AJAY KUMAR GARG ENGINEERING COLLEGE, GHAZIABAD

Department of Information Technology

Computer Society of India

Computer Society of India (CSI) has AKGEC Student Chapter since last 9 years and conducted various activities on regular basis. CSI annually enrolls approximately 15 students from different disciplines in their second year. Additionally, they organize a range of events such as technology workshops, coding contests, project advancements, and encourage CSI students to participate in various intercollegiate, state-level, and national-level competitions. During SIH 2022, six students took part in two teams and secured the 1st prize. At the IIT Jodhpur Hackathon, three teams participated, and one of them emerged as the winner. Additionally, at UPES Dehradun, one team achieved the 2nd runner-up position, while at Dr. BR Ambedkar University, another team secured the 1st runner-up position. CSI strongly values multidisciplinary knowledge and strives to foster expertise across various domains.

Team-CSI consistently organizes three events on a regular basis. Team-CSI organized a total of five events at the college level this year, alongside participating in multiple national-level competitions. Remarkably, they achieved winning positions in all the events they took part in.

Attachments:

1. CSI Composition (CSI faculty members) **(last five years)**
   a. Institutional Membership Certificate of session 2022-23
   b. List of Student members **(current year)**
2. CSI activities **(last two years)**
   a. Brief report of each event
3. CSI-students' achievements **(last two years)**
   a. Brief report of students' achievements

Faculty Coordinators:

Dr. Avdhesh Gupta   Mr. Lucknesh Kumar
Professor   Asstt. Professor
IT Department   IT Department

Submitted for your kind information.

Dr. Anu Chaudhary

HOD-IT

1. CSI Composition:

Ajay Kumar Garg Engineering College has Institutional membership Computer Society of India (CSI) from last five years.

S. No	Membership Duration	Institutional membership number	Faculty Coordinators
1	1st Sep 2022 to 30th Aug 2023	I00639	Dr. Anu Chaudhary, Professor Dr. Avdhesh Gupta, Professor Mr. Lucknesh Kumar, Asstt Prof.
2	1st Sep 2021 to 30th Aug 2022	1064210003	Dr. Anu Chaudhary, Professor Mr. Pradeep Kumar, Asstt Prof. Mr. Lucknesh Kumar, Asstt. Prof.
3	1st Sep 2020 to 30th Aug 2021	I00639	Mr. Lucknesh Kumar, Asstt Prof. Mr. Pradeep Kumar, Asstt Prof. Mr. Ruchin Gupta, Asstt Prof.
4	1st Sep 2019 to 30th Aug 2020	I00639	Dr. Anu Chaudhary, Professor Mr. Lucknesh Kumar, Asstt Prof. Mr. Ruchin Gupta, Asstt Prof.
5	1st Sep 2018 to 30th Aug 2019	I00639	Dr. Anu Chaudhary, Professor Mr. Lucknesh Kumar, Asstt Prof. Mr. Ruchin Gupta, Asstt Prof.

Presently 92 students took CSI membership (session 2022-23) for CSI Student chapter at AKGEC, Ghaziabad. The list is enclosed here.

Enclosure:

1. Current CSI Institutional membership   Encl1
2. List of 92 CSI student members.   Encl2

2. CSI Activities (last two years)

S. No	Session	Name of Activity	Description of event	Date of events	Report
1	2022-23	CINE'22	CSI recruitment drive	19 Sep 2022 to 10 Dec 2022	Encl3
2		Vista	Workshop of latest technology	17 Sep 2022	Encl4
3		Codeshell 3.0	Competitive coding contest	24 Nov 2022	Encl5
4		Code-a-thon	Innovative Project development contest	22 April 2023	Encl6
5		Brainstorm	Innovative ideas and Blind coding	29 April 2023	Encl7
6	2021-22	CINE'21	CSI recruitment drive	17 Dec 2021 to 30 Jan 2022	Encl8
7		Codeshell 2.0	Competitive coding contest	1 Dec 2021	Encl9
8		Render	Programming contest	5 Nov 2021	Encl10

3. CSI Students Achievements (last two years):

No	ssion	ent	ttes	atus	port
	22-23	ckathon at MANIT Bhopal	4 Feb 2023	eams were qualified and ranked in top 10	cl11
	22-23	ckathon 7.0 at UPES Dehradun	-19 Feb 2023	ree teams were participated and one team won 2nd runner-up prize, other two teams are in top 10.	cl12
	22-23	eathon at Dr. BR Ambedkar University	Feb 2023	e team participated and won the 1st runner up position.	cl13
	22-23	eathon at Deen Dayal Upadhyay College, Delhi	Feb 2023	e team participated and won the 1st position.	cl13
	22-23	ckoverflow at IIT Jodhour (Prometeo'23)	-22 Jan 2023	o teams were participated and one team won 1st prize and other is at 5th position	cl14
	21-22	H'22	-26 Aug 2022	o teams were participated and both teams won the 1st prize. First team has 5 CSI members and second team has one CSI member.	cl15

Report on "CINE-2022"
(A RECRUITMENT DRIVE)

The event "CINE 2022" of CSI student branch was successfully conducted. Team CSIorganized **CINE'22** to welcome second-year students to the Computer Society of India. Afterthe technical and PI rounds, 35 students were selected as Team CSI 2nd year trainees for probation. These students were assigned a variety of projects, both individually and ingroups, to assess their performance. The probation period culminated on November 21, and 18 students who had performed excellently were selected.

The domains included were:
- Technical
- Management
- Web Designing

S.No.	Name	Branch	Student No.
1.	Aanirudh Mehra	CSIT	2111092
2.	Aarke Tripathi	CSE(AIML)	21153087
3.	Abhay Pratap	CSE	2110004
4.	Akshat Mishra	ECE	2131059
5.	Anant Tyagi	CSE	2110008
6.	Ankit Singh	CSE	2110082
7.	Anshika Puri	CSIT	2111091
8.	Anubha Sharma	CSE(DS)	2115460
9.	Deeksha Gupta	CSE	2110214
10.	Divyanshu Rana	CSE(AIML)	21153090
11.	Kanan Agrawal	CSE(AIML)	21153107
12.	Kanishka Soni	CS	2112018
13.	Parv Mittal	CSE(AIML)	21153111
14.	Pushkar Khare	CSE	2110166
15.	Raghav Awasthi	CSE	2110159
16.	Saumya Srivastava	IT	2113061
17.	Shipra Tripathi	IT	2113129
18.	Siddhant Gurung	IT	2113095

Report on "VISTA"

Team CSI organized an online workshop named **VISTA** for the 1st / 2nd year students who were struggling to strategize their roadmap for their career. The session aimed to guide the students over the latest domains and technologies they might be interested in. This program was conducted on 17th September 2022.

The objective of the session was to assist engineering students in identifying the latest domains and technologies relevant to their field of study and provide guidance in strategizing their roadmap for the second year.

Domain	Presenter
Web Development	Manish Kumar Rai
Data Structure and Algorithms	Yash Vardhan
App Development	Hemant Upadhyay
Machine Learning	Ayush Kumar Bhartiya
Designing	Sukriti Maurya

Report on "CODESHELL 3.0"

It was a competitive coding event, in which coding questions were asked from participants and they had to think of their solutions and imply it through whatever coding language they knew. Event was conducted on Hackerrank platform. It was mainly focused to encourage participants towards programming and increase their problem-solving skills.

Students from second, third and fourth year were eligible to participate in the contest. We received a huge number of registrations. Due to the overwhelming response from the participants, the contest took place in two shifts.

Top performers from every year were awarded with a total cash prize of Rs.6000.

The Winners were (year-wise):

Name	Year	Position
Siddharth Agarwal	II	1
Alan Ansari	II	2
Tushar Chauhan	II	3
Satendra Singh	III	1
Saumya Chaudhary	III	2
Bhavya Agarwal	III	3
Naman Srivastava	IV	1

Report on CODE-a-THON

Team CSI-AKGEC successfully organized a hackathon named CODE-A-THON on April 22nd, 2023, specifically designed for 1st and 2nd-year students. The event was aimed at fostering innovation among the participants, who were required to present innovative ideas and create prototypes or minimum viable products.

ROUND 1(10th April – 17th April 2023)

The CODE-A-THON hackathon organized by Team CSI-AKGEC attracted 18 participating teams. The first round of the competition required the teams to submit their presentations to the organizers. The presentations were then evaluated based on their feasibility, innovation, and potential impact, and the shortlisted teams were advanced to the next round of the competition.

ROUND 2(18th April – 21st April 2023):

The second round of the CODE-A-THON hackathon involved an internal evaluation process to assess the presentations and prototypes submitted by the participating teams. Based on the criteria of innovation, feasibility, and potential impact, 10 teams were selected to move on to the next stage of the competition. These teams demonstrated exceptional potential, and their ideas were evaluated thoroughly by the organizers.

ROUND 3(22nd April 2023):

The next round of the CODE-A-THON hackathon required the 10 selected teams to refine their prototypes and prepare a more detailed presentation on Saturday 22nd April 2023. A panel of judges, consisting of Dr. Avdhesh Gupta, Professor, IT Department and Mr. Madhup Agrawal, Assistant Professor, IT Department evaluated each team's performance based on various criteria, including the project's quality, the strength of the business plan, the project's unique features, and the overall presentation. These winning teams will receive cash prizes as awards for their outstanding performance in the competition.

Winning Teams:

Team Name	Members	Year	Position
Tech Bellators	Atishay Jain	II	First
	Arjun Jain	II	
Sudhaar	Kartik Malik	II	Second
	Lekha Nigam	II	
Bits and Bytes	Paras Upadhyay	I	Third
	Yash Bansal	I	
	Dhruval Gupta	I	
	Lakshya Goel	I	

Report on BRAINSTORM

BrainStorm, organized by Team CSI, is a unique event consisting of two parallel events for 1st and 2nd year students. Participants can register for either the Ideathon, where they present innovative ideas with potential for large-scale societal impact to a panel of judges without implementation, or Blind Coding, where participants code without being able to see their monitors, and their code is judged based on its precision.
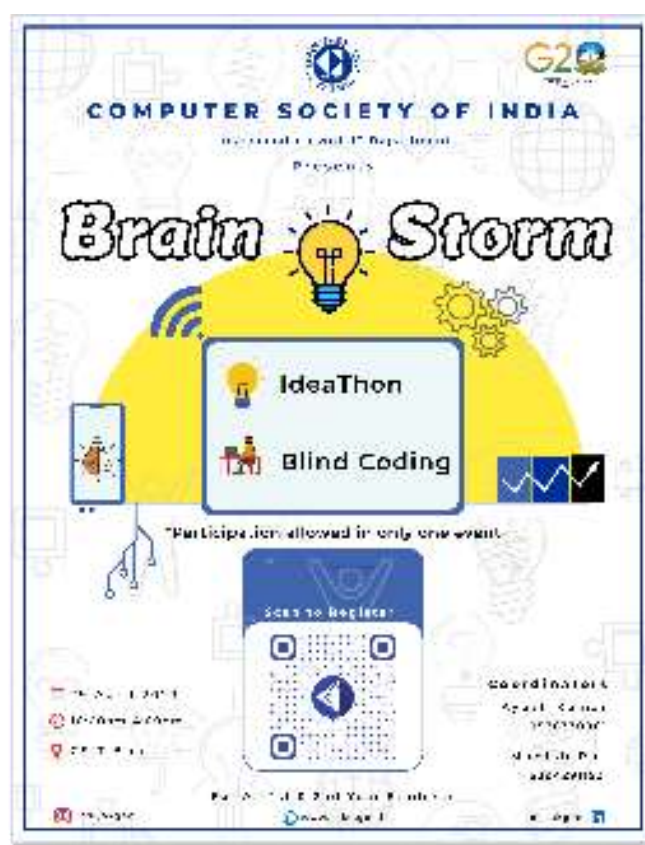
Cash prizes will be awarded to the top 3 teams based on their participation and performance. BrainStorm promises to be an exciting opportunity for students to exhibit their skills and unleash their creativity.

Blind Coding winners:

Name	Branch	Year	Position
Krishna Bansal	ECE	1st year	I
Yash Bansal	AIML	1st year	II
Kshitiz Agarwal	CSE	2nd year	III

Ideathon winners:

Name	Branch	Year	Position
Divya Sharma	IT	2nd year	I
Prithivi Raj Chauhan	ECE	1st year	II
Lakshya Sharma	CSIT	1st year	III

Report on CINE'21

CINE Stands for CSI INDUCTION FOR NEW ENTRANTS. It is the recruitment drive of CSI for B.Tech 2nd Year students for all the branches. CINE basically provides a platform for 2nd year students to outcast themselves based on their skills and be a part of Team CSI. The event consists of three domains - Technical, Designing and Managerial. The CINE 21 Include two rounds 1) Test 2) Interview Round 1 - Technical Domain - It was an online test round which was conducted in CSIT labs. Portal was created by our teammates itself. The test contains questions of coding in the preferred languages (like Python, C, C++, Java), aptitude and logical reasoning, SQL, HTML, CSS. 68 students cleared round 1 in technical domain. Designing Domain - Students were asked to design logos of the society and create some posters. 5 designers cleared round 1 Managerial Domain - Students were asked to answer questions related to their managerial skills. 25 students cleared round 1 Round 2 - It was an interview round where technical and behavioral questions were asked by third- and fourth-year students depending on their skills and behavior and their ability to work with team 31 students were selected for probation period.

Report on CODESHELL 2.0

It was a competitive coding event, in which coding questions were asked from participants and they had to think of their solutions and imply it through whatever coding language they knew. Event was conducted on Hacker rank platform. It was mainly focused to encourage participants towards programming and increase their problem-solving skills. Students from second, third and fourth year were eligible to participate in the contest. We received a huge number of registrations. Due to the overwhelming response from the participants, the contest took place in two shifts. Top performers from every year were awarded with a cash prize of Rs.6000.

Report on RENDER

The Workshop of ReactJS "RENDER" was conducted from 5th May 2022 to 8th May 2022. The workshop process included the registration of students from the link given by us. The registration was open for all branches of 1st and 2nd year. The venue was Advance IT Lab 1 and Advance IT Lab 2 and timings are:

5th May 2022 – Thursday 4:00 PM to 7:00PM

6th May 2022 – Friday 4:00 PM to 6:00 PM

7th May 2022 – Saturday 10:00 AM to 4:00 PM

8th May 2022 – Sunday 10:00 AM to 4:00 PM

REGISTRATION –The registration started on 30th April 2022, students were asked to register themselves using the provided link and pay the fees either by cash or online and verify the payment at the helpdesks at Backblock or CS/IT block. 42 students who registered with payment were given confirmation mail within 24hrs.

DAY 1 – A complete guide of HTML and its elements, attributes, events, color names, entities, character-sets, URL encoding, language codes, browser support were taught from very basic to intermediate level.

DAY 2 – A guide of CSS and all its properties, selectors with syntax, browser support, functions, fonts, colors, and more from complete basic to intermediate level.

DAY 3 – Introduction to JavaScript and its concepts including properties, methods and events in detail were taught. After lunch a quick introduction to ReactJS, about the pros and cons, origins, Why ReactJS? with installation and setup of ReactJS and started a project "Expense Tracker"

DAY 4 – A brief introduction to ReactJS, setting up React application, understanding package managers, project structures and completed the project "Expense Tracker".

• Everything was taught under the mentorship of 3rd Year and doubts or queries on topics were resolved by 2nd Year CSI student coordinators.

• Following the end of each day with a quick quiz and top 3 performers were awarded gift vouchers and badges.

• Interactive sessions were held to lighten the mood with games and the winners were awarded chocolates.

Report on SIH'2022

The Smart India Hackathon is an initiative of the Government of India to provide a platform for young minds to solve real-world problems by leveraging technology. TheGrand Finale of the hackathon brings together the best minds from across the country to showcase their innovative solutions to complex problems. Team CSI is proud to announce the outstanding achievement of its members:

Team Member	Team Name	Position
Aryan Sharma	SUPASOLVERS	Winner
Aditya Saxena		
Hemant Upadhyay		
Nandini Gupta		
Yash Vardhan		
Manish Kumar Rai	SWASTHYAVARDHAK	Winner

Report of IIT JODHPUR HACKATHON

The team Vanquisher consisting of Divyanshu Rana, Parv Mittal, Kanan Agarwal, Raghav Awasthi, and Anubha Sharma secured 1st position in the event, HackOverFlow, whilst the team X Matrix consisting of Virat Gupta, Siddhant Gurung, Saumya Srivastava, Anshika Puri, and Pushkar Khare secured 5th position in the same event and at last team X Spark consisting of Raghav Awasthi and Parv Mittal secured a position in the top 13 in the event Date-athon of the competition. One member of CSI, Siddhant Gurung was also among the top eight in an event called BizQuiz.

Team Member	Team Name	Position	Event
Divyanshu Rana	Vanquisher	Winner	HackOverFlow
Parv Mittal			
Kanan Agarwal			
Raghav Awasthi			
Anubha Sharma			
Virat Gupta	X Matrix	Top 5	
Siddhant Gurung			
Saumya Srivastava			
Anshika Puri			
Pushkar Khare			
Raghav Awasthi	X Spark	Top 13	Date-athon
Parv Mittal		Top 13	
Siddhant Gurung	-	Top 8	BizQuiz

Report on UPES DEHRADUN HACKATHON

At the prestigious Hackathon 7.0, held at UPES Dehradun, three teams from AKGEC, led by ourfaculty coordinators Dr. Avdhesh Gupta and Mr. Lucknesh Kumar, displayed outstanding performances that left a lasting impression on the judges.

Number of Teams	Name	Position
Team Innovate	Aditya Saxena	Top 10
	Amit Singh	
	Ayush Kumar Bhartiya	
	Yash Vardhan Singh	
Team Code Crushers	Manish Kumar Rai	Top 10
	Nandini Gupta	
	Parkhi Garg	
	Sakshya Tripathi	
Team Interpid	Shubhi Kedia	2nd Runner up
	Sukriti Maurya	
	Vratant Singh	
	Kumar Prakhar Rawat	

Team Interpid

Report on DR. B.R AMBEDKAR UNIVERSITY AND DEEN DAYAL UPADHYAY COLLEGE IDEATHON

Recently, a team from CSI, consisting of Aditya Saxena, Ayush Kumar, Prakhar Rawat, and Aryan Sharma, represented our institution at two pitching competitions held at Dr B.R. Ambedkar University and Deen Dayal Upadhyay College Delhi. Their exceptional performance at both eventsbrought accolades, with Team Vibess winning first place at Deen Dayal Upadhyay College and placing first runner-up at Dr B.R. Ambedkar University.

Their innovative solution for a healthy work-life balance, a platform simplifying leisure activity scheduling, demonstrates their problem-solving skills and entrepreneurial potential.

Team Name	Team Member
Vibess	Aditya Saxena
	Aryan Sharma
	Ayush Kumar Bhartiya
	Kumar Prakhar Rawat

E.P.I.C. [Entrepreneurs' Pitch and Idea Competition]
WINNERS

Team Vibess

An Ideathon by Deen Dayal Upadhyaya College, Delhi

CONGRATULATIONS
Inter University Ideathon
1st Runner Up

Team Vibess

An Ideathon by Dr. B.R Ambedkar University, Delhi

Report of Hackathon at MANIT, Bhopal

Tho teams were participated in Hackathon held at MANIT, Bhopal on 13-14 February 2023. The first round was Hacking Round, an offline round in the MANIT campus where the teams will be given 48 hours to develop a prototype, monitored and guided by mentors and Team E-Cell. Second round was presentation round, in which the teams presented the prototype in front of the judges and mentors, where the teams have to present the working and justify the solution to the given problem statement. Both teams were ranked in top 10 position.