R.Akhila
201	J.Gayathree devi
202	Ch.Ankitha
203	T.Ashalatha
204	G.Jayasree
205	p. Chaitanya
206	Y. Anitha
207	G. Ankamma
208	S.Manjusha
209	T.Lakshmi Prasanna
210	A.Poojitha
211	N.Navya
212	P. Nandini
213	D.Muktha Sree
214	V.Nagaveni
215	P.Likhitha
216	T.Poojitha
217	V.madhavi
218	B.keerthana
219	N.keerthana
220	CH.kavya sri meghana
221	M.Navyasree
222	M.Manasa
223	Y. keerthana Reddy
224	MallepoguMadhuri
225	K.Meghana
226	Komaramjeri Laya

227	marri nagalakshmi
228	N.Mounika
229	K.Narmadha
230	K.Latha
231	Nissy Rayapu
232	D.JyothsnaPriyanka
233	M. jyothirmai
234	A.kalyani
235	B.Lakshmi Poojitha
236	P.Mahitha
237	P.Kavitha
238	M.Laharisree
239	k.Rajeswari
240	G.Manasa
241	Nagalakshmi Matta
242	B.Kusuma Kumari
243	A.Lokeswari
244	yamuna challa
245	B.Supriya
246	B.vijitha
247	M.subhashini
248	N.sravanthi
249	J.sravanthi
250	Chitterni Sushma
251	Mukka Supriya
252	y Tejaswani
253	M.Sri Vani
254	N.Sivapriya
255	M.Raji
256	S. Sujitha
257	k. rajitha
258	y.v.kalpana
259	T Sandhyasree
260	P.Tulasi
261	Y. Vijitha
262	V. Yoga Satwika
263	G.sathwica
264	D.Sri Harshitha
265	p.ruksana
266	ch.santhoshi rupadevi
267	S.Sri Nikitha
268	Sowmya Chepena
269	p.vidya
270	sk.ruksana
271	Ch. vennela hari sai
272	b. usha rani
273	T .Rekha
274	B.Ramalakshmi kumara
275	M.shahina
276	Y.Sireesha
277	N.kalyani

278	Y Rajeswari	III EEE, SPMVV
279	G.Manjula	
280	B.Divyasree	
281	B.sandhya	
282	v.keerthiAnuthna	
283	K R LIKITHA PRIYA	
284	Vishnu priya reddy naram reddy	
285	M.Sri Lakshmi	
286	P.harshini	
287	T.Sasi sai nagalakshmi tejaswini	
288	A.Pallavi	
289	I.Sai Akshaya	
290	J.Varshini	
291	k kusuma kumara	
292	B.Lakshmi Sai	
293	M.Jhansi	
294	k.kamala bai	
295	pokuru divya	
296	V.Pujitha	







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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



SCHOOL OF ENGINEERING AND TECHNOLOGY  
SRI PADMAVATI MAHILA VISVAVIDYALAYAM

WOMEN'S UNIVERSITY, TIRUPATI

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We cordially invite you to the *Valediction* of  
A National Level TechFest  
**CELESTRA'23**

**Guest of Honor**

**V. Ravindra Reddy**

Ambassador  
Insta Cuppa

**Chief Guest**

**Prof. P. Venkata Krishna**

Professor, Dept. of Computer Science  
BoS Chairman, Dept. of CSE, SOET  
SPMVV

**Patron**

**Prof. V. Saritha**  
HoD, CSE, SOET

**Chief Patron**

**Prof. P. Mallikarjuna**  
Director, SOET

**Faculty Co-Convenor**

**L. Jayasree**

**Faculty Convenor**

**Dr. N. Padmaja**

**Student Co-Convenor**

**V.Divya**

**Student Convenor**

**T. Lakshmi Lahari**

**Venue:** Dhriti Multipurpose Hall, KL Rao Block, SOET, SPMVV

**Time:** 4:30 PM

**Date:** 29th March 2023

We look forward for your presence  
**CSE Department**





### List of Winners in Various Events of Celestra'23

S.No	Event	Prize	Name of the Student	Name of the College
1	Science Canvas	1	Yasmin Shaik	SPMVV
2			N Niharika	
3		2	Kotha Kaveri	SPMVV
4			P Mounika	
5		3	G C Varshitha	SPMVV
6			C Pushpavathi	
7	Idea Expo	1	L Saravana	Panimalar Institute of Technology
8			Shrinivas S S	
9			Bhargav Venigalla	
10		2	P V Sai Deepika	Geethanjali Engineering College
11			K V Sai Alekhya	
12			Ch. Abhi Sai	
13	Tech Talks	1	B. Jennice	SPMVV
14		2	K.V. S. Alekya	Geethanjali Engineering College
15			P V Sai Deepika	
16		3	M. Bharath	Siddharth Institute of Science and Technology
17	Programmer's Paradise	1	D V Hari Manasa	Narayana Engineering College
18		2	Bolisetty Aswini	SOET, SPMVV
19		3	J Tejitha Reddy	SOET, SPMVV
20	Bug Blasters	1	Y. Yamini	SOET, SPMVV
21		2	S. Mounika	SOET, SPMVV
22		3	J Tejitha Reddy	SOET, SPMVV









by

**Varshitha (2171109), II CSE, SOET, SPMVV**