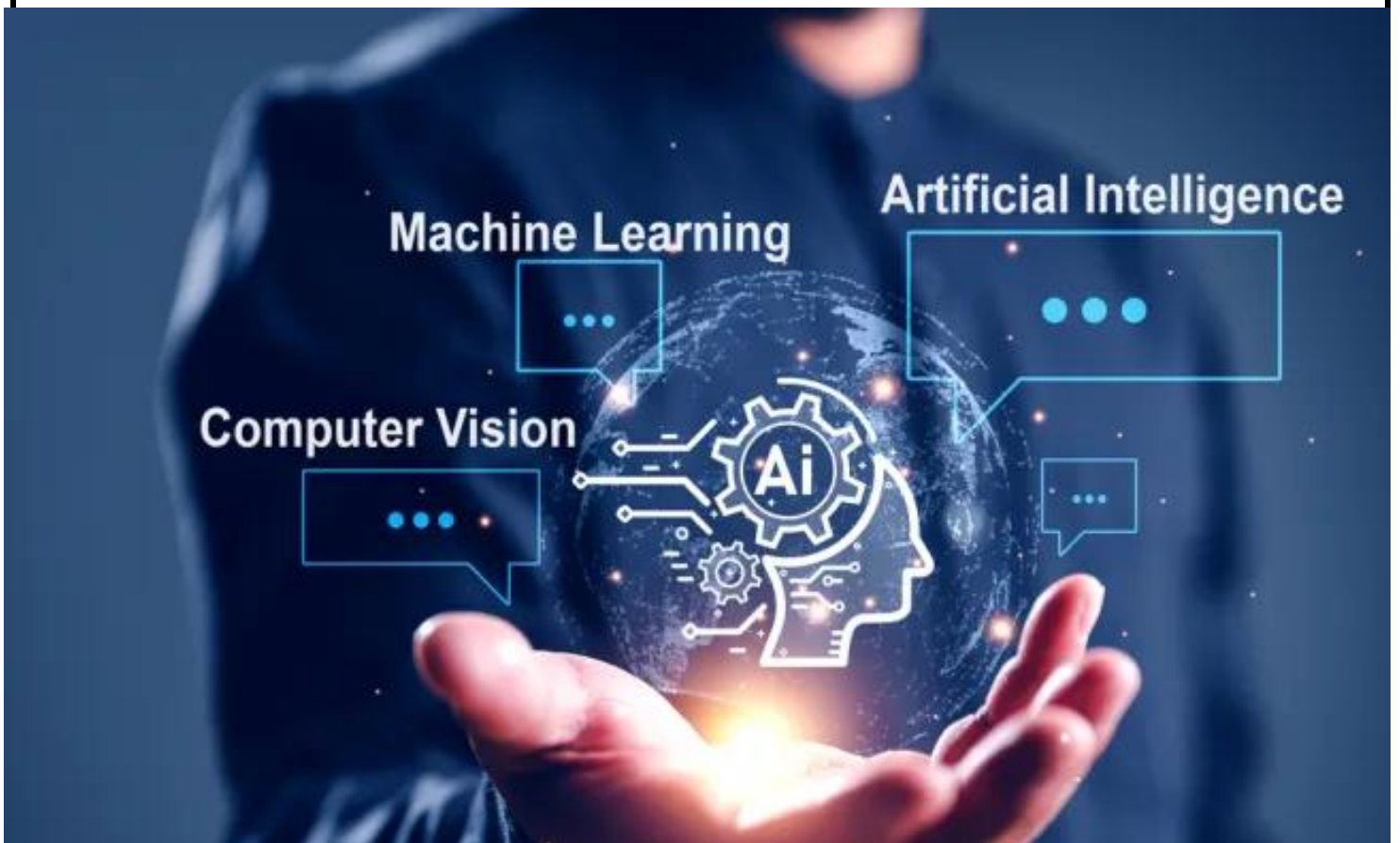


Government College Autonomous, Rajahmundry

Accredited by NAAC with A+ Grade (CGPA 3.38/4.00) in RAF-2017

Affiliated to Adikavi Nannaya University

DEEKSHARAMBH



DEPARTMENT OF COMPUTER SCIENCE



AUGUST 12th
TO
AUGUST 31st

CONTENT

- INTRODUCTION
- SCHEDULE
- EVENT DETAILS
- EVENT PHOTOGRAPHS
- WRITE UPS BY THE STUDENTS

INTRODUCTION

Department of Computer Science and Applications at Government College (Autonomous), Rajahmundry. Established in 1998, our department stands as a testament to the relentless pursuit of knowledge and the power of technological advancement in shaping the future.

At the heart of our mission lies the unwavering commitment to providing unparalleled IT infrastructure, fostering a world-class learning and research environment, and instilling moral and ethical values in our students. As one of the youngest departments in a college with a 170-year legacy, we take pride in our dynamic approach to education, constantly evolving to meet the demands of the ever-changing digital landscape.

With a dedicated team of 13 experienced faculty members and a thriving community of over 1400 ambitious students pursuing Bachelor's degrees, the Department of Computer Science and Applications is a beacon of academic excellence. Our students' eagerness to learn, coupled with the expertise of our industry-trained faculty, ensures the cultivation of top-notch professionals sought after by esteemed companies worldwide.

Dedicated to bridging the gap between academia and industry, we have forged strategic partnerships with leading organizations. Through these collaborations, we bring real-world insights into the classroom, preparing our students to thrive in the competitive global market.

Our state-of-the-art facilities, including four fully air-conditioned computer laboratories equipped with 190 systems and robust computing infrastructure, underscore our commitment to providing cutting-edge resources for learning and innovation. Moreover, as the custodians of software and hardware requirements for the entire college, we play a pivotal role in driving technological advancements across campus.

With a diverse range of programs, including one PG program, eight undergraduate courses, and three certificate courses, the Department of Computer Science and Applications offers a comprehensive educational experience tailored to meet the evolving needs of the digital age.

SCHEDULE:

S.No	Date	Time		
		10:00 to 11:00	11:00 to 12:00	12:00 to 1:00
1	12-08-2024	Certificate Verification	Certificate Verification	Basic Data collection
2	13-08-2024	Basic Data Collection (Department Faculty)	About Department (U. Sandhya rani)	College virtual tour
3	14-08-2024	Department webpage (U. Sandhya Rani)	Resources available on dept. page (U.Sandhya Rani)	BoS Marks division Program structure (Dr. D. Suneel Kumar)
4	15-08-2024	Independence day celebrations	Independence day celebrations	Independence day celebrations
5	16-08-2024	Introduction to bridge course (U. Sandhya Rani)	Introduction to bridge course (Dr. D.Suneel Kumar)	Library tour (Department Faculty)
6	17-08-2024	Human values and Professional Ethics	Online Computer Courses(Moocs, Badges) (Dr.D.Suneel Kumar)	Bridge Course-1 (S. Jaya Lakshmi)
7	19-08-2024	Start-ups and Entrepreneurship (IQAC)	CIIE Visit (Department Faculty)	Bridge Course-2 (CH.Sujatha)
8	20-08-2024	Inter Disciplinary Guest Lecture- Remote Sensing (Dr. M.R Goutham)	Support Services NCC, NSS, YRC, RRC visit (Department Faculty)	Bridge Course -3 (B.Balaparameswari)
9	21-08-2024	Campus tour seminar (Department Faculty)	Campus tour CIL, Antique lab, Studio, FDA etc. (Department Faculty)	Bridge Course-4 (P.NarasingaRao)
10	22-08-2024	Inter Disciplinary Guest Lecture- Data Science (Dr. N. Madhavi)	Indian Knowledge System	Bridge Course-5 (D.Seetha Ramulu)
11	23-08-2024	JKC, Placement cell seminar (JKC Coordinator)	JKC, placement cell visit (JKC Coordinator)	Bridge Course -6 (U.SandhyaRani)
12	24-08-2024	Sports and games facilities (Physical Education)	Sports tour (Physical Education)	Bridge Course -7 (H.Devaraju)
13	27-08-2024	Yoga training (Physical Education)	Yoga centre visit (Physical Education)	Bridge Course -8 (Dr.D Suneel Kumar)

14	28-07-2024	ICT and LMS Tools (Dr. D. Suneel Kumar)	ICT and LMS Tools (U.Sandhya Rani)	Gamification of Evaluation (Department Faculty)
15	29-08-2024	Closure remarks (Dr.D. Suneel Kumar)	Closure Remarks (Dr.D Suneel Kumar)	CAT Core Assessment Test (Department Faculty)

EVENT DETAILS

- **Inaugural Session by Dr. D. Suneel Kumar HOD, Government College (A), RJY.**

Orientation program was aimed to enhance students' familiarity with the faculties, seniors, college Campus, its facilities and a plethora of cultural activities of the college. With a fresh exposure of the induction program, the students were exposed to the environment of the college with zeal and enthusiasm. The induction program was decided to be delivered on I such a manner so as to make the students feel comfortable in new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self & society



Inaugural Session

➤ Introduction of Department by U. SANDHYA RANI

Computer Science department was established in the year 1998. The primary goal of our department is to provide best IT infrastructure, world class learning & research environment, adopt industry practices through industry collaborations inculcate moral and ethical values.

The students to learn make it easier for the industry-trained experienced faculty to produce top-notch professionals who are being recruited by reputed companies all over the world.

It is one of the youngest departments at Government College (Autonomous), Rajahmundry which has 160 years of history. Currently, it has 9 faculty members . The Department of Computer Science offering one PG program, 2 undergraduate courses and 3 certificate courses.

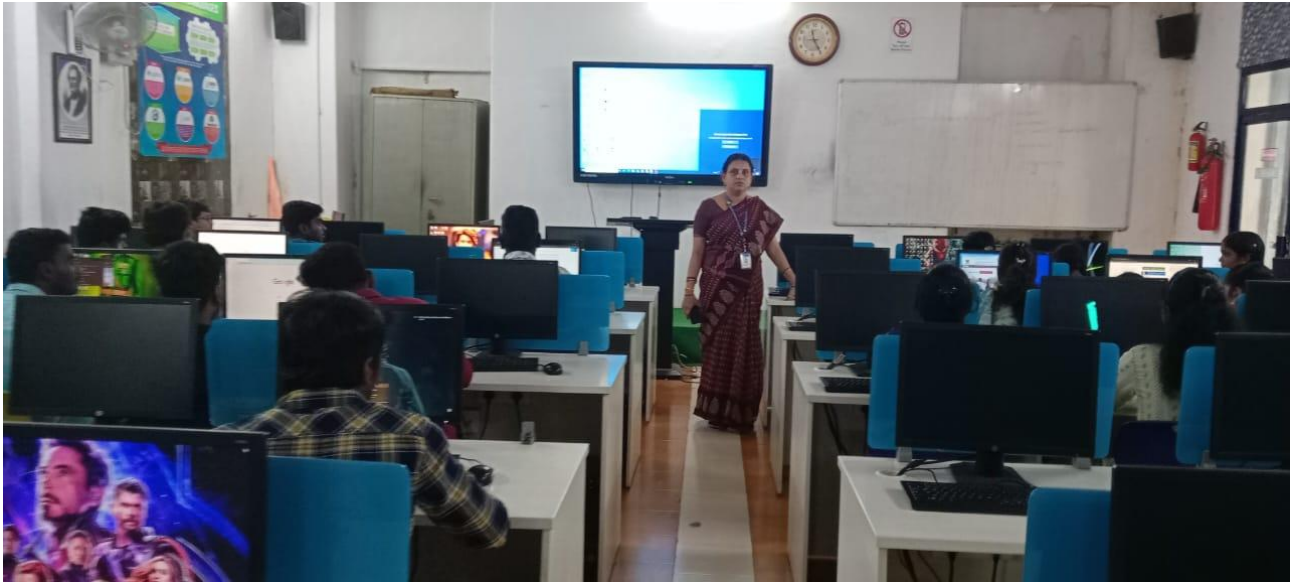
Department of Computer Science has MOUs with Electronics systems Pvt. Limited and Origin Technology. The Department comprises of 4 fully Air Conditioned Computer Laboratories with 190 systems, state of the art computing facilities with sufficient power supply backup. The Department of Computer Science and Applications takes care of Software & Hardware requirements of the entire college.



A Session on Department Introduction

➤ **DEPARTMENT WEB PAGE:**

Created awareness on College web site and Department web site to students.



➤ **BoS Marks division Program Structure in GCRJY by Dr. D Suneel Kumar, HoD, Computer Science, GCRJY.**

An honours degree is a Four-Year Undergraduate Programme (FYUP), inspired by the NEP 2020 pattern, and is intended to be of greater quality than a regular Bachelor's degree. The curriculum in these degrees necessitates a greater level of accomplishment while remaining at the undergraduate level.

The framework allows single majors, double majors, minors, multidisciplinary, ability, and skill enhancement courses to help students acquire interdisciplinary learning.

Moreover, the programme also promises a good blend of immersive education, research, and community engagement. In addition, opportunities for semester exchange programmes with foreign universities will expose students to global practices and make them global citizens.

An Honours degree based on the NEP 2020 framework allows to gain talents that might otherwise lose out on if you merely completed an undergraduate degree. The ability to critically analyze issues, devise solutions, and troubleshoot lends itself to professional and research jobs.

It presents information in a specific context to encourage the pursuit of study and professional activities.

Students understand the importance of Honors Program Structure System, Marks division.

They know what the subjects are in all the semesters and graduation policy .



A Session on Marks Division Program

➤ **A Session on Examination and Evaluation-Policy CIA by H. Devaraju.**

The examination is conducted for evaluating the student's knowledge. The Examination Pattern is Combination of Internal and External. Internal 50 marks CIA, Online Internal, Pedagogical techniques. External 50 marks. Students understand the Exam Pattern. This Session gives brief knowledge to students, how the exams are conducted and evaluation process in GCRJY.



A Session on Examination and Evaluation Program

➤ **Introduction to Bridge Course by U Sandhya Rani:**

The induction program was decided to be delivered on such a manner so as to make the students feel comfortable in new environment, open them up, set a healthy daily routine, and create bonding in the batch as well as between faculty and students.



➤ **Human Values and Professional Ethics by D. Seetaramulu.**

- Ethical values and norms are essential concepts that influence Students actions, decisions, and interactions with others;
- It is imperative to explore how educational institutions may incorporate ethics into their systems to create an excellent character and run efficiently without compromising academic quality.
- The education system is critical in moulding India's future generations, and pedagogies can develop a society that is academically strong and morally upright by incorporating ethical ideals and conventions into the curriculum.
- So the importance of ethical standards and norms in educational system and their advantages and disadvantages in the ever-changing industry.
- Moral values help in determining the character of a student as being good or bad.
- Moral values are a good campaign for peace and harmony as when everyone behaves well then there is no cause for violence or calamity.



A Session on Human Values and ethics

➤ **Start-ups and Entrepreneurship:**

- Entrepreneurship education has been characterized as an important driver of sustainable socio-economic development. It plays an important role for performing productive activities efficiently and effectively by utilizing commitments, initiatives and innovative efforts.
- The college Starts and succeed in Jute bags and Artificial Jewellery Making start-ups.



A Session on Start-ups and Entrepreneurship

➤ **Indian Knowledge System by P. Narasingarao.**

The Indian Knowledge Systems comprise of Jnan, Vignan, and Jeevan Darshan that have evolved out of experience, observation, experimentation, and rigorous analysis. This tradition of validating and putting into practice has impacted our education.

Indian Knowledge Systems (IKS) is an innovative cell under Ministry of Education (MoE) at AICTE, New Delhi. It is established to promote interdisciplinary research on all aspects of IKS, preserve and disseminate IKS for further research and societal applications. It will actively engage for spreading the rich heritage of our country and traditional knowledge in the field of Science & Technology.



A Session on IKS

➤ **ICT and LMS Tools by Dr. D. Suneel Kumar.**

ICT enhances accessibility, promotes personalized learning, and prepares students for a technology-driven world; all of this fosters crucial skills like collaboration and critical thinking.

ICT connects students globally and makes room for collaborative learning experiences that promote cultural understanding.

It supports continuous professional development, offer educators opportunities for online courses, webinars, and collaborative platforms to stay updated with pedagogical trends.

Now a day's ICT tools are essential for students to improve their knowledge in IT Sector.

➤ **A Session on Power of Positive Thinking by Ch.Sujatha.**

Positivity releases serotonin and dopamine also known as the happiness and feel-good hormones, into your brain. At the same time, it reduces the stress hormone, into your brain, which in turn leads to improved memory, learning, creative thinking, and problem solving.

Positive thinking can increase your motivation and drive to achieve your goals. When you focus on the good, you are more likely to be proactive and persistent. Improves mental health: Positive thinking has been linked to improved mental health and reduced stress levels

A Positive mindset helps students feel more peaceful and happier, making it simpler to focus on tasks and learn new things. Positive thinking is the best way to internally support yourself to pursue your dreams.

Positive Thinking Benefits for Students:

- Stronger problem-solving and decision-making skills
- Lower stress levels
- Better coping skills
- Easier time adapting to life changes
- Improved moods (parents of challenging teens, rejoice!)
- Fewer incidents of anxiety and depression
- Increased creativity

Resilience helps teenagers deal more positively with failures, mistakes, and setbacks, and is a critical life skill that benefits our mental health, preventing anxiety and other stress-related issues. This Session gives Positive Energy to Students.



A Session on Positive Thinking

➤ **ACTIVITY – JAM Session ON AI BY B. Bala Parameswari.**

A JAM Session on Artificial intelligence was organized. AI is characterized by machines that possess specific aspects of human intelligence, and encompass capabilities such as perception, learning, reasoning, problem-solving, language interaction, and even creative output .The Event was planned in such a manner that students could get a good exposure to the AI in our Daily Life. Almost every student was encouraged to participate in the JAM Session.



JAM Session on AI

➤ **A Session on Games:**

Computer science department faculty conducted an event to show the hidden talents from students. Every student has a special talent this is a good opportunity to show his/her talents in this session. A small encouragement and motivation gives big success. Some of the students are participated and visualize various talents like singing, Poetry, Painting etc. These talents are important for college cultural events and competitions. This Event is essential for students to build Confidence and overcome Stage fear.



A Session on Games

Bridge Course-Syllabus

Module I:

Milestone of computer evolution-First Generation, Second Generation, Third Generation, Fourth Generation, Fifth Generation.

Module II:

Input Devices –keyboard, Mouse, Scanner, Joystick, Light Pen, Micro Phone etc.

Output Devices-Soft Copy Devices, Hard Copy Devices.

Module III:

Computer Memory:

Main Memory –Random Access Memory, Read Only Memory.

Secondary Memory-Fixed Storage, Removable Storage.

Module IV:

Number system-Binary, Octal, decimal, and Hexadecimal.

Number System Conversions-Decimal to Binary, octal, Hexadecimal, Octal to decimal, Binary, Hexadecimal, Binary to Decimal, Octal, and Hexadecimal Conversions.

MCQS

1. Who is the father of Computers?

- a) James Gosling
- b) Charles Babbage
- c) Dennis Ritchie
- d) Bjarne Stroustrup

Answer: b

2. Which of the following is the correct definition of Computer?

- a) Computer is a machine or device that can be programmed to perform arithmetical or logic operation sequences automatically
- b) Computer understands only binary language which is written in the form of 0s & 1s
- c) Computer is a programmable electronic device that stores, retrieves, and processes the data
- d) All of the mentioned

Answer: d

3. What is the full form of CPU?

- a) Computer Processing Unit
- b) Computer Principle Unit
- c) Central Processing Unit
- d) Control Processing Unit

Answer: c

4. Which of the following is the brain of the computer?

- a) Central Processing Unit
- b) Memory
- c) Arithmetic and Logic unit
- d) Control unit

Answer: a

5. Which of the following is the smallest unit of data in a computer?

- a) Bit
- b) KB
- c) Nibble
- d) Byte

Answer: a

6. Which of the following are physical devices of a computer?

- a) Hardware
- b) Software
- c) System Software
- d) Package

Answer: a

7. Which of the following is not a type of number system?

- a) Positional
- b) Non-Positional

- c) Octal
- d) Fractional

Answer: d

8. The 2's complement of 5 is _____

- a) 1011
- b) 0101
- c) 1010
- d) 0011

Answer: a

9. Convert the binary equivalent 10101 to its decimal equivalent.

- a) 21
- b) 12
- c) 22
- d) 31

Answer: a

10. Which of the following is the correct representation of a binary number?

- a) $(124)_2$
- b) 1110
- c) $(110)^2$
- d) $(000)_2$

Answer: d

11. Which of the following is capable of recognizing a pre-specified type of mark by pencil or pen?

- a) OMR
- b) Winchester
- c) Bar code reader
- d) Image Scanner

Answer: a

12. The 'heart' of the processor which performs many different operations _____

- a) Arithmetic and logic unit
- b) Motherboard
- c) Control Unit
- d) Memory

Answer: a

13. The primary memory (also called main memory) of a personal computer consists of

- (a) RAM only
- (b) ROM only
- (c) both RAM and ROM
- (d) Cache memory

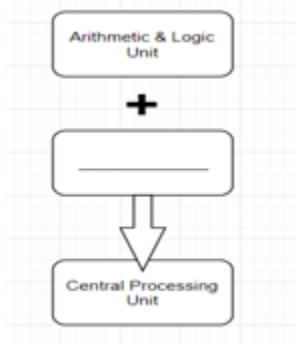
Answer: (c)

14. Which of the following is not a characteristic of a computer?

- a) Versatility
- b) Accuracy
- c) Diligence
- d) I.Q.

Answer: d

15. Fill in the blank in the diagram.



- a) Input Unit
- b) Memory Unit
- c) Control Unit
- d) I/O Unit

Answer: c

16. What is the full form of RAM?

- (a) Read Access Memory
- (b) Random Access Memory
- (c) Readable Access Memory
- (d) Random Accumulator Memory

Answer: (b)

17. Which of the following memory is non-volatile?

- (a) RAM
- (b) ROM
- (c) Cache
- (d) ROM and Cache

Answer: (b),

18. The generation based on VLSI microprocessor.

- a) 1st
- b) 2nd
- c) 3rd
- d) 4th

Answer: d

19. The period of _____ generation was 1952-1964.

- a) 1st
- b) 2nd
- c) 5th
- d) 4th

Answer: b

20. Which of the following language does the computer understand?

- a) Computer understands only C Language
- b) Computer understands only Assembly Language
- c) Computer understands only Binary Language
- d) Computer understands only BASIC

Answer: c

Government College (Autonomous) , Rajahmundry
 Department of Computer Science
 I B.Sc-Computer Science Honors
 CAT Exam

S.NO	HALLTICKET NO	STUDENT NAME	Marks 20M
1	2407226879	VANAPARTHI USHAHARSHINI	16
2	2409211288	KINTHADA SATISH	15
3	2401225107	SIRIPURAM UMA MAHESWARI	18
4	2409217854	DOGGA RAKESH	17
5	2409213177	MUKKOTI SRIYA	19
6	2409211750	SHAIK KARISHMA	18
7	2409222257	TANGETI DURGA SAI VENKATA PUNEETH	17
8	2308132868	BUTTALA NEERAJA SRI	18
9	2303210197	MATTA JAYASREE	19
10	2408214671	BILLA KRISHNA VAMSI	17
11	2303214417	MUPPANA KULADEEPAK	19
12	2409220173	VULLI MADHU VENKATA MANOHAR BABU	18
13	2409220183	KANNABATHULA RAHUL	17
14	2409221573	KONTHAM DURGA SAI KUMARI	20
15	2409218961	NAREDLA POSAMMA	19
16	2409217543	VAKADA MAHESH BABU	18
17	2405215104	PALIVELA BHUVANESWARI	17
18	2409220181	KOTA INDIRA DEVI	18
19	2408210597	CHAPPIDI SANJANA	18
20	2409211258	BOMMANA SHYAM	19
21	2410220953	REVI YAMUNA	19
22	2409510137	GANGULA SUVARNA	18
23	2405214769	KADALA VARA LAKSHMI	18
24	2409219254	YALLA PAVAN ADITHYA	17
25	2408511874	GUBBALA MALLESWARI	17
26	2408217578	SEELAM SUBBARAO	18
27	2409219988	KOTHAPALLI VEERA LAXMI	19
28	2409219882	GUDUPU SRISATYA	19
29	2409213147	YEGI VANITHA	20
30	2409510168	CHADALAWADA MAHESH	18
31	2408220478	RYALI UMA LAKSHMI	19
32	2303248078	CHAVALAM NANDA KISHOR DORA	18
33	2409220887	PASALAPUDI SUJANA	18
34	2409216453	GARAPATI KALYANI	19
35	2407213433	INAKOTI SUSHMA	18
36	2409223406	MEESALA RAMBABU	19
37	2409216719	JATLA VARSHINI	18
38	2405215728	PUNEM SANDEEP	18
39	2411212489	KALANGULA HARINADH VARA PRASAD VARMA	19
40	2409214804	SOMU SRI BALA VEERA VINAYAKA VEERENDRA	19
41	2409210935	NAKKA KUMAR	18

42	2409212874	KOTHAPALLI ANIL KUMAR	19
43	2409220261	ADAPA VEERA VENKATA MURALI KRISHNA	16
44	2408218662	YADLAPALLI PRAVALLIKA	14
45	2409222469	PAIDA SHAHARIKA	15
46	2406213385	KOTRA LALITHA SRI HARSHAVARDHINI	16
47	2405215845	JIGATAPU DHANA	15
48	2409213201	SATHAPATI JAGADEESHWARI	18
49	2409220142	DOKUBURRA VYUHITHA MAHANI	14
50	2409218949	VANKA PRADEEP	17
51	230832855	KANCHUMARTHI MANIDURGA	18
52	2408214007	PAMU HEMALATHA	16
53	2409222086	BOCHHA JHANSI	15
54	2409218645	KOLLATI VENUKA	17
55	2409218362	BEJAWADA DURGA NIRANJAN	16
56	2409510159	RAMANAM NAVYASRI	17
57	2204512109	KUNA BHAVANI SANKAR	18
58	2409211927	GOMPA MANO VEERA ARJUN	18
59	2451207303	GARA ROHIT	18
60	2403214255	MAMIDI SRINUVASA REDDY	19
61	2409221595	CHIKKALA NAGA DURGA	18
62	2408218096	PALIVELA LOKESH	17
63	2103211823	KIMUDU SUHAS	17
64	2417220282	RAMACHANDRAPU BABU	19
65	2409511323	PANTHULA NAGENDRA	18

LIST OF STUDENTS

Computer Science

25

GOVERNMENT COLLEGE AUTONOMOUS, RAJAHMUNDRY
Department Of Computer Science
Attendance

Date: 24/08/24

S.No	Student Name	Signature
1	M. Priya	M. Priya
2	KOTRALALITHA SRI HARSHAVARDHINI	K.L.S. Harsha Vardhini
3	ESHAIK. KARIASHMA	ESK. Kariashma
4	Bhubhala Malleswari	B. Malleswari
5	G. Sri satya	G. Sri satya
6	V. usha Hatshini	V. usha Hatshini
7	J. varshini	J. varshini
8	P. Sujana	P. Sujana
9	B. Durga Niranjan	B.D. Niranjan
10	B. Shyam	B. Shyam
11	G. Rohit	G. Rohit
12	A.V.V. Murali Krishna	A.V.V. Murali Krishna
13	D. Rakesh	D. Rakesh
14	V. Pradeep	V. Pradeep
15	P. Bhuvaneshwari	P. Bhuvaneshwari
16	y. Pavan Adithya	y. Pavan Adithya
17	V. Mahesh babu	V. Mahesh Babu
18	Ch. Mahesh.	Ch. Mahesh.
19	G. Mano veera Arjun	G.M.V. Arjun
20	K. Anil Kumar	K. Anil Kumar
21	K. Satish	K. Satish
22	S.S.B.V.V. veerendra	S. Veerendra
23	B. Neeraja sri	B. Neeraja
24	G. Suvarna	G. Suvarna

Artificial Intelligence

AI

GOVERNMENT COLLEGE AUTONOMOUS, RAJAHMUNDRY
Department Of Computer Science
Attendance

S.No	Student Name	Signature	Date:
1.	N. Devayani	N. Devayani	
2.	P. Deepthi Sri	P. Deepthi Sri	
3.	D. Mamatha	D. Mamatha	
4.	Sk. Rizwana Parveen	Sk. Rizwana Parveen	
5.	K. Suhag	K. Suhag	
6.	K. Harsha Venkata Raghavendra	K. H. V. Raghavendra	
7.	GONGADA GOWTHAM KUMAR	G. G. Kumar	
8.	V. V. S. M. Pavanateja	V. V. S. M. Pavanateja	
9.	V. Saran Manikanta	V. S. Manikanta	
10.	B. Kanan Kumar	B. Kanan Kumar	
11.	A. Naga Narasimha	A. Naga Narasimha	
12.	D. Praveen Kumar	D. Praveen Kumar	
13.	S. Akbar Aliya	S. Akbar Aliya	
14.	G. Durga Prasad	G. Durga Prasad	
15.	G. Yakobu	G. Yakobu	
16.	S. Sai Ramesh	S. Sai Ramesh	
17.	J. V. S. Sai Ram	J. Sai Ram	
18.	T. B. Mallekubari	T. B. Mallekubari	
19.	K. Veera durga teja sri	K. Veera durga teja sri	
20.	K. Saiya dhara lakshmi	K. Saiya dhara lakshmi	
21.	M. Eevi	M. Eevi	
22.	CH. Dhuraka	CH. Dhuraka	