



# **CYBER SRISHTI 2019 – A Two Day Technical Festival**

(April 20 – 21, 2019)



**Jaypee Institute of Information Technology, Noida**

(Declared Deemed to be University under Section 3 of UGC Act, 1956)

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# Cyber Srishti 2019 – A Two Day Technical Festival

(April 20 – 21, 2019)

## General Introduction

For nearly 10 years, Jaypee Institute of Information Technology (JIIT), Noida had been regularly organizing an annual exhibition of Student Projects. In 2014, this event was scaled up into a larger 2 day long IT Symposium, Cyber Srishti 2014. In addition to the project exhibition it included several other technical events, competitions and invited talks. Since 2016 (*i.e.* third edition of Cyber Srishti) the scope of Cyber Srishti keeps on expanding in subsequent editions *i.e.* Cyber Srishti in 2015, 2016, 2017, and 2018.

In this series, the sixth edition of Cyber Srishti had been conducted on April 20 – 21, 2019. In the year (2019), the scope of Cyber Srishti was further expanded to include many new events and participation including the cultural evening on the first day of the fest, where stand-up comedy performance of Abhishek Walia and Talk Show by Shivansh Srivastava were centre of attraction. These events included, (1) Project Exhibition (Software, Hardware, and Bio Tech Poster Papers), (2) Execute 19.1, (3) Robotics Exhibition, (4) Game Exhibition, (5) Paper Presentation. (6) Circuitrix, (7) Hydrophilic 4.0, (8) Jaypee Premier League, (9), Game-A-Thon (Game Hackathon) (10) Jaypee Innovation Challenge, (11) Reflect-Turncoat Debate, (12) Website Designing, (13) Capture The Flag, (14) Start-up Pitch Deck Competition (15) Tensor (Poster Presentation), (16) Who's The Next Sherlock, (17) Make Your Masterpiece, (18) Treasure Hunt, (19) FIFA, and (20) Photo Exhibition. In Cyber Srishti 2019, participation had been majorly observed from both campuses of JIIT (Sector 62 and Sector 128).

In all, more than 1900 participations had been observed in above mentioned events. Besides the inaugural speech of the Vice Chancellor, Prof. S. C. Saxena, participants were enlightened by the talk of the Chief Guest, Mr. S. B. S. Chakradhari, (Associate Director and Delivery Partner at Cognizant Technology Solutions). Also, presence of following invited guests from industry motivated the participants to perform well and enriched their knowledge: Mr Ranjit Sinha (Director, Head of Campus Program, Ericsson), Mr. Alok Kumar Mubai (Asst. Vice President-Learning & Development; IndiaMART InterMESH Limited), Mr. Vikas Gupta (IT Director, Cadence Design System), Mr. Vadapalli Mrutyunjay (Human Resources - Talent Acquisition, Cognizant Technology Solutions).

## From the Desk of Vice Chancellor

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It gives me pleasure to know, that the institute is bringing out the report of the Cyber Srishti 2019 organized by the Department of Computer Science Engineering and Information Technology in association with Departments of Electronics and Communication Engineering, and Biotechnology.

It was indeed a pleasure to witness the enthusiasm of the students of JIIT and other institutions for participation in technical events. I am also delighted to know about the intensive participation of JIIT Students in organizing this activity along with faculty. I am hopeful that such activities will generate a competitive environment among the students and widen their horizon and perspective.

I congratulate the faculty coordinators, student coordinators, event coordinators (faculty and students) for successfully organizing the event

**Prof. S. C. Saxena**

## From the Desk of Dean of Students

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"The basis of all (progress) is that you bring all treasures of knowledge under your control."

Cyber Srishti, now an annual event, provides ample opportunity to the students for showcasing their skills in the competitive environment of the college. This year's event witnessed an amazing response from the students as they enthusiastically took part in various competitions and utilized their talent, fully to create a name for themselves.

Technical events such as Project Exhibition, Execute 19.1, Circuitrix, Capture the Flag, Website Designing, Hydrophilic, *etc.* provided a platform to the participants to imbibe spirit of companionship, team play, and organizing abilities. These technical events encouraged the students to think out of box, stretch their imagination beyond the text book, and learn to use their knowledge with presence of mind in live competitions. Events like Reflect-Turncoat Debate, Paper Presentation, Jaypee Premier League, Treasure Hunt, and Start-up summit, *etc.* were also very popular. Student enthralled the audience with their talent and impeccable presentation and organising skills. Besides the technical events, students also witnessed the cultural evening on the first day of Cyber Srishti 2019.

Bringing around 1900 participations in different events by the students of different branches together was one of the biggest highlight of this Tech Fest. It gives a sense of pride when college Alumnus returns to the college, judge events and motivates their juniors. I wish the students and organizers, all the very best and hope they will gradually scale up the level of Cyber Srishti making it the most sought after event in the college.

**Shri Kapil Sud**

## Table of Contents

	Page No
General Introduction	2
From the Desk of Vice Chancellor	3
From the Desk of Dean of Students	4
Opening Ceremony	6
Project Exhibition	8
Execute 19.1	8
Robotics Exhibition	10
Circuitrix	10
Capture the Flag	10
Website Designing	12
Game-A-Thon (Game Hackathon)	12
Hydrophilic 4.0	12
Paper Presentation	14
Reflect – Turncoat Debate	14
Jaypee Premier League (JPL)	14
Treasure Hunt	14
Tensor (Poster Presentation)	16
Jaypee Innovation Challenge	16
Game Exhibition	16
Start-up Pitch Deck Competition	16
Photo Exhibition	18
FIFA	18
Who's The Next Sherlock	18
Make Your Masterpiece	18
Closing Ceremony	20
Appendix A – Winner's List	22
Appendix B – Participation Summary	24
Appendix B – Talk Show & Stand-Up Night	25
Appendix D – List of Projects	26
Co-ordination Team	28

## **Opening Ceremony (April 20, 2019, 9:30 AM – 10:00 AM)**

Jaypee Institute of Information Technology (JIIT), Sector 62, Noida organised a two-day technical festival, “Cyber Srishti 2019” from 20<sup>th</sup> to 21<sup>st</sup> April 2019. Prof. S. C. Saxena, Vice Chancellor, JIIT Noida inaugurated the technical festival on 20<sup>th</sup> April 2019. Shri S. B. S. Chakradhari, (Associate Director and Delivery Partner at Cognizant Technology Solutions) was the chief guest for the Inauguration Ceremony. The inauguration ceremony included, Lamp lighting, Saraswati Vandana, Vice Chancellor’s address to the audience, address by the Chief Guest, and briefing of the events planned in the two day technical festival. Inauguration ceremony also witnessed the presence of invited guests from industries, Mr Ranjit Sinha (Director, Head of Campus Program, Ericsson), Mr. Alok Kumar Mubai (Asst. Vice President-Learning & Development; IndiaMART InterMESH Limited), Mr. Vikas Gupta (IT Director, Cadence Design System), Mr. Vadapalli Mrutyunjay (Human Resources - Talent Acquisition, Cognizant Technology Solutions). Besides, Vice Chancellor, Chief Guest, and Invited Guests, the Inauguration Ceremony was also attended by Shri D. K. Rai (Dean, A&R), Shri Kapil Sud (Dean of Students), HODs of different departments at JIIT, Faculty members of both campuses (Sector 62 and Sector 128), and around 700 student participants and volunteers.

### **Photographs: Opening Ceremony**

1. Vice Chancellor, Prof. S. C. Saxena addressing the audience while inaugurating the Two-Day Tech Fest
2. **(A)** Vice Chancellor, Prof. S. C. Saxena along with other dignitaries lightening the lamp, **(B)** Participants in the auditorium during inauguration ceremony, **(C)** Chief Guest, Shri S. B. S. Chakradhari addressing the audience, and **(D)** Faculty Coordinator of Cyber Srishti 2019, Dr. Manish K. Thakur briefing the events planned in the two day technical festival
3. Vice Chancellor, Prof. S. C. Saxena presenting memento to **(A)** Chief Guest, Shri S. B. S. Chakradhari, **(B)** Shri Ranjit K Sinha, **(C)** Shri Alok Kumar Mubai, and **(D)** Shri Vikas Gupta
4. Some of the dignitaries during the inauguration ceremony **(L to R)**: Shri Kapil Sud, Shri Alok Kumar Mubai, Shri Ranjit K Sinha, Prof. S. C. Saxena, Shri S. B. S. Chakradhari, Shri Vikas Gupta, and Dr. Manish K Thakur



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## Project Exhibition – Software, Hardware, and Bio-Tech

(April 20, 2019, 10AM - 3PM)

In this event, students exhibited their projects under following categories: Software (maximum 3 students per project), Hardware (maximum 4 students per project), and Bio-Tech (Paper Presentation). Students exhibited their projects in all listed categories on first day of the Tech Fest. Besides the JIIT faculty members, exhibited projects were seen by the chief guest, Shri S. B. S. Chakradhari and other invited guests. Exhibited projects spanned in different fields of engineering, like, Data Science, Embedded Systems, Mobile Computing, Computer Vision, etc. Projects displayed in the exhibition are listed in Appendix 'D'.

### Winners:

#### Category – Software

1<sup>st</sup>: Pritika Arora, Rishabh Agrawal, Anant Kulshreshtha

2<sup>nd</sup>: Himangi Mittal

3<sup>rd</sup>: Harshul Singhal

#### Category – Hardware

1<sup>st</sup>: Hardik Rewari, Dhroov Batra

2<sup>nd</sup>: Harsh Kumar Singh, Saurabh Verma, Shashank Pal

3<sup>rd</sup>: Ruchir Pokharna, Shubham yadav

#### Category – Bio-Tech (Paper Presentation)

1<sup>st</sup>: Mahender Singh Rawat

2<sup>nd</sup>: Bhanu Pratap Chauhan, Yashi Srivastava

3<sup>rd</sup>: Aditi Ganguly

## Execute 19.1 – Onsite Battle of Algorithms

(April 20, 2019, 10:30AM – 2:30PM)

It was 4 Hrs. long ACM ICPC styled onsite battle of algorithms and programming skills conducted on the HackerRank platform (<https://www.hackerrank.com/contests/execute--19-1/challenges>). In this battle, participants in team of maximum 3 students were asked to design optimized algorithms for given problems. In total 10 problems of varying nature and complexities were given to the participants. Problems were designed around the pervasive theme of the fest, "IT for Sustainability". Including external and internal participants, total 227 teams participated in the event. Prizes in Execute 19.1 were given in following two categories: Overall and Junior Years. Presence of Chief Guest, Shri S. B. S. Chakradhari, other eminent invited guests, and many JIIT faculty members motivated the participants to perform well.

### Winners: Overall

1<sup>st</sup>: Utkarsh Gupta, Sameer Gulati

2<sup>nd</sup>: Anubhav Goyal, Utkarsh Verma, Charul Sharma

3<sup>rd</sup>: Mohit Sharma, Tanay Mishra, Aditya Dimri

### Winners: Junior Years

1<sup>st</sup>: Rishika Sood, Hemant Panwar, Shivam gupta

2<sup>nd</sup>: Rishi Garg, Nikhil Rathore

3<sup>rd</sup>: Ojas Bansal, Akash Sharma, Akash Kumar Rai

### Photographs: Project Exhibition and Execute 19.1

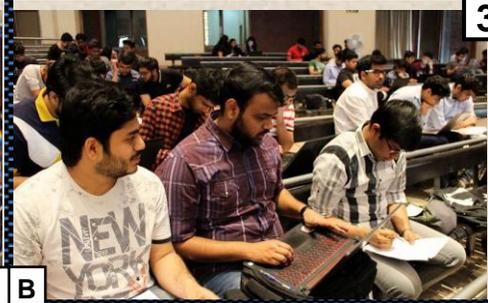
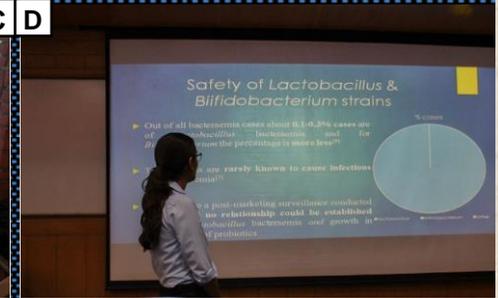
1. Chief Guest, Shri S. B. S. Chakradhari and other invited guests interacting with the participants of Project Exhibition
2. (A, B, & C) Participants elaborating their projects to the Chief Guest, other dignitaries, and faculty members. (D) Participant presenting the paper under the category of Bio-Tech Paper Presentation
3. Participating students of the event Execute 19.1 spread over entire Auditorium and attempting to solve the problems in a team of maximum 3 students
4. Coordination Team of the event Execute 19.1: Faculty Coordinator, Dr. Manish K. Thakur (at the centre) along with student coordinators of the event



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## Robotics Exhibition

(April 20, 2019, 10AM - 5PM)

It was a team event (maximum four participants per team) conducted on the first day of the tech fest. Prior to event, participants were asked to apply their hardware and robotics skills to create a working robotics model around the pervasive theme of IT for sustainability. All the working models had been later exhibited in the robotics exhibition. These models include the cost efficient drone, intelligent surveillance system for high rise buildings, etc. Total 21 teams exhibited their model in the event.

### Winners:

**1<sup>st</sup>:** Ayush Bhatia, Mihirpushp Bisht

**2<sup>nd</sup>:** Abhishek, Ankit

**3<sup>rd</sup>:** Herumb Shandilya, Nakul Gupta, Prashant Kartikey

### Consolation Prize

**1<sup>st</sup>:** Yatidharan Choudhary, Karan Pechori, Divyam Goel

**2<sup>nd</sup>:** Vishita Batra, Shubhangi Gupta, Gurusha Garg

## Circuitrix

(April 20, 2019, 11:30AM – 2PM; April 21, 2019, 10AM – 3PM)

An electronic circuit is composed of electronic components such as resistors and transistors connected by conductive wires through which electric current can flow. The event Circuitrix tested the electrical circuit knowledge of the participants and how well they can apply it. The event was conducted in two rounds where quiz based elimination round was conducted on the first day of the fest and selected teams (maximum 4 participants per team) participated in the final round (circuit designing) on second day of the fest. Total 51 teams participated in round 1 and 10 teams qualified for round 2.

### Winners:

**1<sup>st</sup>:** Shubham Agarwal, Shubham Goyal, YNSH Reddy

**2<sup>nd</sup>:** Shruti Pandey, Parul Pragya

**3<sup>rd</sup>:** Tanwi Kumari, Harshita Gupta

## Capture The Flag

(April 21, 2019, 10AM - 4PM)

It was a 6 Hrs. long onsite Jeopardy type (beginner friendly) hacking competition conducted on second day of the fest. Here participants were given a set of tasks (snippet of code) and set of questions that reveal clues (*i.e.* contestants get to know the right direction to move forward) and ultimately guided them to solve the complex tasks in specific order. Each team received points for each solved task and solving more difficult tasks helped the participating teams to ensure more points. Total 34 teams (maximum 4 students per team) participated in the event.

### Winners:

**1<sup>st</sup>:** Swapnil

**2<sup>nd</sup>:** Aarush Ahuja, Rishab Bansal

**3<sup>rd</sup>:** Hardik Manocha, Bhanu Pratap Singh

### Consolation Prize

Rishik Sood, Shreyansh Chouhan

## Photographs: Robotics Exhibition, Circuitrix, and Capture The Flag

1. Participant of the Robotic Exhibition presenting the working model (drone) to the Chief Guest, Invited Guests, and dignitaries
2. Participants of the Robotic Exhibition presenting the working model to **(A)** Guests & **(B)** Faculty. **(C)&(D)** Coordinators of the event Circuitrix explaining the event
3. Coordination Team in **(A)** and participating students in **(B),(C)&(D)** in the event Capture The Flag
4. Coordination Team of the event Circuitrix



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## Website Designing

(April 21, 2019, 10AM - 4PM)

Website Designing Competition is the ultimate test of the participant's web development skills and brings out the inner developer and the creative mind. It was a 6 Hrs. long team event (maximum four participants per team) where each participating team was required to develop interactive website on the theme IT for Sustainability. Interactiveness and Graphical interface were the major criteria to evaluate the developed website. This event was conducted on the second day of the tech fest. Total 27 teams participated in the event.

### Winners: (Junior)

1<sup>st</sup>: Animesh Chaturvedi, Shaurya Vardhan  
Singh, Piyush Bhargav

2<sup>nd</sup>: Bhavya Mendiratta, Shubham Pandey

### Winners: (Senior)

1<sup>st</sup>: Saransh Barua

### Consolation Prize

Utkarsh Pandey

## Game-A-Thon

(April 21, 2019, 10AM – 4PM)

It was a 6 Hrs. long Hackathon conducted on the second day of the fest. Here participating teams (maximum four participants per team) were asked to develop their own video games using the industry standard game development tools, including the Unity3D game engine and C#. Through this event, the creativity, originality, technicality, and imagination of the participants had been tested. Besides the technicality the developed games have been evaluated on following parameters too: story, characters, audio, art, lighting, levels, game flow, aesthetics, simplicity in understanding and innovation. Total 14 teams participated in the event and developed the workable games.

### Winners:

1<sup>st</sup>: Manu Mitraan, Uddesh Katyayan, Ashish  
Gupta, Vedant Raval

2<sup>nd</sup>: Khushboo Gupta, Rahul Jain, Akshat Bisht

3<sup>rd</sup>: Utkarsh Saraogi

## Hydrophilic – 4.0

(April 20, 2019, 11:30AM – 12:30PM, April 21, 2019, 11AM - 4PM)

Water Pollution has proved to be the worst of enemy by either making the rivers yearn for rescue or by depriving humans the drinking water for survival. Hydrophilic 4.0 event was designed for participants to test their scientific skills & the ability to utilize the water resources to its fullest. It was a team based event (maximum 2 students per team) conducted in two rounds. First round was elimination round (quiz on pollution) and selected teams participated in second round to put the efforts to utilize the water resources. Total 74 teams participated in the event.

### Winners:

1<sup>st</sup>: Shikhar Shukla, Kushagra Tiwari

2<sup>nd</sup>: Bhartendu Dubey, Anubhav Sanyal

3<sup>rd</sup>: Ishta Kaul, Antra Gaur

### Consolation Prize

1<sup>st</sup>: Abhinav Goyal, Anoop Kumar Verma

2<sup>nd</sup>: Akshay Amritanshu, Sandeep Kumar

## Photographs: Website Designing, Game-A-Thon, and Hydrophilic – 4.0

1. Coordination Team of the Website Designing event along with Prof. Vikas Saxena (Head, CSE/IT) and Dr. Chakresh Jain
2. Participants of the events Website Designing and Game-A-Thon
3. Participants of the events Hydrophilic 4.0 and Game-A-Thon
4. Coordination Team of the event Hydrophilic 4.0



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## **Paper Presentation (April 20, 2019, 12PM – 5PM)**

It was a team (maximum 2 students per team) based event scheduled on the first day of the tech fest. In this event participants got the opportunity to showcase their analytical skills by presenting the efficient solutions in form of paper on different areas of technology (IT, ECE, and Bio Tech). Total 12 teams participated and presented their paper in this event.

### **Winners:**

**1<sup>st</sup>:** Hardik Sharma

**2<sup>nd</sup>:** Shelly Gupta

**3<sup>rd</sup>:** Prabhat Shukla, Shashank Thakur

## **Reflect – The Socio Technical Turncoat (April 21, 2019, 10AM – 3PM)**

It was an individual event where participant's technical debate skills (under the categories: Hindi and English) on overall theme of IT for Sustainability were evaluated. Each speaker got the time of 4 minutes where speaker first started to speak for the motion and changed their stance at the end of each tap. Total 38 participants (14 internal and 24 external) participated in the event.

### **Winners:**

**1<sup>st</sup>:** **English** - Shudhanshu Shekhar Jha, **Hindi** - Smiti

**2<sup>nd</sup>:** **English** - Amrit Khatri, **Hindi** - Manawwar Hussain

**3<sup>rd</sup>:** **English** - Shreya Kadyan, **Hindi** - Anand Mishra

## **Jaypee Premier League (April 20 & 21, 2019, 2PM – 4PM)**

It was a two rounds (Round 1 was scheduled on first day and Round 2 was scheduled on the second day) technical quiz competition where participating team's (maximum 2 students in a team) technical general knowledge had been tested. Total 80 teams participated in the event.

### **Winners:**

**1<sup>st</sup>:** Ishan Agarwal, Sahil Gupta

**2<sup>nd</sup>:** Aman Singh Chauhan, Shubham Dwivedi

**3<sup>rd</sup>:** Sarthak Singh

## **Treasure Hunt (April 20, 2019, 4PM – 6PM)**

It was a team (2 students per team) based adventurous and thrilling event conducted on the first day of the tech fest. Based on the clues (technical), participants were supposed to hunt the entire campus in search of the treasures. In total, 80 teams participated in the event.

### **Winners:**

**1<sup>st</sup>:** Ishan Agarwal, Sahil Gupta

**2<sup>nd</sup>:** Ishita Pandey, Kushagra Tiwari

**3<sup>rd</sup>:** Aman Singh Chauhan, Shubham Dwivedi

## **Photographs: Paper Presentation, Reflect – The Socio Technical Turncoat, Jaypee Premier League (JPL), and Treasure Hunt**

1. Participant of the event Paper Presentation presenting the paper in front of the jury members and audience.
2. **(A)** Poster of the event Reflect – The Socio Technical Turncoat. **(B), (C), & (D)** Participants of the event Reflect – The Socio Technical Turncoat.
3. Poster **(A)** and participant **(B)** of the event Treasure Hunt, **(C)** Coordinator of the event JPL asking the questions, and **(D)** Participant of the event JPL
4. Coordinator of the event JPL (Jaypee Premier League).



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### **Tensor (April 21, 2019, 10AM – 3PM)**

It was a scientific poster presentation competition where participating teams (maximum 2 students per team) were required to present the posters embodying the theme IT for Sustainability. Posters are either handmade or digitally designed over following topics: Fibre technology and optics, quantum computing, energy storage, and IoT and Wireless communication. Total 12 teams participated in this event.

#### **Winners:**

**1<sup>st</sup>:** Abhilasha Singh, Ayush Bhatia

**2<sup>nd</sup>:** Divyansh Jain, Utkarsh Kapoor

**3<sup>rd</sup>:** Vinay Kumar Reddy

### **Game Exhibition (April 20, 2019, 12PM – 5PM)**

This event was conducted on the first day of the tech fest, where participants (individual) exhibited the puzzle based games and video games developed by them. In total, participants exhibited 5 logical / puzzle games and video games. During the exhibition, the audience/visitors were allowed to explore/play the exhibited games.

#### **Winners:**

**1<sup>st</sup>:** Sarthak Agrawal

**2<sup>nd</sup>:** Shubham Mittal

**3<sup>rd</sup>:** Govind Maheshwari

### **Jaypee Innovation Challenge (April 21, 2019, 10AM – 3PM)**

It was a 3 rounds team (maximum 3 students per team) event specially meant for Electronics/Hardware enthusiastic students and conducted on second day of the fest. Round 1 was elimination round, round 2 was simulation of the circuits, and selected students implemented the hardware in round 3. Total 41 teams participated in the event.

#### **Winners:**

**1<sup>st</sup>:** Shreyansh Mishra, Abhinav Kakkar, Vineeta Mittal

**2<sup>nd</sup>:** Veenit Kumar, Harshal Tyagi

**3<sup>rd</sup>:** Pooja Dwivedi, Anadi Tripathi, Girshat Nanda

### **Start-up Pitch Deck Competition (April 21, 2019, 10AM – 3PM)**

In this event, participating teams (maximum 3 students per team) first presented the idea/problem/plan on which the technical start-up will focus. The future entrepreneurs (Participants) also presented the business plan and challenge to establish their technical start-up. The event was scheduled on the second day of the fest where 10 teams presented the idea of their technical start-up.

#### **Winners:**

**1<sup>st</sup>:** Ujjwal Sharma, Abdul Malik

**2<sup>nd</sup>:** Aditi Ganguly

### **Photographs: Tensor, Jaypee Innovation Challenge, Game Exhibition, and Start-up Pitch Deck Competition (SPDC)**

1. Coordinators of the event Tensor
2. **(A), & (B)** Participants presenting the posters in the event Tensor. **(C), & (D)** Poster of the event Jaypee Innovation Challenge and the participants
3. **(A), (B), & (C)** Poster of the event, SPDC and the participants. **(D)** Participants of the event Game Exhibition detailing the exhibited game to the visitors
4. Coordinators and the participants of the event Game Exhibition.



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### **Photo Exhibition (April 20 & 21, 2019, 10AM – 5PM)**

In this event, photography skills of individuals were showcased at the photo gallery. Participants were asked to capture the realms of urban life or poverty in a frame. Shortlisted entries under (A) Urban Life and (B) Poverty categories were displayed at the gallery. Total 27 entries were received out of which 20 (10 in each category) were exhibited.

#### **Winners:**

**Urban Life Category:** 1<sup>st</sup> Pratyush Singh, 2<sup>nd</sup> Pulkit Sharma

**Poverty Category:** 1<sup>st</sup> Saurabh Pandey, 2<sup>nd</sup> Hardik Karira

### **FIFA (April 20, 2019, 1PM – 5PM)**

This event was designed for the gamers where each participant fought to be the best gamers by playing the football game named FIFA and become the Ultimate FIFA-19 champion. Total 32 individuals participated in the event which was conducted on the first day of the tech fest.

#### **Winners**

1<sup>st</sup>: Deepanshu Reddu

2<sup>nd</sup>: Srajan Ahuja

3<sup>rd</sup>: Ashish Kumar

### **Who's The Next Sherlock (April 21, 2019, 11AM – 2PM)**

This event was conducted in 2 rounds stressing upon observation and interrogation related to crime scene investigation. Here participants got the opportunity to prove themselves as the next Sherlock Holmes. In elimination round awareness about crime investigation was conducted whereas participating teams (2 students per team) were asked to investigate the crime scene in second round. Total 52 teams participated in the event.

#### **Winners:**

1<sup>st</sup>: Shubham Goyal, Sachin Raj

2<sup>nd</sup>: Kumar Shreya, Meenal Jangid

3<sup>rd</sup>: Yugal Sharma, Dixit Kalra

### **Make Your Masterpiece (April 20, 2019, 11AM – 5PM)**

This event provided the opportunity to enthral the artist inside the individuals and test model designing ability and creative skills for the successful implementation of the thought process. The event was conducted in two rounds. First round was quiz based elimination round whereas in round 2 participants were asked to show the creativity using the materials and themes provided to them. Total 60 teams (2 students per team) participated in the event.

#### **Winners:**

1<sup>st</sup>: Ishta Kaul, Antra Gaur

2<sup>nd</sup>: Shubham Aggarwal, Y.N.S.H Reddy

3<sup>rd</sup>: Pranav Pancham, Chetna Soin

### **Photographs: Treasure Hunt, Blind Coding, Fastest Finger First and Poster Mania**

1. A student watching the photographs exhibited under following categories: Urban Life and Poverty
2. Posters of the events **(A)** Photo Exhibition, and **(B)** Make Your Masterpiece
3. Participants of the events **(A)** Who's The Next Sherlock, **(B)** FIFA, **(C)** Make Your Masterpiece. **(D)** Photographs exhibited in the photo gallery
4. Coordinators of the event Who's The Next Sherlock



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## **Closing Ceremony (April 21, 2019, 6:30 – 9:30 PM)**

Closing ceremony was conducted on second day of the tech fest where Certificate of Merit and Cash Prizes (First, Second, and Third) were given to the winners of different events. Cash prize (Totalling Rs. 250000/-) and certificate of merit were given to the winners of the events by Prof. S. C. Saxena (Vice Chancellor, JIIT Noida), Prof. D. K. Rai (Dean (A&R), JIIT Noida), and Prof. Vikas Saxena (Head, CSE/IT, JIIT Noida). Along with the certificate of merit to the winners, the closing ceremony also witnessed the prize and certificate distribution to the volunteers of “Swaksh Bharat Abhiyan” and winners of Smart India Hackathon 2019 (SIH 2019). Along with prize distribution, several cultural performances e.g. singing – solo, group, and quawwali, dance – solo and group, theatre performance, *etc.* were performed by the JIIT students during closing ceremony.

### **Photographs: Closing Ceremony**

1. Prof. S. C. Saxena (Vice Chancellor, JIIT Noida) presenting Certificate of Merit to the winners of an event
2. **(A)** Faculty Coordinator (Dr. Manish K. Thakur) of Cyber Srishti 2019 detailing the participation summary, **(B)** Quawwali performance by JIIT students, **(C)** JIIT students performing the group singing, and **(D)** Nukkad Natak (Theatre) performance by a JIIT student
3. Prof. S. C. Saxena (Vice Chancellor, JIIT Noida) presenting the Certificate of Merit to the winners of **(A)** an event in Cyber Srishti 2019, and **(B)** A participant of the winning team of SIH 2019. **(C) & (D)** Prof. D. K. Rai (Dean (A&R), JIIT Noida) and Prof. Vikas Saxena (Head, CSE/IT, JIIT Noida) presenting the Certificate of Merit to the winners of different events
4. Group photograph of the coordinating team (students and faculty) of Cyber Srishti 2019



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## Appendix 'A'

### Cyber Srishti 2019 – Winners Summary

S. No.	Event Name	Participation Details	Winners Details		
			First	Second	Third
1	Project Exhibition	<b>Category: Software</b> (54 Projects, maximum 3 students per project)	Pritika Arora, Rishabh Agrawal, Anant Kulshreshtha	Himangi Mittal	Harshul Singhal
		<b>Category: Hardware</b> (11 Projects, maximum 3 students per project)	Hardik Rewari, Dhroov Batra	Harsh Kumar Singh, Saurabh Verma, Shashank Pal	Ruchir Pokharna, Shubham yadav
		<b>Category: Bio Tech</b> (9 papers maximum 2 students per research paper)	Mahender Singh Rawat	Bhanu Pratap Chauhan, Yashi Srivastava	Aditi Ganguly
2	Execute 19.1	227 Teams (Maximum 3 students per team)	<b>Overall Category:</b> Utkarsh Gupta, Sameer Gulati	<b>Overall Category:</b> Anubhav Goyal, Utkarsh Verma, Charul Sharma	<b>Overall Category:</b> Mohit Sharma, Tanay Mishra, Aditya Dimri
			<b>Junior Years Category:</b> Rishika Sood, Hemant Panwar, Shivam Gupta	<b>Junior Years Category:</b> Rishi Garg, Nikhil Rathore	<b>Junior Years Category:</b> Ojas Bansal, Akash Sharma, Akash Kumar Rai
3	Robotics Exhibition	26 Teams (Maximum 3 students per team)	Ayush Bhatia, Mihirpushp Bisht	Abhishek, Ankit	Herumb Shandilya, Nakul Gupta, Prashant Kartikey
			<b>Consolation Prize: (1<sup>st</sup>)</b> Yatidharan Choudhary, Karan Pechori, Divyam Goel, <b>(2<sup>nd</sup>)</b> Vishita Batra, Shubhangi Gupta, Gurusha Garg		
4	Circuitrix	51 Teams (Maximum 3 students per team)	Shubham Agarwal, Shubham Goyal, YNSH Reddy	Shruti Pandey, Parul Pragya	Tanwi Kumari, Harshita Gupta
5	Capture the Flag	34 Teams (Maximum 3 students per team)	Swapnil	Aarush Ahuja, Rishab Bansal	Hardik Manocha, Bhanu Pratap Singh
			<b>Consolation Prize:</b> Rishik Sood, Shreyansh Chouhan		
6	Website Designing	27 Teams (Maximum 3 students per team)	<b>Junior Category:</b> Animesh Chaturvedi, Shaurya Vardhan Singh, Piyush Bhargav	<b>Junior Category:</b> Bhavya Mendiratta, Shubham Pandey	<b>Consolation Prize:</b> Utkarsh Pandey
			<b>Senior Category:</b> Saransh Barua	-----	

7	<b>Game-A-Thon (Game Hackathon)</b>	14 Teams (Maximum 4 students per team)	Manu Mitraan, Uddesh Katyayan, Ashish Gupta, Vedant Raval	Khushboo Gupta, Rahul Jain, Akshat Bisht	Utkarsh Saraogi
8	<b>Hydrophilic 4.0</b>	72 Teams (2 students per team)	Shikhar Shukla, Kushagra Tiwari	Bhartendu Dubey, Anubhav Sanyal	Ishta Kaul, Antra Gaur
			<b>Consolation Prize: (1<sup>st</sup>)</b> Abhinav Goyal, Anoop Kumar Verma, <b>(2<sup>nd</sup>)</b> Akshay Amritanshu, Sandeep Kumar		
9	<b>Paper Presentation</b>	12 Teams (Maximum 3 students per team)	Hardik Sharma	Shelly Gupta	Prabhat Shukla, Shashank Thakur
10	<b>Reflect – The Socio Technical Turncoat</b>	38 Teams (1 student per team)	<b>English Category:</b> Shudhanshu Shekhar Jha	<b>English Category:</b> Amrit Khatri	<b>English Category:</b> Shreya Kadyan
			<b>Hindi Category:</b> Smiti	<b>Hindi Category:</b> Manawwar Hussain	<b>Hindi Category:</b> Anand Mishra
11	<b>Jaypee Premier League</b>	80 Teams (Maximum 2 students per team)	Ishan Agarwal, Sahil Gupta	Aman Singh Chauhan, Shubham Dwivedi	Sarthak Singh
12	<b>Treasure Hunt</b>	80 Teams (2 students per team)	Ishan Agarwal, Sahil Gupta	Ishita Pandey, Kushagra Tiwari	Aman Singh Chauhan, Shubham Dwivedi
13	<b>Tensor (Poster Presentation)</b>	12 Teams (Maximum 2 students per team)	Abhilasha Singh, Ayush Bhatia	Divyansh Jain, Utkarsh Kapoor	Vinay Kumar reddy
14	<b>Jaypee Innovation Challenge</b>	41 Teams (Maximum 3 students per team)	Shreyansh Mishra, Abhinav Kakkar, Vineeta Mittal	Veenit Kumar, Harshal Tyagi	Pooja Dwivedi, Anadi Tripathi, Girshat Nanda
15	<b>Game Exhibition</b>	5 Teams (1 student per team)	Sarthak Agrawal	Shubham Mittal	Govind Maheshwari
16	<b>Start-up Pitch Deck Competition</b>	14 Teams (Maximum 3 students per team)	Ujjwal Sharma, Abdul Malik	Aditi Ganguly	-----
17	<b>Photo Exhibition</b>	27 Entries of the Photographs (1 student per photographs)	<b>Urban Category:</b> Pratyush Singh	<b>Urban Category:</b> Pulkit Sharma	-----
			<b>Poverty Category:</b> Saurabh Pandey	<b>Poverty Category:</b> Hardik Karira	
18	<b>FIFA</b>	32 Teams (1 student per team)	Deepanshu Reddu	Srajan Ahuja	Ashish Kumar
19	<b>Who is the Next Sherlock</b>	52 Teams (2 students per team)	Shubham Goyal, Sachin Raj	Kumar Shreya, Meenal Jangid	Yugal Sharma, Dixit Kalra
20	<b>Make your Masterpiece</b>	60 Teams (2 students per team)	Ishta Kaul, Antra Gaur	Shubham Aggarwal, Y.N.S.H Reddy	Pranav Pancham, Chetna Soin

## Appendix 'B'

### Cyber Srishti 2019 – Participation Summary

S. No.	Event Name	Participation Details					JIIT Students Branch Wise Count		
		Team Size (Max)	Team Count	Student Count	External Team Count	External Student Count	CSE/IT	ECE	BioTech
1A	Project Exhibition – Software / Hardware	3 / 3	54 / 11	110 / 23	0 / 0	0 / 0	110 / 20	0 / 0	0 / 0
1B	Project Exhibition - Biotech Paper Presentation	2	9	17	0	0	0	0	17
2	Execute 19.1	3	220	550	7	15	545	5	0
3	Robotics Exhibition	3	21	45	5	10	40	5	0
4	Circuitrix	3	51	120	0	0	0	120	0
5	Capture the Flag	3	20	49	14	29	49	0	0
6	Website Designing	3	24	56	3	7	56	0	0
7	Game-A-Thon (Game Hackathon)	4	10	31	4	12	31	0	0
8	Hydrophilic 4.0	2	72	144	2	4	45	26	73
9	Paper Presentation	3	12	25	0	0	25	0	0
10	Reflect – The Socio Technical Turncoat	1	14	14	24	24	6	5	3
11	Jaypee Premier League	2	80	146	0	0	67	46	33
12	Treasure Hunt	2	80	160	0	0	72	61	27
13	Tensor (Poster Presentation)	2	12	19	0	0	10	2	7
14	Jaypee Innovation Challenge	3	41	105	0	0	19	82	4
15	Game Exhibition	1	5	5	4	4	5	0	0
16	Start-up Pitch Deck Competition	3	14	27	0	0	15	5	7
17	Photo Exhibition	1	27	27	0	0	12	9	6
18	FIFA	1	32	32	0	0	14	10	8
19	Who is the Next Sherlock	2	52	104	0	0	32	35	37
20	Make your Masterpiece	2	60	120	1	2	62	39	19
<b>TOTAL</b>			<b>921</b>	<b>1929</b>	<b>64</b>	<b>107</b>	<b>1235</b>	<b>453</b>	<b>241</b>

## Appendix 'C'

### Cyber Srishti 2019 – Talk Show & Stand-Up Night

Evening hours of the first day of the tech fest was dedicated to the Talk Show and performance of the Stand-up comedian. The talk show was hosted by one of the IIIT students, Shivansh Srivastava who interacted on different aspects of technological life at IIIT with Dr. Manish K Thakur (Faculty Coordinator, Cyber Srishti 2019), Prof. Vikas Saxena (Head, Dept. of CSE/IT), Dr. Shamim Akhter (Faculty Coordinator, Cyber Srishti 2019), and Mr. Ajit Tomar (Admin Manager, IIIT Noida). Talk show was followed by the performance of the Stand-up comedian Mr. Abhishek Walia.

#### Photographs

- Host of the talk show Shivansh Srivastava interacting with (L to R), Dr. Manish K Thakur, Prof. Vikas Saxena, Dr. Shamim Akhter, and Mr. Ajit Tomar
- Students spread in the auditorium to watch the Talk show and Stand-up performance



## Appendix 'D'

### Cyber Srishti 2019 – List of Projects displayed in the Project Exhibition

#	Project Title	Participating Students
1	Prediction Model Using Facial Features	Raghav Mathur (15103098), Harshit Paliwal (15104042), Vedant Kukreti (15104061)
2	Secure Transfer of Secret Image Using Cryptography and Steganography	Shivank Tiwari (15103243), Nipun Mittal (15103303)
3	Effects of Air Pollution – Extended	Japsehaj Singh Wahi (15103181), Mayank Deepak Thar (15103183), Muskan Garg (15103185)
4	Text2face : Facial Image Generation Using Text	Jitesh Pabla (15103297), Vaibhav Sharma (15103311), Sajal Subodh (15103332)
5	Metric Based Detection of Some Code Smells in Java Classes	Hemraj Fagna (15103352), Naman Agarwal (15103356)
6	Android Malware Detection Using Machine Learning	Dhananjay Singh (15103171)
7	Automatic Driving	Daksh Varshney (15103011), Rachita Sharma (15103016)
8	Video Tagging	Aditya Garg (15103005), Bhavna Sharma (15104008)
9	Developing Hybrid Nature Inspired Algorithm and Packages in Go Language	Prabhat Shukla (15803012), Shashank Thakur (15803024), Shriti Arora (15803026)
10	Smart Parking System	Shikhar Singh (15103157), Sourav Kumar (15103160), Madhav Shrotriya (15103207)
11	Path Finder	Prince Vikram (15103014), Utkarsh Saraogi (15103028), Utkarsh Singh Thakur (15103343)
12	Videos Search Through Content Verification Using Meta-Data	Vasvi Bajaj (15103165), Rajat Bhusan Panda (15103362)
13	Biological Network	Nidhi Jain (15104017), Tulika Gangwar (15104029)
14	Creating Our Own Crypto-currency–Major-coin	Ashish Tyagi (15103086), Priyanshi Sharma (15103132)
15	Social Information Extraction and Analysis	Ayushi Aggarwal (15103201), Muskan Banthia (15103265), Shipra Goel (15103278)
16	Cancer Detection Using Automated Techniques	Vaibhav (15103226), Rishabh Gulati (15104067)
17	Image Processing and Text to Speech for Blind	Heba Khan (15103205), Saksham Angiras (15103275), Kunal Singhal (15103300)
18	Human Activity Recognition	Krishna Priya Nayak (15103091), Akash Kumar (15103168), Saurabh Gupta (15103193)
19	Spammers Detection on Twitter	Avneet Kaur (15103200)
20	Infant Monitoring	Rakshita Singh (15103215), Sarthak Sharma (15103365)
21	Distance Measurement	Aditya Lahiri (15103138), Yash Kumar Singhal (15103315)
22	Sentiment Analysis	Hari Dutt Parashar (15104040), Sonam Dema (15104072)
23	Stress Notifier System Using IoT and Machine Learning	Srijan Gupta (15103109), Udit Gupta (15103375)
24	VM Resource Scheduling for Cloud Computing	Deepanshi Garg (15103142), Anjali Gupta (15103317)
25	Personalised Video Assistance Provider	Mayur Aggarwal (15803010), Vaibhav Upadhyaya (15803029)
26	Pixel-X-Prism	Mohit Bindal (15103184)
27	Smart Number Plate Detector Using Machine Learning	Manas Agarwal (15803032), Rahul Agrawal (15803035)
28	Blockchain Creation and Conceptual Verification of Blockchain	Arshi Anand Gupta (15103034), Rishabh Gupta (15103048), Sudipta Singh (15103056)
29	M-Health Application- Medhelp	Mahima Narang (15104014), Charu Nigam (15104036)
30	Seizure Detection from EEG Using LSTM	Bhavika Aneja (15103036), Dhruv Mittal (15103038)

31	Music Generation Using GAN	Samyak Jain (15103154), Vedika Bhutani (15103166)
32	Automatic Plant Disease Detection	Uday Aggarwal (15103163), Siddhant Khandelwal (15103196)
33	Real-Time Driver Drowsiness Detection System	Sukrit Mehta (15103083), Parimal Mishra (15103147)
34	Hate-Speech Analysis	Bhavya Varshney (15103141), Jasleen Dhillon (15103144), Varn Gupta (15103164)
35	Time Killer	Abhishek Kumar (15803031), Mansi Gupta (15803033), Shivansh Srivastava (15803036)
36	API Recommendation System	Rashi Shukla (15103077), Iti Jain (15103143), Riya Singhal (15103273)
37	Attention Based Auto Question Answering	N Chaitanya Reddy (15103122), Parth Arora (15103127), Raghav Mehta (15103150)
38	Home Automation Using IoT	Harsh Kumar Singh (15103040), Saurabh Verma (15103052), Shashank Pal (15103053)
39	Detection of Anomalies Using Deep Learning	Ashi Sinha (15103291), Muhammad Shuja Reshi (15103302), Somika Rastogi (15103309)
40	Citation Recsys	Amit Kumar Singh (15803006), Rishabh Chanana (15803018)
41	Securing Medical Records of Patients Using Blockchain	Joy Sachdeva (15103145), Gagan Deep Pahuja (15104039)
42	Facial and Body Feature Tracker	Aditya Aggarwal (15103085), Shikhar Jain (15103105), Rishabh Govil (15103151)
43	Recognising Patterns in Computational Molecular Biology.	Aakash Verma (15803001), Mansi Goel (15803008), Nikitasha Sharma (15803011)
44	Exploratory Data Analysis	Akul Gupta (15103032), Lakshay Khanna (15103046)
45	Automatic Image Captioning	Rishabh Kanodiya (15103216), Smriti Mittal (15103222)
46	Chure Prediction & Analysis Using NLP	Deepak Gupta (15103066), Nikhil Nayak (15103074), Achintya Sharma (15103374)
47	Facial Expression Analysis Using Deep Learning	Vasu Arora (15103029), Arjun Singh Chauhan (15104006), Akhil Sharma (15104063)
48	Recommendation System	Richa Nigam (15803017), Rupali Jain (15803020)
49	Image Dehaze Using Globally Guided Image Filtering	Ishank Agarwal (15103041), Sarthak Joshi (15103102)
50	Image Captioning	Pritika Arora (15103076), Rishabh Agrawal (15103078), Anant Kulshreshtha (15103289)
51	Opinion Mining Spread Networks	Divya Singh (15104038), Lakshay Kumar (15104047)
52	Unravelling Regulatory Patterns of Life	Abhinav Jain (15803002), Rajat Parashar (15803016)
53	Visual Relationship Detection Using Scene Graphs	Himangi Mittal (15103322)
54	Evaluation of Docker Containers for Scientific Workloads in Cloud	Harshul Singhal (15103259)
55	Context Based Minutes of Meeting Generation in a Conversation	Shrey Batra (15103308)
56	Captcha Break Using CNN	Agrah Jain (15803004), Vardan Gupta (15803030)
57	Classification of Input Document in Indian IT Laws Using ML Techniques	Akshay Paliwal (15103006), Rupam Saxena (15103019), Tamanna Sharma (15103027)
58	Pneumonia Detection From Lung Segmentation of Chest X-Ray Dataset	Avinash Sharma (15103064), Shaunak Chadha (15103082)
59	IoT Deployments With Data Analysis	Raghav Maheshwari (15803014)
60	Improving the Performance of Hate Speech Detection Using ML Techniques	Dhruv Jain (15103202), Nikita Goel (15103211)
61	Image Caption Generator Using RNN and CNN	Sakshi Tandon (15803022), Shreya Tripathi (15803025), Pragya Saraswat (15803034)
62	Image Sentiment Analysis	Avikalp Srivastava (15103063), Prashant Shukla (15103075), Udit Goel (15103376)
63	Outlier Detection in Wireless Sensor Networks Using Trust Management	Charu Goyal (15103295)
64	HND Segregator	Hardik Rewari (15103203), Dhroov Batra (15103235)
65	IoT Enabled Smart Car Parking System With Blockchain Technology	Ruchir Pokharna (15803019), Shubham Yadav (15803027)

## Cyber Srishti 2019 – Coordination Team

### Faculty Coordinators



Manish K. Thakur  
Dept. of CSE/IT  
JIIT, Noida



Shamim Akhter,  
Dept. of ECE,  
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Tribhuwan K.  
Tewari, CSE/IT,  
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Ashwani Mathur,  
Biotechnology  
Dept. JIIT, Noida

### Student Coordinators

Atul Yeshwant Singh (3<sup>rd</sup>, CSE), Abdul Malik (3<sup>rd</sup>, CSE), Shubham Agarwal (3<sup>rd</sup>, CSE), Tulika (3<sup>rd</sup>, ECE), Himanshu Swami (3<sup>rd</sup>, ECE)

### Event Coordinators (Students)

Rohan / Mridul (Project Exhibition), Pradyum (Execute 19.1), Aman / Devanshi (Circuitrix), Ujjawal / Darshan (Capture The Flag), Medha / Rajat (Website Designing), Utkrisht / Anjali / Palak (Game-A-Thon), Prakhar / Asmita (Hydrophilic 4.0), Yukti / Prakhar (Poster Paper Presentation), Salil (Reflect), Atul (Jaypee Premier League & Treasure Hunt), Manan / Akshat (Tensor – Poster Presentation), Tulika / Jitesh (Jaypee Innovation Challenge), Utkrisht / Anjali / Aashtha (Game Exhibition), Ishita (Start-up Pitch Deck Competition), Himanshu / Utsav (Photo Exhibition), Rachit / Deepanshu (FIFA), Rohan / Damini (Who's The Next Sherlock), Aditi / Tushar (Make Your Masterpiece)

### Event Coordinators (Faculty)

Inauguration Ceremony: Chetna Dabas, Manish K Thakur, Shamim Akhter, Tribhuwan K Tewari, Ashwani Mathur

Project Exhibition: Indu Chawla, Shamim Akhter, Chetna, Vibha, Reema

Execute 19.1: Manish K Thakur, Ankita Wadhwa, Sherry Garg

Robotics Exhibition: Hema N.

Capture The Flag: Manish K Thakur

Circuitrix & Jaypee Innovation Challenge: Atul Srivastava

Jaypee Premier League: Shamim Akhter, Garima Mathur

Website Designing: Mahendra K Gurve

Game-A-Thon (Game Hackathon) & Game Exhibition: Prashant Kaushik

Photo Exhibition: Manish K Thakur, Ankita Wadhwa

Paper Presentation: Gaurav Verma, Ashwani Mathur, Vimal Kumar

Tensor (Poster Presentation): Anuraj Panwar

Start-up Pitch Deck Competition: Manish K Thakur, Shamim Akhter, Tribhuwan K Tewari, Ashwani Mathur

Hydrophilic 4.0, Make Your Masterpiece, Who is the Next Sherlock:

Ashwani Mathur, Chakresh K. Jain, Smriti Gaur

Reflect – The Socio Technical Turncoat: Puneet Pannu

FIFA: Shamim Akhter, Tribhuwan K Tewari, Ashwani Mathur

Treasure Hunt: Manish K Thakur, Shamim Akhter, Tribhuwan K Tewari

Performance Night: Chetna Dabas, Manish K Thakur, Shamim Akhter, Tribhuwan K Tewari, Ashwani Mathur

Closing Ceremony: Chetna Dabas, Manish K Thakur, Shamim Akhter, Tribhuwan K Tewari, Ashwani Mathur, Krishna Sundri, Smriti Gaur,

Report Compilation and Editing: Manish K. Thakur



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