GAYATRI VIDYA PARISHAD
COLLEGE FOR DEGREE AND PG COURSES(A)
Rushikonda,Visakhapatnam-530045

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING
and
GVPCDPGC(A)
ACM STUDENT CHAPTER

presents

AAVISHKAR
SEASON-2
2023

SOUVENIR

ABOUT GVPCDPGC(A)

The Gayatri Vidya Parishad College for Degree and P.G. Courses since establishment has been progressing tremendously and today it is one of the premier institutions in the state of Andhra Pradesh contributing significantly to the human resource base that the economy needs and is run with self-generated funds.

The College was accredited by NAAC with B++ Grade and was conferred the Autonomous Status by Andhra University after due approval by the UGC in April 2007 and in the second cycle in June 2014. NAAC accreditation and the autonomous status have increased the responsibility of the institution enhancing of the quality of teaching-learning, research, consultancy, skill development, and community development and for holistic development of the student.

The goals & objectives of this illustrious institution in pursuit of excellence are to:

- **Provide a strong foundation to students for developing sound theoretical and practical knowledge in their chosen areas of knowledge and specialization.**
- **Nurture research in thrust areas of knowledge relevant to national and global concerns.**
- **Build strong interface with the industry for the skill development and the promotion of ready employability of the students.**
- **Create an ambience for excellence and in pursuit of this objective an ethic of sharing and a spirit of collaboration.**
- **Focus on instilling in the student a sense of discipline and concern for society and prepare him for participation in national productivity enhancement.**

GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND P G COURSES(A)

AFFILIATED TO ANDHRA UNIVERSITY | REACCREDITED BY NAAC | ISO 9001:2015

(PG-MBA and UG Engineering B.Tech(CE,CSE,ECE AND ME) programmes are Accredited by NBA)

Rushikonda,Visakhapatnam-530045,PH:0891-2953719,WEBSITE:www.gvpcdpgc.edu.in

ENGINEERING AND TECHNOLOGY PROGRAM

GVPCDPGC(A)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

proudly presents

in association with aecc Study abroad consultants

FEB 15th-17th 2023

AAVISHKAR 2023

SEASON 2

Events Events Events

WORKSHOPS

- FULL STACK WEB DEVELOPMENT
- INTERNET of THINGS

TECHNICAL EVENTS

- HACKATHON
- CODING CONTEST
- PAPER PRESENTATION
- POSTER PRESENTATION

NON-TECHNICAL EVENTS

- Quiz-CROSSWORDS
- TREASURE HUNT
- DUMBCHARADES

Register & Pay ₹400/-*

*incl. working lunch and refreshments

SCAN ME

FACULTY COORDINATORS:

Mr.G.Kalyan

Mr.I.Mahesh Kumar

Mr.M.Anil

FOR MORE INFORMATION:

Sahu Srikanth : 9063968230

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A.Venkata Lakshmi: 7075431103

R.Udbhav: 9581370124

ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering was started in the year 2011 in Engineering and Technology Program, Gayatri Vidya Parishad College for Degree & PG Courses (A). The Department offers B. Tech, Computer Science and Engineering program with a maximum intake of 240 Seats (CSE 180 Seats and CSE AI & ML – 60 Seats). M. Tech program was started in 2020-21 AY with an intake of 18 Seats. Computer Science and Engineering is the branch of Engineering in which the students trained in the science of practical and theoretical foundations of Information Technology and Computation. The students are exposed to sophisticated computer laboratories and latest trends in Computer Science and Engineering.

VISION

The vision of the department is "Create and sustain as a Centre of excellence in Computer Science and Engineering and allied areas of research to pave the way for providing better technocrats to the society".

MISSION

The mission of the department is "To provide strong conceptual base (M1) for acquiring programming skills, to develop high computational innovative skills (M2) and to empower leadership qualities with strong ethical base (M3)".

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Principal Message

I congratulate the students and Staff of the Department of Computer Science and Engineering for successfully organizing AAVISHKAR- 2023. It was impeccably organized bringing out the hidden potentiality of the students. The levels of enthusiasm and energy demonstrated are truly contagious. Each of the events conducted presented an excellent opportunity for the participants to learn. It provided a platform for the participants to explore and comprehend emerging frontiers in both technical and interpersonal domains. This event brought out the organizing skills of the students and helped them understand the nuances of managing an event of this magnitude.

My heartfelt appreciation to each one involved in making this Fest a grand success.

Prof.S.Rajani

Principal

Director Message

I am very happy to know that the Department of CSE is publishing Souvenir of AAVISHKAR – 2023. My Heartiest Congratulations to the Students and Staff of the Department of CSE for the Successful organization of Three-Day Technical Fest from 15th February 2023 to 17th February 2023. I wish the staff and students of Department of CSE to organize many more such events in the Department.

Dr. B V Ramana Murty

Director – E & T Program

Head of the Department Message

Congratulations to the students, faculty and Non-Teaching Staff of the Department of Computer Science and Engineering for the successful conduction of AAVISHKAR-2023. It was perfectly structured, drawing out the hidden potential of the students. The enthusiasm and energy displayed by students is truly appreciable. Each event held provided a great learning opportunity for the participants from various colleges in and around Andhra Pradesh. Participants were provided with a platform to explore their skills and understand new edges in both technical and interpersonal fields. The event elevated student organizational skills and helped them in organizing such kind of events even with more enthusiasm and knowledge. I would like to express my sincere gratitude to all those who have made this Tech Fest a great success.

Prof.N.V.Ramana Murty

HOD – CSE

Message from Faculty Coordinators

Sri. G. Kalyan Chakravarthi
Aavishkar Coordinator

Dr. Ssvr Kumar A
SPOC- ACM Student Chapter

Sri. I. Mahesh Kumar Swamy
Aavishkar Coordinator

Welcome to our AAVISHAR 2023, Season-2! We're thrilled to have you joined us for this celebration of innovation, creativity, and technology. This year's event is all about pushing the boundaries of what's possible. We have lined up a diverse range of events and activities that challenged our students skills, imagination, and inspired them to think outside the box. From Hackathon, coding challenges, workshops to guest lectures by industry experts, we have it all.

But more than just a showcase of technical prowess, our Technical Fest is also an opportunity to connect with like-minded individuals, make new friends, and build lasting relationships. It's a chance to share your knowledge, learn from others, and be part of a vibrant community of tech enthusiasts.

Thank you for being part of this amazing journey. We hope every participant had enjoyed the event and leave feeling inspired, informed, and energized. Remember to keep pushing the boundaries of what's possible, and never stop learning.

Best wishes,

Message from Student Coordinators

It gives us immense pleasure to write about the successful conclusion of AAVISHKAR SEASON 2, our three-day tech fest. This event was a great success and we cannot thank our organizing team, class, juniors, participants, and sponsors enough for making it happen.

AAVISHKAR SEASON 2 was a platform for young minds to showcase their technical powers and creativity. The event was a culmination of months of hard work and planning by our team. The festival comprised various technical and non-technical events, such as coding competitions, quizzes, hackathon, and many more.

The success of AAVISHKAR SEASON 2 was only possible because of the unwavering support of our faculty and department. Their belief in our vision and their commitment to providing the necessary resources enabled us to create a memorable experience for our participants.

We would like to extend our heartfelt thanks to everyone who made AAVISHKAR SEASON 2 a grand success. We could not have done it without your support, encouragement, and participation. I hope that the memories of this event will stay with us for a long time to come.

Thank you once again.

INAUGURATION

It is our honor to report to you on the successful completion of our technical fest “AAVISHKAR SEASON-2” by Department of Computer Science and Engineering. The event spanned over three days, during which we witnessed an incredible display of talent, creativity, and technical expertise. The theme of the event was "Technology for Social Good", which aimed to encourage students to create innovative solutions that can address real-world problems and make a positive impact on society.

The Inauguration of our Technical fest “AAVISHKAR SEASON-2”! Held on Feb-15 marks the beginning of a week-long celebration of innovation, creativity and technology.

Inaugural Function of AAVISHKAR-2023, SEASON -2

One of the highlights of the event was honored to have Mr. T Anil Kumar Garu, an eminent personality from the technology industry, as our chief guest for the inauguration ceremony. He is the CEO of APIS, Govt. of AP, and has contributed significantly to the advancement of technology.

Mr. T Anil Kumar Garu, CEO of APIS, Govt. of AP, Addressing the August Gathering

We are delighted to have him here to share his thoughts and experiences with us. We are also honored to have Guest of Honor, Dr. Bijay Kumar Sahu Garu, Sr. Regional Manager, NRDC, Govt. of India. His insights and experiences inspired the students and motivated them to pursue their dreams relentlessly.

Dr. Bijay Kumar Sahu Garu, Sr. Regional Manager, NRDC, Govt. of India, Addressing the gathering

Gathering for the Inaugural Function

In this event we exchanged a memorandum of understanding between APIS, Govt. of AP and Gayatri vidya Parishad Collage for Degree and PG Courses(A) for internships, workshops and placement opportunities of GVP students.

Exchange of Memorandum of Understanding
Between
GVPCDPGC(A) and APIS, Govt. of India

The “AAVISHKAR SEASON-2” is a platform that provides opportunities for students to showcase their technical skills and compete against each other. This year, we have received an overwhelming response from students across the collages. We have received entries from various engineering college students to participate in various Technical and Non-Technical events.

The technical fest featured various competitions like Bright-A-Thon (Hackathon), Coding Contest, Paper presentation, Poster presentation and workshops that challenged students to push their limits and explore new avenues of learning. We received an overwhelming response from students across various collages, and we were delighted to see the enthusiasm and dedication with which they participated in the event.

Felicitation to the Chief Guest - Mr. T Anil Kumar Garu

Felicitation to the Guest of Honor - Dr. Bijay Kumar Sahu Garu

Hack-a-thon (Bright-A-thon-2.0):

The hackathon is conducted by Department of Computer Science Engineering of Gayatri Vidya Parishad College for Degree and PG Courses(A) on 14th Feb 2023 is an exciting event that brought together around 30 teams of students from various departments to collaborate on software and IoT-based projects. The hackathon lasted for 9 hours, providing ample time for teams to work on their projects and explore new ideas and technologies.

The teams were given a broad range of topics to choose from, all related to software and IoT, such as smart homes, wearable devices, and environmental monitoring systems. The participants were encouraged to think creatively and come up with innovative solutions to the problems posed by the topics.

Dr. N V Ramana Murty, Professor and HOD-CSE addressing the participants of Hackathon

Throughout the day, mentors were on hand to provide guidance and support to the teams, helping them to overcome any technical challenges they encountered. At the end of the day, the teams presented their projects to a panel of judges, who evaluated them based on various criteria, such as functionality, innovation, and feasibility.

The hackathon proved to be a great learning experience for all involved, as participants got the opportunity to work with cutting-edge technologies and collaborate with peers from other departments. It also helped to foster a sense of camaraderie and teamwork among the participants.

Faculty Coordinators guiding the students about the Hack-a-thon

Prof. B.V. Ramana Murty, Director-E&T Program, Dr. N.V. Ramana Murty- Professor & HOD-CSE, Prof. S.Rambabu, Professor-Dept. of Basic Sciences, Dr. SSVR Kumar Addagarla, Felicitating the Hack-a-thon Judge Dr. T M N Vamsi, Associate Professor, Dept. of CSE, GITAM Deemed to be University.

A Glimpse of the Hack-a-thon

Overall, the hackathon conducted by Department of Computer Science and Engineering of Gayatri Vidya Parishad College for Degree and PG Courses(A) provided an excellent platform for students to explore their interests in software and IoT, and showcased the potential of these technologies in solving real-world problems.

Two-Day Hands-on Workshop on Full Stack Web Development:

On account of AAVISHKAR-2023 SEASON-2 held on 15th and 16th February 2023, a Full Stack Web Development Workshop was held at Gayatri Vidya Parishad College for Degree and P.G. Courses (A). The workshop aimed to equip participants with the skills and knowledge required to become proficient full-stack developers and to give them hands-on experience building a full-stack web application in collaboration with I&T Labs.

The workshop was organized by a local ed-tech company, I&T Labs in collaboration with the CSE Department. The company has been organizing similar workshops in different communities to promote tech education and awareness.

The workshop was attended by over 70 participants, including students from various departments like Civil Engineering, Electronics and Communication Engineering, Mechanical Engineering, Bachelors in Computer Application, Bachelors In Vocational Courses, And Masters In Science.

Hands-on Workshop session on Full Stack Web Development

The workshop started with introducing participants to the basics of front-end development, which includes HTML, CSS, and JavaScript. They learn how to create responsive and interactive user interfaces using popular front-end frameworks. The facilitators gave an overview of the topics that would be covered during the day, including HTML, CSS, JavaScript, and Node.js.

The participants were then divided into groups and given a tutorial on how to set up their development environment. The facilitators then guided the groups through the process of building a simple full-stack web application from scratch. Participants learned how to create a web page using HTML and CSS, add interactivity to their web page using JavaScript, and use Node.js to build the server-side of the web application.

Speaker delivering the class

Students showing their enthusiasm in listening to the lecture

Key points about the workshop:

- Participants learned the basics of full stack development, including HTML, CSS, JavaScript, and Node.js.
- The workshop provided hands-on experience in building a full-stack web application from scratch.
- Participants gained an understanding of how web applications work and the skills needed to build them.
- The facilitators emphasized the importance of continuous learning and improvement in the field of full stack development.

Conclusion:

The full stack web development workshop was a resounding success. Participants gained valuable skills and knowledge.

The department of Computer Science Engineering will continue to hold similar workshops in future to give opportunities to a greater number of students.

Two-Day Hands-on Workshop on Internet of Things:

On account of AAVISHKAR-2023 SEASON-2 held on 15th and 16th February 2023, a 2 day IOT Workshop was held at Gayatri Vidya Parishad College for Degree and P.G. Courses(A) by Department of Computer Science Engineering in collaboration with I&T Labs.

The workshop was conducted by a expert in the field of IoT, and it aimed to provide participants with a hands-on experience of IoT technology.

The workshop was divided into several sessions, and each session covered a different aspect of IoT technology. The first session focused on the basics of IoT, including the definition of IoT, its applications, and its potential benefits. The second session covered the hardware components of an IoT system, such as sensors, actuators, and microcontrollers. The third session focused on the software components of an IoT system, such as the operating system, programming languages, and protocols.

The fourth session was the most crucial part of the workshop, where participants were provided with a hands-on experience of building an IoT system. The participants were divided into teams, and each team was given a kit that contained all the necessary hardware and software components to build an IoT system. The teams were then tasked with building an IoT system using the kit and programming it to perform a specific task.

The final session of the workshop was a group discussion, where participants shared their experiences and insights about the workshop. The experts also provided feedback and suggestions to the participants to help them improve their IoT skills.

The IoT workshop was significant for several reasons. Firstly, it provided participants with a hands-on experience of IoT technology, which is essential for understanding its capabilities and limitations. Secondly, the workshop allowed participants to work in teams, which helped them develop their teamwork and communication skills. Thirdly, the workshop provided participants with the opportunity to interact with experts in the field of IoT, which helped them gain valuable insights into the technology.

The IoT workshop was a valuable experience for all the participants, and it helped them develop their IoT skills and knowledge. The hands-on experience of building an IoT system was the highlight of the workshop, and it provided participants with a practical understanding of IoT technology. The workshop was a success, and it highlighted the importance of IoT technology in today's world.

Coding Contest:

The coding contest was organized by the Department of computer science engineering of Gayatri Vidya Parishad College for Degree and PG Courses and it was open to all students from different departments and different colleges. A total of 60 students participated in this event. The contest aimed to test the participants' programming skills and problem-solving abilities.

The contest comprised multiple rounds, including a written test and a coding round. In the written test, participants were asked to solve multiple-choice questions related to programming concepts and syntax. The coding round required participants to solve programming problems using languages such as C, C++, Java, or Python.

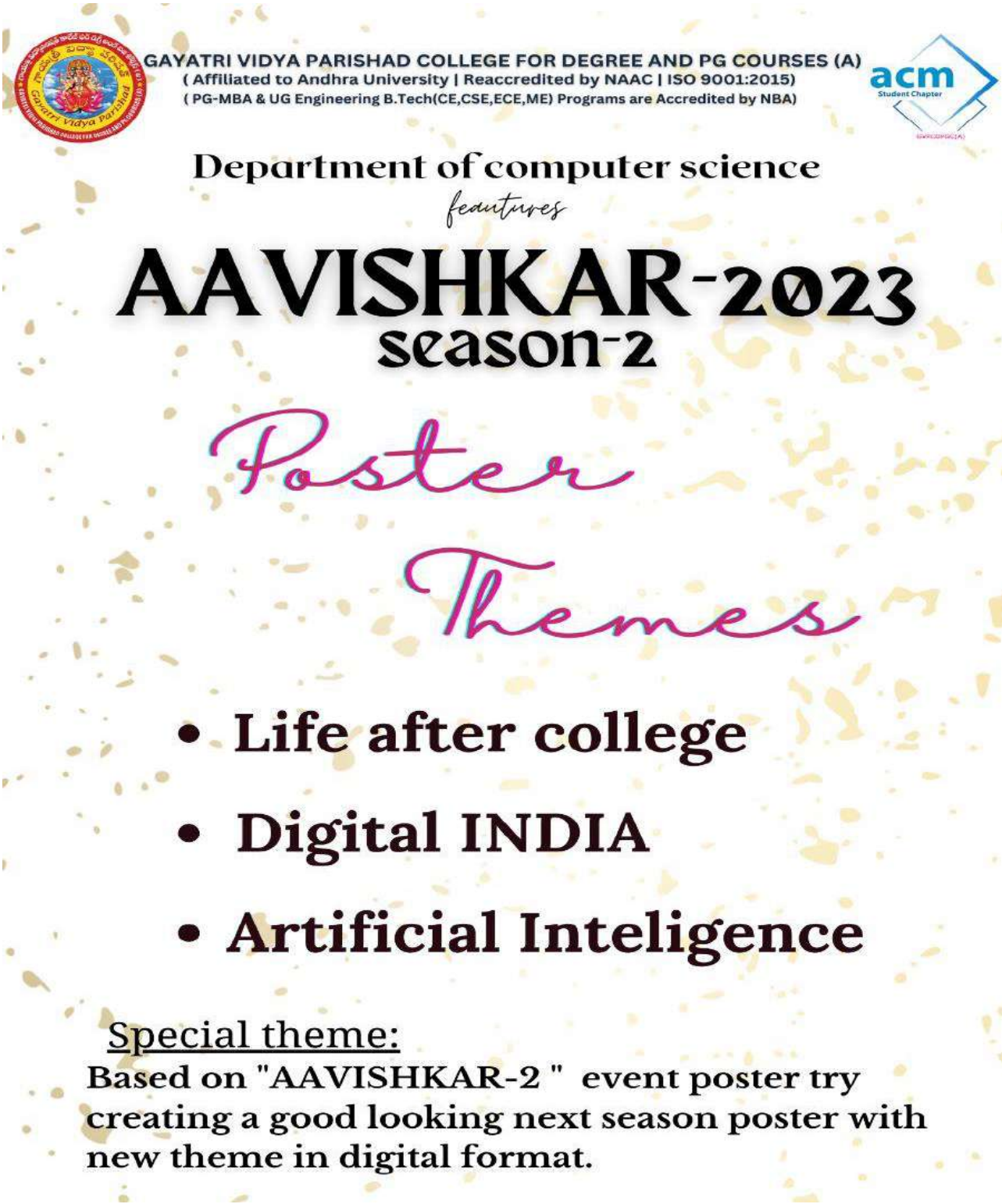
Students cracking the Codes

The contest was mainly designed to test the problem-solving skills, Programming knowledge of the participants. It was an exciting contest for the students to participate and they were so enthusiastic to participate in such more events. This contest has lit their spirit of coding and motivated them to participate in further more events outside the college level.

The judges evaluated the participants based on their accuracy, efficiency, and creativity in solving the given problems. The winners of the contest were awarded prizes and certificates of merit.

Overall, the coding contest was a great opportunity for students to showcase their coding skills and compete with their peers. It also provided a platform for students from different departments to interact and learn from each other's coding techniques.

Poster Presentation:

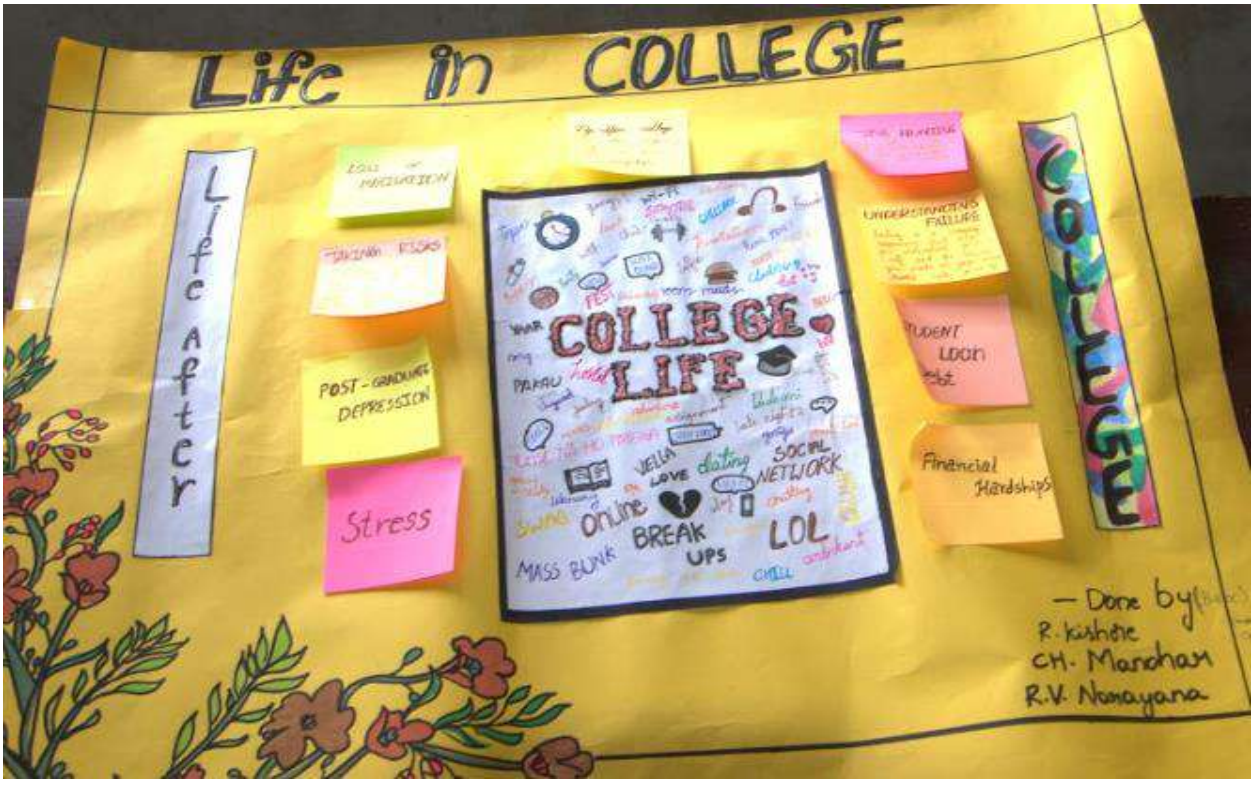


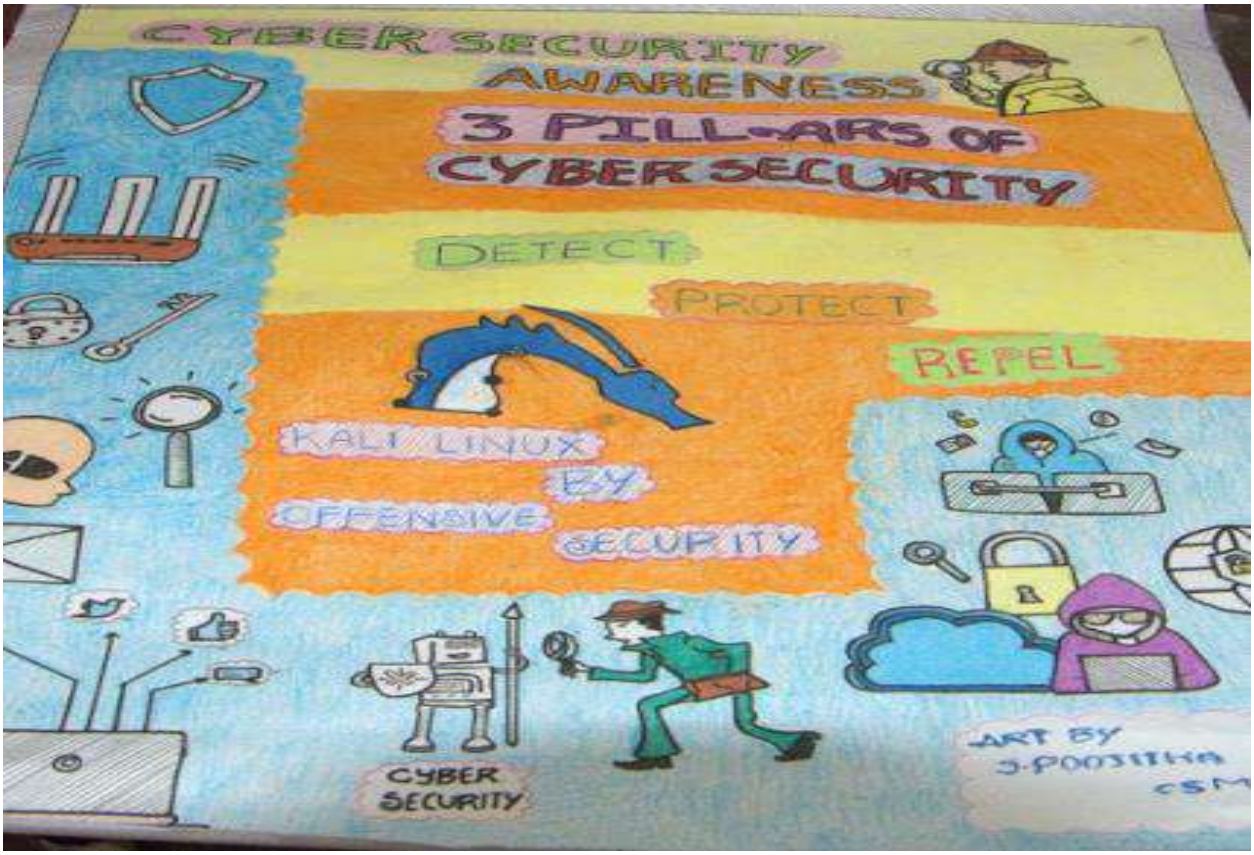
On 15th Feburary 2023,Poster Presentation Competition was held at Gayatri Vidya Parishad College for Undergraduate,Degree and Postgraduate students.Around 30 students have participated in the poster presentation competition.It was an exciting event that brought together students and faculty members from various departments to showcase their research and academic projects.

The main objective of the poster presentation was to provide a platform for students and faculty members to present their research, ideas, and findings in a visually appealing and interactive format. The event aimed to foster a culture of inquiry, innovation, and critical thinking among the college community and promote a collaborative approach to learning and knowledge sharing.

The poster presentation included a diverse range of topics and themes, including Life after College,Digital India,Artificial Intelligence. The posters were arranged in a designated area of the college, and the participants were given the opportunity to showcase their work to a wide audience, including their peers, faculty members, and visitors.

Life after College: The Life after College posters focused on the challenges and opportunities that students face after graduation. The posters highlighted the importance of career planning, networking, and professional development in achieving success in the job market. Some of the posters discussed the benefits of internships, volunteering, and entrepreneurship, while others explored the impact of globalization and technological advancements on career prospects.

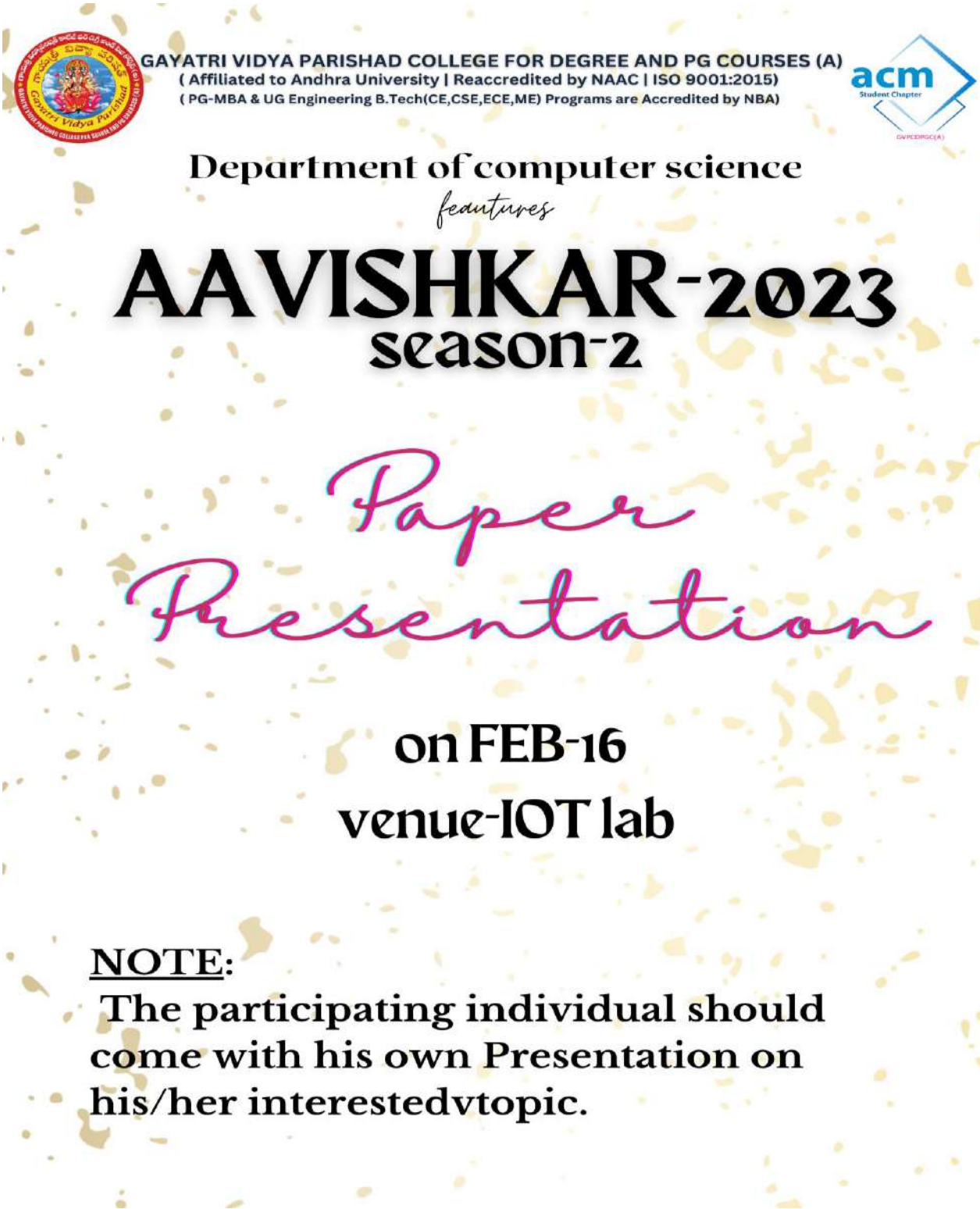

Life in COLLEGE
Life after
COLLEGE
COLLEGE LIFE
POST-GRADUATE DEPRESSION
Stress
Financial Hardships
SOCIAL NETWORK
online
BREAK UPS
LOL
MASS BUNK
— Done by
R. kishore
CH. Manohar
R.V. Narayana


CYBER SECURITY AWARENESS
3 PILL-ARS OF CYBER SECURITY
DETECT
PROTECT
REPEL
KALI LINUX BY OFFENSIVE SECURITY
CYBER SECURITY
ART BY

Some of the Posters presented in the Competition

Overall, the poster presentation event was a great success and provided a platform for students and faculty members to showcase their research and ideas on various topics. The event highlighted the importance of interdisciplinary learning and collaboration in addressing complex challenges and opportunities in the 21st century. The posters on Life after College, Digital India, and Artificial Intelligence provided valuable insights and perspectives on the key issues and trends shaping our society and economy.

Paper Presentation:



On 15th February 2023, Paper Presentation Competition was held in Department of Computer Science and Engineering, Gayatri Vidya Parishad College for Undergraduate, Degree and Postgraduate students. Around 30 teams have actively participated in the paper presentation. It was an exciting event that brought together students and faculty members from various departments to showcase their research and academic projects.

Overall, the paper presentation event was a great success and provided a platform for students and faculty members to showcase their research and ideas on various topics. The event highlighted the importance of interdisciplinary learning and collaboration in addressing complex challenges and opportunities in the 21st century.

Students enthusiastic in presenting their idea

Quiz Contest:

On Account of "AAVISHKAR-2023 SEASON-2" held on February 15th, 2023 organized a quiz competition, at Gayatri Vidya Parishad College For Degree College and P.G Courses(A).Event for degree and Engineering courses. The event was held in the college's auditorium, which provided a spacious and comfortable venue for the participants to showcase their knowledge and skills.

The competition saw the participation of 40 teams comprising nearly 120 students from various disciplines. The atmosphere was charged with a sense of friendly competition as students came together to showcase their intelligence and quick-thinking abilities. The quiz covered a range of topics such as Cyber Security, Current Affairs, Crossword and Technology, making the competition challenging and exciting.

The event was organized with great care, and the participants were provided with all the necessary facilities to ensure their comfort and convenience. The competition was conducted in a highly professional manner, and the rules and regulations were explained clearly to all the participants.

The quiz competition was a huge success and provided an excellent opportunity for the students to enhance their knowledge and build confidence in their abilities. The participants showed remarkable intelligence, critical thinking skills and teamwork, making the event highly entertaining for everyone involved.

Sports:

On Account of "Aavishkar 2023 SEASON-2" various Sports competitions held from February 7th to 10th 2023 at Gayatri Vidya Parishad College For Degree College and P.G Courses(A).

Glimpse of Sports conducted during AAVISHKAR-2023

The event was a great success, not just in terms of the level of competition but also in terms of the positive energy it brought to the campus. The students were able to bond over their love for sports, and the faculty members showed their support for the students' interests. Overall, Aavishkar 2023 was a great event that will be remembered by all who participated in it. And Aavishkar 2023 was a memorable event, and we look forward to many more such events in the future.

VALEDICTORY:

The technical competitions, ranging from coding challenges to presentations, showcased the technical prowess and creativity of the students. The quality of entries was exceptional, and the judges had a tough time selecting the winners.

We would like to take this opportunity to congratulate all the winners and participants for their outstanding performance. The hard work and dedication of the participants and student volunteers and coordinators had made this technical fest a grand success.

We would also like to extend our gratitude to the faculty members who have supported us in organizing this event. Their guidance and support had been invaluable in making this event a success.

In conclusion, we would like to express our sincere thanks to all the students who have participated in the technical fest and made it a grand success. Their enthusiasm, creativity, and technical expertise have truly been inspiring. We hope that this event has encouraged students to continue exploring new avenues of learning and making a positive impact on society through technology.

Thank you all for your participation and support. We look forward to seeing you all again next year.

A Glimpse of Valedictory Function

ORGANIZING COMMITTEE

Designing Committee:

M Abdul Aziz K Kaushik Varma V Prem Suraj

Invitation Committee:

G Pallavi Chowdary A Venkata Lakshmi T Vinay Akash

Hospitality Committee:

N Sai Pavan T Bhavani Prasad
K Sasi Vinay D Avinash Sai

Registration Committee:

A Venkata Lakshmi Sahu Srikanth
M Mohan Praveen R L Udbhav P Prasad Varma

Stage Committee:

N Francis T Prabhu Teja Om Kukreja
J Praveen Kumar D Srija L Vidya Sri

Workshop Committee:

N Deepika Sahu Srikanth
E Harika B Priyanka

Coding Committee:

R L Udbhav A Venkata Lakshmi
J Praveen Kumar T Prabhu Teja

Paper Presentation Committee:

K Amrutha Kumari M Bhavana

Quiz Committee:

Dinesh Mylapalli N Bharat Chandu
P Srinivasa Vinay B Harshith
K Gowtham Varma D Eekshitha
K Varshini V Rishita

Treasure Hunt:

M Mohan Praveen P Srinivasa Vinay
V Bhargav G Harsha Vardhini
K Amrutha Kumari

Dumbcharades Committee:

N Sai Pavan M Yatish Nayan
V Kushmanjan Kumar S Maharshi
M Revathi D Srija

Sports Committee:

P Prasad Varma T Jagadeesh
Y Karthik A Bala Krishna
D Pavan Kumar B Priyanka

Culturals Committee:

M Yatish Nayan V Rishita
G S Yugandhar M Nishitha
R Mythili

Poster Presentation:

Abida Sakina P Harika R Mythili

Discipline Committee:

All third year Students

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AAVISHKAR

2023

SEASON 2