



**JIS COLLEGE OF ENGINEERING  
KALYANI, NADIA**



# **Report**

On

**TEQIP Sponsored 3<sup>rd</sup> Technical Symposium**

**‘JISTech 2k17’**

In association with

**Stakeholders of**

**Russian Federation**





# JISTech2K17

**3RD INTERNATIONAL TECHNICAL SYMPOSIUM 2017**  
INAUGURATION OF **CENTER OF EXCELLENCE** IN ASSOCIATION WITH  
STAKEHOLDERS FROM **RUSSIAN FEDERATION**  
**(TEQIP SPONSORED)**

<http://www.jiscollege.ac.in/JISTech2k17/>



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# ACKNOWLEDGEMENT

On behalf of organizing committee, we would like to acknowledge our Principal Sir and all the HODs for their enormous guidance. We would also like to thank all the Faculty, Technical Assistant and staff members' subcommittee members of our JIS college of Engineering, for their enormous support. We are also thankful to nominated departmental coordinators, event organizers, sponsors, all the Industry persons and Jury members. We are thankful for the School teachers who came here. We would also like to thank the little boys and girls who came here to participate from several schools.

Thanking you all for your kind cooperation towards this successful event JISTech 2k17, the 3<sup>rd</sup> technical symposium of JIS College of Engineering, Kalyani. We would like to express our deepest appreciation to all those who helped us to make this event successful. It is a privilege and a great joy for us to extend thanks to all who contribute for this JISTech 2k17.

A special gratitude we give to our very own Sardar Jodh Iswar Singh, Chairman, JIS Group for his blessing.

Respected Mr. Taranjit Singh, Managing Director, JIS Group whose contribution in stimulating suggestions and encouragement helped us in coordinating the program in such fluency. Furthermore, we would also like to acknowledge with much appreciation the crucial role of our respected Sila Madam. Her enthusiastic inspirations motivate us to make this event success.

And last but not the least our students, Thank you very much for enormous participants. We definitely thank the exhibitors and volunteers for their enthusiastic effort on JISTech 2k17.

Thanking you in anticipation.

On Behalf of Organizing Committee:

**Dr. Biswarup Neogi**  
**Convener, JISTech 2K17**

## About JISTech 2K17

JIS College of Engineering, Kalyani is the first Autonomous self-financed college of West Bengal organizing various National and International seminars throughout the academic calendar. The 3<sup>rd</sup> Technical Symposium 'JISTech 2K17' was organized by JIS College of Engineering, Kalyani on 25<sup>th</sup> February, 2017 at the campus, it was unique and one of its kind as it brought together an amalgamation of 30 Schools, 20 Colleges, 10 Departments and 5000 Students from Schools and Colleges showcasing the spirit of knowledge through innovation at the same podium.



The Technical Symposium was inaugurated by Dr. Manpreet Singh Manna, Director, AICTE; Mr. Taranjit Singh, Managing Director, JIS Group along with JIS management team and the Russian delegates were welcomed.

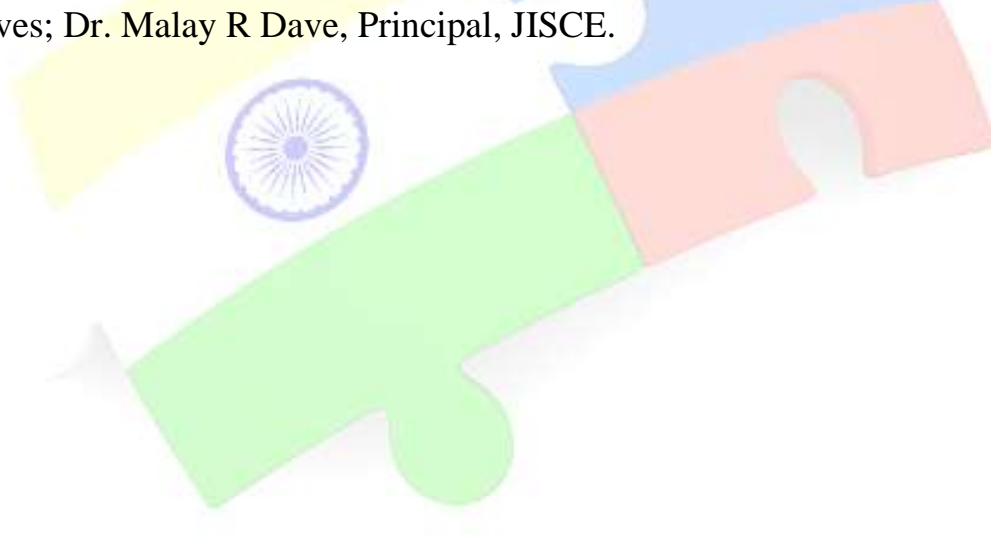
'JISTech 2K17' was the place where high profile delegates visited. The inauguration of 'Centre of Excellence' in our college campus happened with the stakeholders of Russian Federation. The students witnessed many Russian delegates from different Russian Universities.

Students exhibited their innovative projects not in the manuscript format, but in the way of presentable first prototype design format. The Russian Delegates

visited the exhibition area whole heartedly and they also encouraged the students. They were very much impressed by the innovative works and the enthusiasm among the students. They also visited our college campus and were very delighted to see the various activities going on.

Dr. Manpreet Singh Manna, Director, AICTE, expressed his innate contentment by stating about the Live Projects that were transformed into reality by the Students and the Faculties of JIS College of Engineering, Kalyani. Through their valuable advice the symposium turns out to be a big successful event. Students discussed their plans with the delegates. Students were encouraged towards the start-up processes form the industrialist personalities.

Delegates present in the Technical Symposium were Dr. Manpreet Singh Manna, Director, AICTE; Mr. Taranjit Singh, Managing Director, JIS Group; Mr. Simarpreet Singh, Director JIS Group, Mr. U. S. Mukherjee, Deputy Director, JIS Group; Mrs. Sila Singh Ghosh, Vice President -Corporate Relations, JIS Group Mr. S. S. Dutta Gupta, Director, JIS Group Educational Initiatives; Dr. Malay R Dave, Principal, JISCE.



## Russian Delegates present at the JISTech 2K17

- **Ms. Liudmila I. Kornaukhova**, Deputy Director General Russian-Indian S&T Centre.
- **Dr. Sergey Ya. Sukonkin**, Director General “Russian Indian S&T Centre”.
- **Dr. George A. Gabrielian**, Director, IAAMD, RosNou.
- **Dr. Svetlana V. Dunchevskaya**, Direct General Research & Production Enterprise “FORT XXI”.
- **Prof. Sergey M. Nikitenko**, Head of laboratory, FSBIC.
- **Prof. Vladimir A. Zernov**, Chancellor, Russian New University, Moscow.
- **Prof. Engeniy A. Palkin**, Vice Chancellor, Russian New University, Moscow.
- **Prof. Alexander S Shalumov**, Director General Scientific Research Institute “ASONIKA”.
- **Anna Sharnikova**, Director of the CIE, MIPT Moscow.
- **Ms. Irina Obukhova**, Dy Head, CIE, MIPT Moscow.

‘JISTech 2k17’ was a Technical Symposium which was organized to provide an excellent platform to showcase all kinds of technical talents. From the Organizing Committee of ‘JISTech 2K17’, it was stated that the event aimed at encouraging the innovative as well as intelligence quotient of the participants to the pinnacle, as Technical Symposium is not only interesting as well as enlightening for aspiring students. The endeavor of the Symposium is to endow with a platform for the budding intellectuals to participate and compete amid the best of innovative minds and flourish with flying colors. The Symposium presented with a holistic approach towards the Educational fraternity.

‘JISTech 2K17’ was comprised of Inter Department Model Exhibition at Institute Level, Inter School Model Exhibition, Inter College Model Exhibition, Code Fluenza, Debate Competition, Aim to glory(the gaming competition), Robotics, Quiz, B-Plan, Live health check-up camp& Photography Exhibition. There was a special cultural program organized on theme ‘India ’ in the B. C. Roy Auditorium of the college which was attended by the Russian delegates, other dignitaries, faculties and the college students. The Russian delegates were mesmerized by seeing the performances and how good the students presented the colourful India.

# Organizing Committee Details

Date: **25th February, 2017**

Venue: **Play Ground, in front of B.C. Roy Auditorium**

Model Presentation by:       **Schools**  
  **Colleges**  
  **Each Department of JISCE**

## *Organizing Committee (Faculty, Staff Members & Students)*

Chief Patron:       **Mr. Taranjit Singh, Managing Director, JIS Group.**

Patron:               **Mr. S. S. Dutta Gupta, Director, JIS Group.**

Mentor:              **Dr. Malay R Dave, Principal, JISCE.**

**Mrs. Sila Singh Ghosh, VP, JIS Group & Registrar,  
JISCE.**

Local Advisory Committee:   **Dr. Somsubhra Gupta, Dean Academic  
Affairs.**

**Dr. Sabhyasachi San, Dean R&D.**

**Dr. Swapan Bhattacharya, Dean Student  
Affairs.**

**Dr. Subrata Kumar Mitra, Registrar Exam  
Section.**

**Dr. Prasanta Kumar Bardhan, HOD, ME**



**Convener: Dr. Biswarup Neogi, Associate Prof., Dept. of ECE & In-Charge, CII Center for Innovation, JISCE**

**Co Convener: Dr. Sandip Bag, Assistant Prof., Dept. of BME.**

**Joint Secretary: Mr. Sudipta Sahana, Assistant Prof., Dept. of CSE.  
Mr. Tanmoy Mazumder, Executive – Corp. Relation  
Ms. Debasree Mitra, Assistant Prof., Dept. of CSE.**

**All Events Coordinator: Mrs. Thia Pal, TIC, ME**

<b>Sl. No.</b>	<b>Name of Event</b>	<b>Event Coordinator</b>
1	Debate Competition	Ms. Madhura Chakraborty Dr. Rimi Ghosh, AP, EIE
2	Robotics	Dr. Indranath Sarkar, Asso Prof. ECE Mr. Anirban Ghoshal, AP, ECE
3	Code Fluenza	Mr. Aniruddha Biswas Mr. Sumit Das, AP, IT
4	B. Plan	Ms. Swati Pal, AP, CMS Mr. Nilotpal Halder, AP, ECE

<b>Sl. No.</b>	<b>Working Committee</b>	<b>Coordinator</b>	<b>Active Members</b>
1	Coordinator between various Schools	Dr. Karabi Ganguly , HOD, BME	Members from different Dept.
2	Coordinator between various Colleges	Mr. Soumyabrata Saha, TIC, IT	Members from different Dept.
3	Coordinator between various Departments of JISCE	Ms. Ranjana Ray, AP, ECE	Departmental / Centre Coordinators  CE Dept. – Mr. Sudipta Naskar BME Dept. – Mr. Souvik Das CSE Dept. – Mr. Apurba Paul IT Dept. – Mr. Sumit Das ECE Dept. – Mr. Bikash Dey EE Dept. – Mr. Sudip Das ME Dept. – Mr. Shisir Biswas Basic Science Dept. – Dr. Swagata Bhattacharya, Mr. Tanmoy Dutta, CA – Rajdeep Choudhury MBA Dept. – Mr. Avik Sanyal CII Center for Innovation – Mr. Sajal Paul , Mr. Dhiraj Mondal, Training & Skill Development – Dr. Indranath Sarkar Mr. Arindam Banerjee
4	Committee for selection of projects	Mr. Amrut Ranjan Jena, HOD, CSE	Dr. Rimi Ghosh, AP, EIE Mr. Anirban Patra, AP, ECE Mr. Nilotpal Halder, AP, ECE Mr. Prabir Guha Thakurata, Store

5	Programme Committee	Dr. Meghamala Datta, COE, JISCE	Dr. Anindya Guha, AP, HU Dr. Subhomoy Singha Roy, AP, Phy Ms. Suparna Dasgupta, AP, IT Ms. Madhusmita Mishra, AP, CSE & Student Volunteer
6	Reception & Registration Committee	Dr. Swagata Bhattacharya, AP, Phy	Mrs. Ira Nath, AP, CSE Mr. Soumen Ghosh, AP, EIE Ms. Anwasha Banerjee, AP, IT Ms. Moumita Pal, AP, ECE & Student Volunteer
7	Infrastructure, Venue Preparation Committee & Photography Committee	Mr. Debashis Sanki, AP, IT	Mr. Proloy Ghosh, AP, IT Mr. Munshi R. Ishlam AP, ME Mr. Mrinmoy Dam, AP, Math & Student Volunteer
8	Publication Committee	Dr. Papun Biswas, HOD, EE	Mr. Partha Ray, AP, EE Dr. Rakesh Sinha, AP, CSE Mr. Arijit Patra, AP, ME Ms. Samayita Sarkar, AP, ECE
9	Invitation, Webpage Management, Suggestion & Feedback Management Committee	Prof. Swapan Bhattacharya, Dean Student Affairs	Mr. Biswamoy Pal, AP, EE Mr. Sumit Das, AP, IT Mr. Partha Das, AP, EE & Student Volunteer
10	Refreshment Committee	Mr. Rupak Bhattacharya, AP, Math & Ms. Sraboni Biswas, Secretary to Principal	Mr. Debasish Majumdar, AP, Math Mr. Aniruddha Ghosh, AP, ECE Mr. Sumindar Roy, Admin Dept.

11	Transportation Committee	Mr. Debashis Sanki, AP, IT & Mr. Praloy Ghosh, AP, IT	Mr. Sumanta Chatterjee AP, CSE Mr. Palash Biswas, AP, ME  Student Volunteer
12	TEQIP, Sponsorship & Budget Committee	Dr. Somsubhra Gupta, Dean Academic Affairs	Mr. Santanu Mondal AP, Math Mr. Subhajt Basu Chowdhury, AP CMS Mr. Subham Ghosh, AP, ECE
13	Campus Visit & Image building Committee	Mr. Saikat chakraborty, Admin Dept.	Mr. Uttiya Kar, AP, CMS Mr. Annya Barman AP, Chem Ms. Rupashri Barik, AP, IT Mr. Suwendu Banerjee, System Admin
14	Administration & Emergency Help Desk	Mr. Pranab Giri, Manager Admin	Mr. Saikat chakraborty, Admin Dept. Ms. Moumita Aich, HR Dept. Ms. Ruma Ghosh, Admin Dept.
15	Volunteer	Mr. Rajdeep Chowdhury, AP, CA; Mr. Apurba Paul, AP, CSE	Student Volunteer
16	Cultural Program Committee	Mrs. Sonali Bhattacharya	Ms. Madhura Chakraborty Mrs. Annanya Barman

# **Program Execution Details of JISTech 2k17:**

## ***Program Schedule***

**Date: 25th February, 2017**

**Venue: JIS College of Engineering, Kalyani**

10:00 a.m.: Welcome of Russian Delegates at JISCE.

10:15 a.m.: High Tea.

10:30 a.m.: Judgment Commencement by Jury Members.

11:00 a.m.: Inauguration of Centre of Excellence.

11:30 a.m.: Visit JISTech 2K17 School Pavilion.

12:00 p.m.: Visit JISTech 2K17 College Pavilion.

12:30 p.m.: Visit JISTech 2K17 JISCE Departmental Pavilion.

01:00 p.m.: Campus Visit (Including all Infrastructural facilities).

01:30 p.m.: Lunch.

02:30 p.m.: Departure of Russian Delegates from JISCE.

04:30 p.m.: Valedictory Session.

05.15 p.m.: Vote of Thanks.

## Event Schedule

Event Name	Venue	Time
Debate Competition	Room Number – 304 (Main Building)	12:00 noon
Code Fluenza	Lab-4 (206) & Lab-5 (207) (Main Building)	10:30 a.m.
B-Plan	Conference Hall (CMS Building)	12:00 noon
Robotics	Robo Arena (CMS Building Room No: 206 and Play Ground)	11:45 a.m.
Aim To Glory	Lab-7(220) & Lab-8 (219) (Main Building)	12:00 noon

## Detail on Program Execution

It was 24<sup>th</sup> February late night when we left the college campus with hope of a big success from JISTech 2k17. And as we thought, everything was on time and on the next day the college campus was ready to make the event successful with volunteers and exhibitors at their respective places around 9:00 am.

*25<sup>th</sup> February, 2017:*

**10:00 am:** Registration desk was to ready to register different students with their projects. Registration desk was divided into three sections, one for school students, one for outside college exhibitors and the last one for the college department exhibitors. Registration was done in full-fledged. Also the buses were filled with school students accompanied by their teachers and parents. Our college parking lot was almost full. Our volunteers directed them in the respective queues and lead them in a particular place where they instructed to take a tour on our technical symposium in college playground.



**10:30 am:** Heavy crowds started to enter the college. Big queue were there in front of the registration desk to register their respective projects along with their personal details. After some time Dr. Manpreet Singh Manna arrive at college as a chief guest and also there were Russian Delegates. Everyone was amazed to see them.



**11:00 am:** Inauguration of Center of Excellence was done by Ms. Liudmila I. Kornaikho and Dr. Manpreet Singh Manna. It was very pleasant experience for us. The whole atmosphere was surrounded by their thoughts and ideas. They also shared their point of view regarding the Center Of Excellence and praised our college for establishing one.



**11:30 am:** The school pavilion was also visited by our Chief Guest and the Russian Delegates. Various school presented their projects and models at the school pavilion stalls. All school students had taken keen interest in their projects. Many of

them are also appreciated by the Delegates. Several prizes are also given to them for their outstanding works.



**12:00 pm:** There was also a section for college pavilion in which students from outer college displayed their projects and models. It was also visited by the chief guest and the Russian delegates. There was a great enthusiasm in all the students displaying their works. The guest was also delighted to see the projects and patted the back of the students.



**12:00 pm:** There was also the departmental pavilion in which students from our college have their projects and models in their respective stalls. Every department has its own respective stalls. There was a huge crowd in front of every departmental store to see their projects. The students had explained their projects to all with



great enthusiasm.

**01:00 pm:** The Russian Delegates and also the Chief Guest took our campus visit. They saw all the infrastructural facilities the college is providing. They had also taken the internal view of the campus and were very happy to see the number of labs and classes. They also saw the library and were very pleased to see the large collection of books in different categories.



**01:30 pm:** During this time, lunch was served to our Chief Guest and the Russian Delegates. All the students and teachers also enjoyed the noon meal.

**02:30 pm:** Now the time came when we had to say goodbye to our Delegates and the chief guest. They had taken a whole trip from starting of JIS Tech 2k17 till end and enjoyed thoroughly their day. The organizing committee of our college dropped them at their hotels in very peaceful manner and promised to meet soon.

**04:30 pm:** The day came to an end. All the things that are scheduled were executed accordingly in their respective time. Now the head of the organizing committee along with the principle and Ms. Sila Singh Ghosh ended the 2k17 tech fest by giving their Valedictory Speech.

**05:15 pm:** Vote of thanks was given at the end of the day.

## Outcome of JISTech 2k17

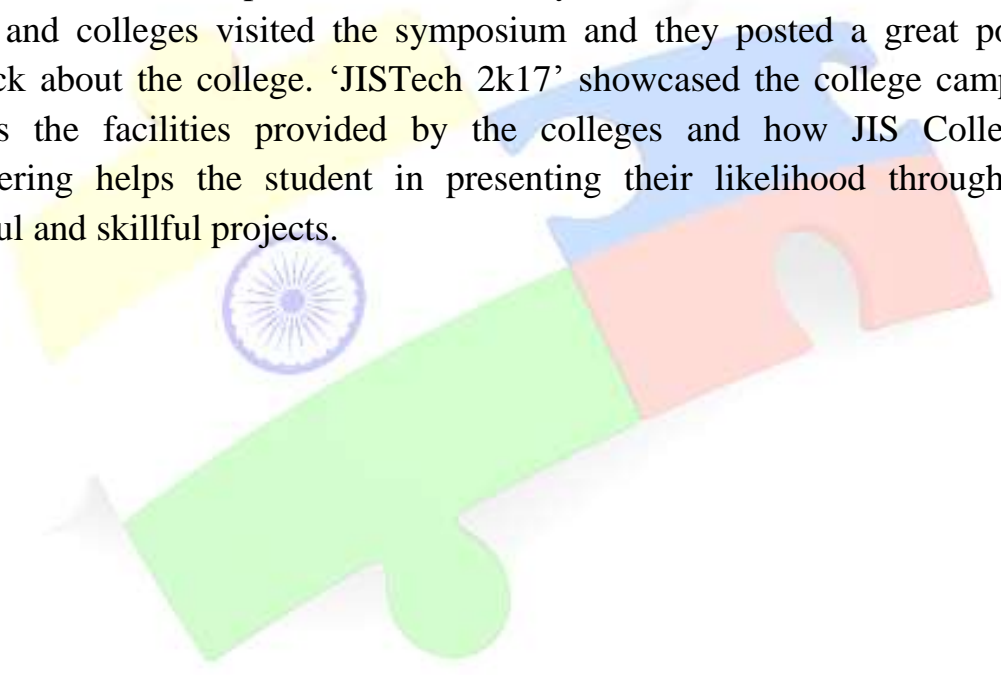
‘JISTech 2K17’, the 3rd technical symposium (TEQIP Sponsored), provided a big platform for students. There was an Inauguration Ceremony for “Center of Excellence” with stakeholders of Russian Federation. ‘JISTech 2K17’ provided something beyond the curriculum. The students gained lot knowledge from it. It helped students to come up with great innovative ideas and implementing it. Proper guidance in provided on the field of stage presentation, model presentation. The Russian Delegates visited the exhibition area whole heartedly and they also encouraged the students. They were very much impressed by the works and the enthusiasm among the students. They also visited our college campus and were very delighted to see the various activities going on.



‘JISTech 2K17’ was a big success. About 30 schools, 20 colleges, 10 departments and 5000 students from schools and colleges showcased the spirit of knowledge through innovation on a single platform. Over 100+ models were exhibited by students of schools and colleges. Competitions were held between these school and college exhibitors. Every exhibitor was provided with accolades and the bests were picked up for real life models.

On the view of the outcome, this event projects our JIS College of Engineering as a well-established and organized educational hub to the huge numbers of little school students came to our premises. This symposium witnessed the enthusiastic participation of over more than 500 students from different colleges and schools over 5 events that tested their wits and abilities. The following are the events that were organized as part of the symposium: Debate Competition, Code Fluenza, B-plan, Robotics, and Aim to Glory (Gaming Competition).

‘JISTech 2k17’ showed the way to practicality. Students got a great opportunity to showcase their innovations. All were mesmerized by the environment. Students, who used to have a fear of presentation, presented their model very easily. ‘JISTech 2k17’ provided that friendly behavior. Teachers from different school and colleges visited the symposium and they posted a great positive feedback about the college. ‘JISTech 2k17’ showcased the college campus as well as the facilities provided by the colleges and how JIS College of Engineering helps the student in presenting their likelihood through their beautiful and skillful projects.



# Photo Gallery of JISTech 2k17







# **Report on Computer Science and Engineering Departmental Stall**

## ***About Computer Science and Engineering Departmental Stall in JISTech 2k17:***

This year the students and the faculty members of the Department of Computer Science and Engineering participated in the event JISTech 2k17 with lots of dedication and enthusiasm like previous year under the guidance of Mr. Amrut Ranjan Jena, Head, Department of Computer Science and Engineering. Mr. Apurba Paul was the departmental coordinator and coordinator of Volunteer committee of the event. The committee head for selection of projects was Mr. Amrut Ranjan Jena. Mr. Sumanta Chatterjee was the member of the Transportation Committee for the event. Mrs Ira Nath was the member of Reception and Registration Committee of the event. More than 30 different project proposals were submitted for the selection process, out of which 14 best projects were finally selected to display in the said event.

## ***Nominated Departmental Coordinators Name and Designation***

Apurba Paul,

Assistant Professor, Department of Computer Science and Engineering.

## ***Head of the Department Name:***

Mr. Amrut Ranjan Jena

## *Picture Gallery of Departmental Stall*





## *Achievement in JISTech 2k17*

### *About Best Project Model of Computer Science and Engineering Departmental Stall*

Name of the Project: **Home Automation system using a simple Android App**

Project Members: **1. Mrinmoy Bairagya  
2. Nuzhat Shamim**

#### *Details about the Project:*

Now a day's people have Smartphone with them all time. So it makes sense to use these to control home appliances. This Project is a Home Automation system using a simple Android app which people can use to control electrical appliances with clicks or voice commands. Commands are sent via Bluetooth to Arduino UNO. So people need not get up to switch on or switch off the device while doing some work.

#### *All the Overall Project Model Details*

<b>SL. No.</b>	<b>Title of the Project</b>	<b>Faculty Mentor/Guide Name</b>	<b>Student Names</b>
1	Automated Object Tracker and Follower	Mrs Madhuchhanda Dasgupta	Pijush Kanti Dhara(9734937218)
			Madhumita Acharya()
			Sudip Kumar Sihi(7890387614)
			Sumit Verma(7979884963)
2	Hybrid Solar Wind Twin Charger for Mobile	Mr Sudipta Sahana	Pijush Kanti Dhara(9734937218)
			Kaushik Kumar(9804354237)
			Shrabanti Saha(9674543317)
			Aniket Kumar
3	Advanced Controlling of PC via Android device	Mr Sudipta Sahana	Ayush Raj
			Sanchita Lakshmi Pal(7278430370)
			Sayandeep Basu(7687051205)
			Suvam Basak(9051446080)
4	Propeller Clock using Arduino	Mr Sumanta Chatterjee	
			Prateek Das(8013038166)
			Rajit Basu(9679603054)
			Swatilekha Nag(8759644660)
Suchismita Sadhukhan(9002774522)			
Sayan De(7501548448)			

5	Temperature Monitoring and Controlling using Arduino	Mr Sumanta Chatterjee	Trisha Chakraborty(8583844401)
			Suchismita Gupta(8622862296)
6	Home Automation(Based On Android App) Via Bluetooth  (Speech Reorganization Included)	Mrs Madhuchhanda Dasgupta	Arnab Biswas(8240945815)
			Niladri Shekhar Pal(8622921808)
			Adit Jana(9732841909)
			Kaustav Kumar Mondal(7059748329)
7	Game using Python	Mrs Madhuchhanda Dasgupta	Arnab Biswas(8240945815)
8	Wired Control Robot	Mr Anirban Ghoshal	Manisha Kumari(9038643435)
			Nilesh Kumar(7603034123)
			Madhavi Kumari(9681984212)
			Kajal Kumari(9062180324)
10	Android Development	Mr Amrut Ranjan Jena	Kislay Kumar(9570797098)
			Aman Adarsh(8210596023)
11	Home Automation system using a simple Android App	Mr Apurba Paul	Anshu Kumar Shandilya(8621920118)
			Mrinmoy Bairagya(7501228631)
12	Spidomarine	Ms Debasree Mitra	Nuzhat Shamim(7980203959)
			Mrinmoy Bhaumik(8584898090)
			Barun Kumar Sen(7797674320)
			Nivedita Pandit(7980783016)
13	Obstacle avoiding Robot using Ultrasonic Sensor	Mr Sumanta Chatterjee	Nilay Basak(8609991660)
			Suraj Kumar Shaw(8101139969)
			Rup Saha(7059123298)
			Sonu Kumar Singh(7003097475)
14	Locomotor	Mr Sumanta Chatterjee	Sumit Verma(7059779151)
			Shubham Singh(8100148586)
			Sruti Kulshrestha(8583848027)
			Rup Saha(7059123298)

# **Report on Electronics and Communication Engineering Departmental Stall**

*About Electronics and Communication Engineering Departmental Stall in JISTech2k17*

*Nominated Departmental Coordinators Name and Designation*

Mr. Bikash Dey

Assistant Professor

**Head of the Department Name:**

Dr. Swapan Bhattacharya

*Picture Gallery of Departmental Stall:*





*Achievement in JISTech 2k17: (if any like best Department or others)*

### *About Best Project Model of Departmental Stall*

**Title:** “Advanced Microcontroller based four way dual mode traffic light control system”

**Students:** Swagata Bandyopadhyay, Sarada Pal, Sradha Roy, Pankaj Choudhary

**Guide:** Mrs Moumita Pal

## *All the Overall Project Model Details*

SL. No.	Title of the Project	Faculty Mentor/Guide Name	Student Names
1	Automatic traffic control system without micro controller	Arindam Banerjee, Aniruddha Ghosh, Maiuck Das	Pratyush raj
			Priyanka chaterjee
			Tanisa mallick
			Tapasi poddar
			Sudip banerjee
2	Speech Recognition based Home Automation.	Bikash Dey	Shagufta Talaat Nasir
			Satyajit Fadikar
			Sohini Pal
			Shrya Swarup
			Kumari Nicky
			MD Faiyaz Ahmad
3	Automatic Character Display using 7 segment LED display	Arindam Banerjee	Tohid parvez
			Aneek Das
			Anirban Das
4	Automatic Power Resumption Alarm	Moumita Pal	Jaydeep Bhunia
			Pallab Halder
			Gourab Sen
			Krishna Chakraborty
			Barnali Roy
5	Automatic street light	Dr. Indranath Sarkar	Kiranjyoti Deb
			Arpana Kumari
			Pritam Adhikary
			Sankha Ghosh
			Debopriyo Bhowmik
6	Variable Speed DC Motor Based Vehicle Launch	Gautam Lohar	Souvik Roy
			Rajdeep Das
			Sabyasachi joarder
			Santanu bose
			Saikat bhowmik
7	Advanced Microcontroller based four way dual mode traffic light control system	Moumita Pal	Ranish mitra
			Vishal saha
			Swagata Bandyopadhyay
			Sarada Pal
8	Home Appliance switching using Smartphone	Dr. Rakesh Sinha	Sradha Roy
			Pankaj choudhary
			Sudip Prakash Dhara
			Payel Tarafder
			Patrali Bhattacharya
			Umme Habiba Sardar

9	Automatic railway crossing management	Anirban Ghosal	Sudip chakraborty
			Sucharita maity
			Sulata dey
			Aslam hossain molla
			Gourav kumar
10	Dtmf controlled robot vehicle	Anirban Ghosal	Biswarup dutta
			Animesh pal
			Karuna ketan haldar
			Koushik tokdar
			Sandipan ghosh
11	Controlling Servo Motor by Wireless System	Anirban Ghosal	Brendra nath mondol
			Palash kumar singh
			Dipra mukherjee
			Kumar bipul
			Supratim chakraborty
12	Clap controlled light switching	Anirban Ghosal	Subham saurav
			Sushil tigga
			Saurabh kumar
			Rahul Ranjan
13	Temperature controlled cooling fan	Dr. Indranath Sarkar	Rajdeep chatterjee
			Raju Mondal
14	Smart Blind Stick	Dr. Indranath Sarkar	Abhishek Nath
			Arunava Dutta
15	Obstacle Avoidance Vehicle	Dr. Indranath Sarkar	Arghya Ghanteswari
			Avijit Saha
			Saswati Ghosh
			Suvojit Roy
16	Distance Measuring device using Ultrasonic Detector	Dr. Indranath Sarkar	Soumyadip Pal
			Sk. Sohel Ahmed
			Shivam Sarkar
			Sangeetha Das
			Shreyasi Modak
			Tanoy Pandit

# Report on Information Technology Departmental Stall

## *About Information Technology Departmental Stall in JISTech 2k17*

The “JISTech 2k17” is a special type of program with different flavor. Students of IT are exhibited their innovative projects in the stall and demonstrated accordingly with the help of manuscript, prototype. On the view of modification of our traditional study processes this event has been designed towards the improvement of hands-on engineering experience of our students.

“JISTech 2k17” is one of the prestigious competitions held at Tech Fest Organized by JIS College of Engineering every year where participants comes from various Engineering institutes of West Bengal and deliver their excellence.

## *Picture Gallery of Event Code Fluenza in JISTech 2K17:*



### *Project Details*

SL. No.	Project Code	Title of the Project	Faculty Mentor/Guide Name	Student Names
1	IT1	Wireless Mail notifier	Suparna Dasgupta	Tanusre Maji
2	IT2	Load Balancing	Annwasha Banerjee	Suvojit Sil
				Aditi Mondal
3	IT3	Weather Prediction	Suparna Dasgupta	Suman Kumar Das
4	IT4	RFID based Student attendance	Sumit Das	Saptarshi Barat
				Debarka Chakraborty
				Soumadeep Khan
				Arghya Das
5	IT5	Mini CNC plotter machine	Soumaya Brata Saha	Syantunu Mandal
				Sudip Rana
				Sudipta Kr. Ghosh
				MD. Inayat Hussain
6	IT6	My Medicine Notifier	Annwasha Banerjee	Kakali Das
				Chandrima Ganguly
				Debjani Ghosh

#### *Departmental Winner*

IT1-Wireless Mail Notifier



# **Report on Biomedical Engineering Departmental Stall**

## ***About Biomedical Engineering Departmental Stall in JISTech 2k17***

The Biomedical Engineering Department at JIS College of Engineering, Kalyani is among the largest of its kind in West Bengal and is home to award-winning faculty, exceptional students and numerous research activities and laboratories engaged in an array of interdisciplinary biomedical activities. The mission of the Biomedical Engineering Department is to create a fusion of engineering and the life sciences that promote scientific discovery and the invention of new technologies and therapies through research and education.

In the above context, Biomedical Engineering Department of JIS College of Engineering exhibited highly innovative health care system related engineering models at its stall in JISTech2K17. In Biomedical engineering stall, three superb engineering models namely, **“ELECTRONIC BIOHEART”**, **“ULTRACANE”** and **“BE SAFE! BE ISOLATED”** were exhibited. The department also arranged a Live Project designated as **“HEALTH CAMP”** at the Medical Inspection Room of the Institute. All the faculty members, technical staff and 33 Project Model Exhibitors (Biomedical Engineering students including B.Tech 2nd year to 4th year) actively participated and brought a great vivacity and success in JISTech 2K17 on behalf of The Department of Biomedical Engineering, JIS College of Engineering, Kalyani.

## ***Nominated Departmental Coordinators Name and Designation***

Mr. Souvik Das,

Assistant Professor

## ***Head of the Department Name:***

Dr. Karabi Ganguly

*Picture Gallery of Biomedical Engineering Departmental Stall*





*Picture gallery of HEALTH CAMP in MI Room*





*Achievement in JISTech2k17: (if any like best Department or others)*

- Awarded “Best Department” in JISTech2K17 (2<sup>nd</sup> time in JISTech after 2016)
- The Model entitled “ELECTRONIC BIOHEART” was awarded as the Departmental Best Project from Dept. of Biomedical Engineering in JISTech2k17
- The Model entitled “BE SAFE! BE ISOLATED” was awarded as the Best Project with Societal Contribution.



*The Moment of Winning the Awards of Best Department,  
Departmental Best Project and Best Project with Societal  
Contribution in JISTech2K17*



*About Best Project Model of Biomedical Engineering Departmental Stall*

The best project model entitled “**ELECTRONIC BIOHEART**” supervised by **Dr. Sandip Bag** from Dept. of Biomedical Engineering in JISTech2K17 has greatly attracted and stirred the minds of academicians and dignitaries from other engineering colleges including JISCE and Medical Health-care Industries, respectively. Students of different schools were also impressed by this model. The judges have also encouraged biomedical engineering students to develop this type of models in future.

## *All the Overall Project Model Details*

Sl. No.	Title Of The Project	Faculty Mentor/Guide Name	Student Names
1	Electronic Bio heart	Dr. Sandip Bag	Arindam Bhattacharya
			Sweta Parui
			Mitul Chakraborty
			Ashmita Bera
			Ashish Singh
2	Ultra cane	Mr. Souvik Das	Arnab Mitra
			Chandan Mukherjee
			Arpita Bose
			Shreya Biswas
			Udita Shukla
3	Be Safe! Be Isolated	Dr. Meghamala Dutta & Dr. Karabi Ganguly	Rituraj Roy
			Manisha Majumdar
			Shounak Nandi
			Supriya Jana
			Shaikh Inzamamul Hoque
4	Health Camp ➤ 3-Para Monitor  ➤ Spiro meter	Dr. Meghamala Dutta Dr. Karabi Ganguly Dr. Sandip Bag  Mr. Souvik Das & Mr. Gourango Halder	Pranjal Bandyopadhyay
			Doyeli Chakraborty
			Nimisha Das
			Suman Jana
			Aditi Das
			Sayani Sarkar
			Tanushree Singh
			Priyanka Shaw
			Biplab Mandal
			Sourav Chakraborty
			Rashmie Gurung
			Sreetama Das
			Ritik Garg
			Partha Adhikary
Prakash Paul			
Sourojit Sen Sharma			
Koumudi Bhattacharjee			
Shrestha Bardhan			

### **Any others Information:**

Being the Departmental Coordinator, I would also like to convey my thanks to all faculty members, technical staff, students of Dept. of Biomedical Engineering and Organizing Committee Members of JISTech2K17 for their continuous and unified supports which have greatly helped us to achieve the glory of **“Best Department” in JISTech2K17.**

# Report on Mechanical Engineering Departmental Stall

## *About Mechanical Engineering Departmental Stall in JISTech2k17*

JISTech2K17 has been organized by the JIS College of Engineering on 25<sup>th</sup> February, 2017 at JIS playground. Students of Mechanical Engineering Department also have taken active participation in the above mentioned Tech Fest. They have carried out their investigation on several industrial equipments and presented few models along with their innovative ideas. During their work, we have found them very sincere and energetic. After the completion of their project, they have gained theoretical as well as practical knowledge and enjoy momentous achievements. Their model may contribute a new direction and dimension to the development of industrial equipments.

## *Nominated Departmental Coordinators Name and Designation*

Mr. Shishir Kumar Biswas,

Assistant Professor

## *Head of the Department Name:*

Dr. Prasanta Kumar Bardhan

## *Picture Gallery of Mechanical Engineering Departmental Stall*









*Achievement in JISTech 2k17: (if any like best Department or others)*

Best Innovative Project: **Zero Cost Refrigeration Using LPG**

*About Best Project Model of Mechanical Engineering Departmental  
Stall*

### **Agricultural Bot**

In future the thing will be aid to human for agriculture purpose. It helps to cultivate in a land and place seed on the field. It will also replace the tractor in future. The outcome of this BOT is that to reduce human efficiency in agriculture field and also help in crop implantation and soil digging.

### *All the Overall Project Model Details*

SL. No.	Project Code	Title of the Project	Faculty Mentor/Guide Name	Student Names
	ME01	Zero Cost refrigeration Using LPG	Dipak Shaw, Sumanta Banerjee	<ol style="list-style-type: none"> <li>1. Pritam Das</li> <li>2. Tushar Dey</li> <li>3. Amit kumar gain</li> <li>4. Rajesh Mukhopadhyay</li> <li>5. Shivashis dey</li> <li>6. Gulam Waquar Ashraf</li> </ol>
	ME02	Arduino Obstacle Avoiding Robot	Shishir Kumar Biswas	<ol style="list-style-type: none"> <li>1. Anubhav Nandi</li> <li>2. Gopal Das</li> <li>3. Avishek Sanyal</li> <li>4. Sushmita Shaw</li> <li>5. Debadrita Bhattacharjee</li> <li>6. Rakesh Banik</li> </ol>
	ME03	Agricultural Bot	Shishir Kumar Biswas	<ol style="list-style-type: none"> <li>1. Ayan saha</li> <li>2. Soumit Kundu</li> <li>3. Kuntal Biswas</li> <li>4. Bisant Das</li> <li>5. Auropriyo Barman</li> <li>6. Souvick Mukherjee</li> <li>7. Buddha Deb Debnath</li> <li>8. Pritam Das</li> <li>9. Ankit Kumar Roy Chowdhury</li> </ol>
	ME04	All Terrain Robot	Shishir Kumar Biswas	<ol style="list-style-type: none"> <li>1. Ankit kumar Roy Chowdhury</li> <li>2. Ayan Saha</li> <li>3. Auropriyo Barman</li> <li>4. Pritam das</li> </ol>
	ME05	Wheg Robot	Shishir Kumar Biswas	<ol style="list-style-type: none"> <li>1. Naved Auzum</li> <li>2. Nasir raja</li> <li>3. Sayak basak</li> <li>4. Kunwar Adwitiya</li> <li>5. Shubhojit</li> </ol>

				Bhattachrjee
ME06	Hover Board	Dhiraj Mondal	1. S.Sarim Iqbal	
			2. Shubham kumar	
			3. RajatKumar	
			4. Sanjay Kumar	
			5. Zeeshan Altamash	
			6. Tarakeshwar Goswami	
			7. Subhojit Pramanik	
ME07	Exoskeleton Mechanical Chair	Shishir Kumar Biswas	1. Kushal Kr Poddar	
ME08	Arduinio CNC Plotter Machine	Shishir Kumar Biswas	1. Gopal Das	
			2. Anubhab Nandi	
			3. Rakesh Banik	
			4. Avishek Sanyal	
ME09	Mini Wind Turbine	Arijit Patra	1. Shuvam Das	
			2. Srijan Chowdhury	
			3. Subhajit Mandal	
ME10	Regenerative Braking System	Shishir Kumar Biswas	1. Amit Mukherjee	
			2. Amit Yadav	
			3. Argaha Majumdar	
			4. Anupam Kumar	
			5. Ashit Bhagat	
ME11	Wireless Centrifugal Pump	Shishir Kumar Biswas	1. Amit Yadav	
			2. Amit Mukherjee	
			3. Argaha Majumdar	
			4. Anupam Kumar	
			5. Ashit Bhagat	

# **Report on Civil Engineering Departmental Stall**

## ***About Civil Engineering Departmental Stall in JISTech2K17***

The Civil Engineering Departmental stall was well equipped with eleven numbers of models for exhibition at the event. All the models were prepared by serious efforts of the students. Among the models some important models were 'Rotating bridge automation', 'Smart city with sewage treatment plant', 'Smart Garage and Solar Roadway', 'Water Bridge', Floating Villa, Hydro Electricity, Multiflyover etc. All the models represented the eagerness of the students to learn and understand the critical aspects of some Civil Engineering structures and how to apply them practically. The works of the students were highly appreciated by all the external and internal faculty staffs, judges as well as by other students.

## ***Nominated Departmental Coordinators Name and Designation***

Mr. Satadru Bhattacharya

(Assistant Professor)

## ***Head of the Department Name***

Mr. Samim Mustafa

*Picture Gallery of Civil Engineering Departmental Stall*



*Achievement in JISTech 2k17: (if any like best Department or others)*

### ***About Best Project Model of Civil Engineering Departmental Stall***

Best project model of Civil Engineering Departmental stall was ‘Smart City with Sewage Treatment Plant’. A urban smart city along one third percent plantation of trees and other two third is industrial building, residential building etc. The total waste water is directly passed through Sewage treatment Plant to purify the water and to improve the quality as drinking water. The aim is to give a concept about the city of future which will provides clean transportation options that serve the mobility demands of the city and reduce the impacts on the environment. A city that provide safety and invite opportunity for non-motorized travel. A smart technology along with good road and infrastructure.

This model includes the sewage Treatment plant which removes contaminants from waste water primarily from household sewage. And again the treated water can be used in household and industries.

The emerging prototype for a smart city is one of urban environment with new generation of innovative services for transportation, energy distribution, healthcare, environmental monitoring, business, emergency responses and social activities. The sewage water we cannot allow waste water to be disposed of in a manner dangerous to human health or damaging to the natural environment. Treatment technology includes physical, chemical and biological methods. The purified water can be re-use.

### ***All the Overall Project Model Details***

<b>SL. No.</b>	<b>Project Code</b>	<b>Title of the Project</b>	<b>Faculty Mentor Name</b>	<b>Student Names</b>
1	CE1	Hydro Electricity	MR SATADRU BHATTACHARYA	Snehasis De Biswas
				Soumyadip Chandra
				Sayan Hazra
				Sayan Dutta
2	CE2	Loop Flyover	MR SATADRU BHATTACHARYA	Dibyendu Dutta
				Shubham Dutta
				Reetayan Dey
				Arindam Roy
3	CE3	Rotating bridge automation	MR SHANKU MANDAL	Supratim Hore
				Shubham Kashyap
				Shivam Kumar
				Abhijeet Kumar
				Rita Sen
4	CE4	Urbanization	MR SATADRU	Sudhakar Mishra
				Pratyush Anand
				Sanjib Ali

			BHATTACHARYA	Suvojit khanra
				Subhrajyoti Debnath
				Pitam Ghosh
				Sourav Sarkar
5	CE5	Multiflyover	MR SATADRU BHATTACHARYA	Arnab Choudhury
				Atish Paul
				Manisha Sinha
				Anish Dey
				Chayan Kumar Sahoo
6	CE6	Floating Villa	DR SAMIM MUSTAFA	Sayak Sarkar
				Anish Mondol
				Subhadeep Bhui
				Amandeep Anand
				Somjyoti Ghosh Hazra
				Suchitra Das
7	CE7	Smart city with sewage treatment plant	MR SAJAL KUMAR PAUL	Vijay Prakash
				Shubhankar Saha
				Faisal Jawed
				Bishal Das
				Satarupa Karmakar
8	CE8	Moisture detection and alarming for building safety	MR SOURAV DAS	Sayantana Nandi
				Shouvik Debnath
9	CE9	Smart Garage and Solar Roadway	MR SOURAV DAS	Saptak Kamilya
				Sourav Ta
				Soumen Das
				Subhojit Biswas
				Aritra raha
10	CE10	Water Bridge	MR SUPRABEET DUTTA	Kajal
				Vishal Kumar Rao
				Shamuel Xalxo
				Vicky Vikash
11	CE11	Sewage Treatment Plant	MR SHANKU MANDAL	Pushkar Anand
				Pritam Singh
				Rishikesh Kumar
				Aman Kumar
				MD Mahmood

# Report on Electrical Engineering Departmental Stall

## *About Electrical Engineering Departmental Stall in JISTech 2K17*

### *Main objectives of the event*

- To provide a platform for our students to give information in relation to latest developments and development activities in Industry incorporating various Engineering Sectors.
- To bridge the gap between industry and campus.
- To provide its related and enabling technologies regarding research innovation.
- To provide an arena for students to test their engineering skills.
- To connect the students with ground breaking ideas with the experts.

### *Nominated Departmental Coordinators Name and Designation*

Mr. Sudip Das,  
Asst. Professor Department of Electrical Engineering,

#### *Name of the Departmental Head:*

Dr. Papun Biswas, Associate Professor, Department of Electrical Engineering,

### *Pictures Gallery of Departmental Stall:*







### ***Best Project Model of Electrical Engineering Departmental Stall***

#### **Title of the Project -Green Building**

**Green building** (also known as **green construction** or **sustainable building**) refers to both a structure and the using of processes that are environmentally responsible and resource-efficient throughout a building's life-cycle: from siting to design, construction, operation, maintenance, renovation, and demolition. In other words, green building design involves finding the balance between homebuilding and the sustainable environment.

**Student Names:** Prakash Das, Rahul Shaw, Avilash Paul, Saikat Ghosh, Binoy Pal.

**Faculty Mentor/Guide Name:** Mr. Rakesh Naskar, Asst Professor, Department of Electrical Engineering.

## All the Overall Project Model Details:

Sl No.	Project Code	Title of the Project	Student Names	Faculty Mentor/Guide Name
1.	EE 1	Green Building	i. Prakash Das ii. Rahul Shaw iii. Avilash Paul iv. Saikat Ghosh v. Binoy Pal	Mr. Rakesh Naskar
2.	EE 2	Conveyor belt with object detecting sensors & object counting sensors.	i. Saswata Saha ii. Subhojit Roychowdhury iii. Soumaya Paul iv. Soumyarup Roy v. Sweta Barman vi. Sayani Guha	Mr. Biswamoy Paul
3.	EE 3	Wireless switching of electrical application	i. Abhijit Moitra ii. Abhishek Banerjee iii. Dibyendu Mandal iv. Paromita Dutta v. Sreetama Saha Poddar	Mr. Biswamoy Paul
4.	EE 4	Arduino based home automation using Bluetooth android phone	i. Biswanath Tiwari ii. Shivam kumar Sharma	Mr. Partha Das
5.	EE 5	Automatic fire security system in multi storied building	i. Ankit Sharma ii. Satyam Shaw iii. Vivek kumar Sharma iv. Shounak Chakraborty v. Santanu Bairagi vi. Sumit kumar Das vii. Somenath Prasad	Mr. Sudip Das
6.	EE 6	Automatic energy saving Street light control	i. Mainak Ghosal ii. Shuvam Pramanik iii. Deep Biswas iv. Joyjit Dutta v. Kaizer Rahaman	Mr. Sudip Das
7.	EE 7	Unique design on solar hydro street light	i. Shubhajit Bhowmik ii. Rishav Sarkar iii. Sayan Das iv. Subhajit Mondal v. Rahul kumar Thakur vi. Suman Kunda vii. Suraj Kumar	Mr. Rakesh Naskar
8.	EE 8	Wireless Charger	i. Anirban Das ii. Jaydeep Bhunia iii. Aneek Das	Mr. Partha Roy Mr. Arindam Banerjee

9.	EE 9	Energy harvesting by Piezoelectric material	<ul style="list-style-type: none"> <li>i. Swastik Mandal</li> <li>ii. Prमित Maity</li> <li>iii. Sayan Saha</li> <li>iv. Subham Mukharjee</li> <li>v. Suman Chowdhury</li> <li>vi. Tanay Das</li> </ul>	Mr. Biswamoy Pal
10.	EE 10	APPLICATION OF DC MOTOR USING ARDUINO	<ul style="list-style-type: none"> <li>i. Mijanur Rahaman</li> <li>ii. Dhrubajoti Ghosh</li> <li>iii. Amarjit Mahato</li> <li>iv. Jayeeta Bardhan</li> <li>v. Benoy Majumdar</li> <li>vi. SANJIB UPADHYAY</li> <li>vii. Anjan Chatterjee</li> </ul>	Mr. Sudip Das Mr. Milan Sasmal
11.	EE 11	Automated home security system	<ul style="list-style-type: none"> <li>i. Saurav Roy</li> <li>ii. Sunil Kumar Pandey</li> <li>iii. Sourav Das</li> </ul>	Mr. Biswamoy Pal
12.	EE 12	Wireless power transmission	<ul style="list-style-type: none"> <li>i. Subhan Mandal</li> <li>ii. Arshad Hussain</li> <li>iii. Ashish kumar Jha</li> <li>iv. Arpan Mazumder</li> <li>v. Mayuree Bhaumik</li> <li>vi. Subhajit Mondal</li> </ul>	Mr. Basudeb Dey
13.	EE 13	Smart Stick for Blind peoples	<ul style="list-style-type: none"> <li>i. Manisha Samanta</li> <li>ii. Rahul kumar Pandey</li> <li>iii. Himadri shekar Mandal</li> <li>iv. Iman Adhikary</li> <li>v. Suman Paul</li> <li>vi. Swapnadip Kundu</li> </ul>	Mr. Biswamoy Pal
14.	EE 14	Automatic car parking system using light sensor	<ul style="list-style-type: none"> <li>i. Pritam Saha</li> <li>ii. Nilashis Karmakar</li> <li>iii. Md.Afridi</li> </ul>	Mr. Biswamoy Pal
15.	EE 15	Bluetooth control home automation system	<ul style="list-style-type: none"> <li>i. Mrinmoy Sarkar</li> <li>ii. Sayan Mondal</li> <li>iii. SumanaBhattacharjee</li> <li>iv. Sudeshna Mondal</li> <li>v. Bratoti Biswas</li> </ul>	Mr. Partha Das Mr. Milan Sasmal
16.	EE 16	Spy Insects	<ul style="list-style-type: none"> <li>i. Rakesh Roy</li> <li>ii. Somen Mondal</li> <li>iii. Sougata Roy</li> <li>iv. Debjit Sarkar</li> </ul>	Mr. Partha Das
17.	EE 17	Wireless Electricity transfer	<ul style="list-style-type: none"> <li>i. Rony Roy</li> <li>ii. Soumyadip Goswami</li> <li>iii. Sk Jahir</li> <li>iv. Subha Dhar</li> <li>v. Debraj Garai</li> </ul>	Santanu Mandal Biswamoy Pal

# **Report on Centre for Management Studies Departmental Stall**

*About Centre for Management Studies Departmental Stall in  
JISTech2k17*

*Nominated Departmental Coordinators Name and Designation*

Dr. Avik Sanyal,

Assistant Professor

*Head of the Department Name:*

Mr. Subhajit Basu Chowdhury

*Picture Gallery of CMS Departmental Stall*



***Achievement in JISTech 2k17: (if any like best Department or others)***

**Best Environment Friendly Project**

Name of the Project: **Daily Home Care**

***About Best Project Model of CMS Departmental Stall***

**Florona-The Plant Care:** A project where plants are taken care of. It's a venture where the entrepreneurs will provide service to those people who love to keep lawns and gardens but cannot take proper care of plants. The house will provide various services like watering, replacing, trimming, nurturing of plants of every household, office, malls. By this they are planning to make an eco-friendly environment.

***All the Overall Project Model Details***

<b>SL. No.</b>	<b>Title of the Project</b>	<b>Faculty Mentor/Guide Name</b>	<b>Student Names</b>
1	Farm to Kitchen	Uttiya Kar	Ratnabali Guha Thakurata
			Siddharth Malakar
			Mainak Majumder
2	Daily Home Care	Uttiya Kar	Priyanka Chakraborty
			Rajorshi Roy
			Shovan Saha
			Alekhya Mondal
			Biswajit Samanata
			Dipanjan Pal
3	Plant Pot for home and hotel decoration	Avik Sanyal	Gautam Bhattacharjee
			Suvam Sharma
			Shubhabrata Sarkar
			Barshan Das
4	Florona- The Plant	Uttiya Kar	Subir Mondal
			Shib Sankar Karmakar Doyel Adhikary

	care		Sohini Biswas
5	E-Waste Recycling	Swati Pal	Ananya Ghosh
			Ritu Roy
			Kumkum Ghosh
			Md. Alamgir Chowdhury
6	Consumer Behaviour and Purchase Decision Process	Subhajt Basu Chowdhury	Preeti Kumari Thakur
			Susmita Bhusan
			Anjali Malakar
7	Pet Care	Swati Pal	Vikky Prasad
			Dhiraj Kumar
			Supriya Shaw

***Any others Information:***

The best environmental project i.e; Daily Home Care along with other selected projects from various departments of the college is now preparing itself to be introduced to entrepreneurs and business personalities on a coming date.

# Report on Basic Science Departmental Stall

## *About Basic Science Departmental Stall in JISTech 2k17*

Students across various engineering departments from different years were mentored by faculty members of the department of Physics, Chemistry and Mathematics; and the stall was a joint exhibition of these 3 departments. In JISTech 2k17, there was total of nine projects (2 from Physics, 6 from Chemistry and 1 from Mathematics).

### **Nominated Departmental Coordinators Name and Designation:**

1. Tanmoy Dutta;  
Asst. Prof. JISCE, Kalyani.

2. Swagata Bhattacharjee;  
Asst. Prof. JISCE, Kalyani.

### ***Head of the Department Name:***

Sabyasachi Sen

### ***Picture Gallery of Basic Science Departmental Stall***





***Achievement in JISTech 2k17: (if any like best Department or others)***

The stall was the perfect platform to show the innovative and independent ideas of students through their project work.

***About Best Project Model of Basic Science Departmental Stall***

Best Project Name:

**Application of semiconductor based LDR (light Dependant Resistor or photo resistor) to avoid car collision.**

Guide Name:

**Trina Dutta, Chemistry Dept.**



### *All the Overall Project Model Details*

SL. No.	Title of the Project	Faculty Mentor/Guide Name & Project ID	Student Names
1.	Application of semiconductor based LDR (light Dependant Resistor or photoresistor) to avoid car collision	Trina Dutta CHEM 2	PRIT PRANJAL
			DIPTESH PANDEY
			KUSHAL MONDAL
			TANVIR AHMED
2.	Green solution for Recycling of Plastic (Styrofoam) at home	Trina Dutta CHEM 1	RAUNAK DEY
			IJAZ SAIKH
			DIPANKAR GHOSH
3.	Preparation of a sample of Cuprammonium Rayon Threads using Cotton wool	Trina Dutta CHEM 3	MITRAJIT SAHOO
			ASFAK ALAM
4.	Laser Security Alarm	Ananya Barman CHEM 4	AMAN ADARSH
			ANSHU KUMAR SHANDILYA
			ANIK MANDAL
			DEEPAK KUMAR
5.	Reduce-Reuse and Recycle	Ananya Barman CHEM 5	GOURAV CHATTERJEE
			SHOVANDEV CHATTERJEE
			PRIYANKA PANDEY
6.	Portable Room Heater	Ananya Barman CHEM 6	BISHAL GHOSH NITISH KUMAR ANKIT KUMAR CHOUDHARY
7.	ELECTROSTATIC PRECIPITATOR POWERED BY AN ENERGY SOURCE	MRINMOY DAM MATH-1	1.HIMALI BARMAN 2.RUDRANI MAITY 3.PUSHPITA SEN 4.PIYA BHATTARCHARYA 5.ANINDITA GUHA
8.	Fire alarm	Nirmalya Das (PH1)	1. Sumit Shaw 2. Trina karmakar 3. Mitu Sinha
9.	Power bank	Swagata Bhattacharjee (PH2)	1. Rahul Das 2. Rohit singh 3. Souvik Biswas 4. Sagir Hussain

# Event Organized in JISTech 2k17

## *Robotics Competition*

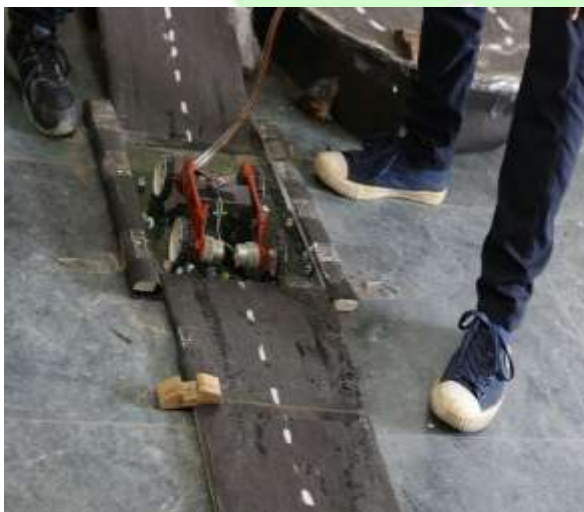
### *About the Event Robotics in JISTech2k17*

After the invention of microprocessor interest in automation circuits such as robotics are increasing. Students are getting scopes to participate in tech competitions to showcase their implements. Robotics event in general is organized to select the efficient robot in view of the specific job done within shortest time duration. In JISTech2K17 committee members of the Robotics event decided to prepare arena for the **MANBOT- Manual robotics** and **WATBOT- Water robotics**. In the MANBOT event participants were asked to bring manual controlled wheel driven robot to pass through the hurdles of arena, whereas in WATBOT participants were asked to bring manual controlled propeller driven robot to pass through the hurdles of arena.

### *Event Organizer and Committee Members Name and Designation with Department:*

Coordinators Name	Designation with Department	Student Volunteers		
		Name	Dept	Year
Dr. Indranath Sarkar	Associate Professor, ECE, JISCE	Kalpesh Roy	ECE	3rd
		Krishnendu Dubey	ECE	3rd
Mr. Anirban Ghosal	Assistant Professor, ECE, JISCE	Rup Saha	CSE	2nd
		Oyshee Choudhury	ECE	1st

*Picture Gallery of Event Robotics in JISTech 2K17*



## *Awarded Student Details on Event Robotics in JISTech2K17*

### **1. Event name: MANBOT- Manual Robotics**

#### *Winners*

<b>Team members</b>	<b>Institute</b>	<b>Dept.</b>
Prateek Das	JISCE	CSE2
Sayan De	JISCE	CSE2
Rajit Basu	JISCE	CSE2

### **2. Event name: WATBOT- Water Robotics**

#### *Winners*

<b>Team members</b>	<b>Institute</b>	<b>Dept.</b>
Kuntal Biswas	JISCE	ME2
Md. Sabir Alam	JISCE	ME2
Ajit Kr. Yadav	JISCE	ME2
Md. Shahbaz Shekh	JISCE	ME2

**All the Student Participants Details on Event Robotics in JISTech  
2K17**

<b>Gr. No</b>	<b>Student Participants Name</b>	<b>Institute</b>	<b>Gr. No</b>	<b>Student Participants Name</b>	<b>Institute</b>
<b>MANBOT</b>			<b>MANBOT</b>		
<b>1</b>	ISALM KHAN	JISCE	<b>16</b>	Sayan Dey Biswas	JISCE
<b>2</b>	ANKIT Kr. ROY CHOUDHURY	JISCE	<b>17</b>	Bhaswar Dey	NIT(JIS)
<b>3</b>	SUVOJYOTI PODDER	JISCE	<b>18</b>	Chaitanya	IIIT-KLY
<b>4</b>	MANISHA KUMARI	JISCE	<b>19</b>	Bikramjit sarkar	JISCE
<b>5</b>	PRAYAS SAHA	JISCE	<b>20</b>	Prateek Das	JISCE
<b>6</b>	ANIK MANDAL	JISCE	<b>21</b>	ARNAB DAS	JISSP
<b>7</b>	MATIUR RAHMAN	JISCE	<b>22</b>	Avijit Das	GNIT
<b>8</b>	SHUVAM BANERJEE	NIT(JIS)	<b>23</b>	Snehasis De Biswas,	JISCE
<b>9</b>	AKASH MUKHERJEE	IEM	<b>WATBOT</b>		
<b>10</b>	DEBJIT DUTTA	JISCE	<b>1</b>	Aditya Dasgupta	JISCE
<b>11</b>	ANIKET BHAGAT	AOT	<b>2</b>	Abhishek Narayan	JISCE
<b>12</b>	RISHAV SEN	JISCE	<b>3</b>	SUBHAM ANAND	JISCE
<b>13</b>	SACHIN KUMAR MAHATO	JISCE	<b>4</b>	SWETA CHOUDHURY	SOTM
<b>14</b>	MIMO GUHO	JISCE	<b>5</b>	MRINMOY BHAUMIK	JISCE
<b>15</b>	INDRANIL METIYA	BIT	<b>6</b>	Kuntal Biswas	JISCE

## ***Code Fluenza:***

### ***About the Event Code Fluenza in JISTech2k17***

“Code Fluenza” is one of the prestigious competitions held at Tech Fest Organized by JIS College of Engineering every year where participants comes from various Engineering institutes of West Bengal and deliver their excellence.

### ***Event Organizer and Committee Members Name and Designation with Department***

- Chief Advisor: **Dr. Somsubhra Gupta**
- Coordinator & Convener: **Aniruddha Biswas, Sumit Das**
- Technical Support: **Suwendu Banerjee,  
Amit Bera,  
Prosenjit Mondal**
- Students Representative: **Dhiraj Sharma, Sukhwant Kumar**
- Communication: **Aniruddha Biswas & Students volunteers**
- Judges : **Dipankar Das, Technical Lead, IXIA  
Technologies Pvt. Ltd.,  
Annwsha Banerjee, Asst. Prof., JISCE**

## *Picture Gallery of Event Code Fluenza in JISTech 2K17*



## *Awarded Student Details on Event Code Fluenza in JISTech 2K17*

Position Held	Name	Mobile	Email	Course	Dept.	Year	College Name
Winner	Jacky Kumar Shaw	8420950176	astoocooljack@gmail.com	B.TECH	IT	4th	GNIT
1st Runners' Up	Aditya Narayan Singh	8961811912	adityadt68@gmail.com	BCA	CA	3rd	JISCE
	Indranath Bagchi	9038685095	inathb@gmail.com	M.TECH (SE)	IT	1st	JISCE
	Aditya Rathi	9832644367	adityarathi9555@gmail.com	B.TECH	IT	4th	JISCE
2nd Runners' Up	Ajay Dey Sarkar	7547936788	mailtoajay2211@gmail.com	B.TECH	ECE	2nd	JISCE
	Ravi Raj Bandhu	8232827747	Rrb8319@gmail.com	B.TECH	CSE	1st	JISCE
	Souvik Banerjee	8293963041	banerjeesouvik18@hotmail.co.uk	B.TECH	CSE	4th	JISCE

***Student Participants Details on Event Code Fluenza in JISTech  
2K17***

<b>SL. No</b>	<b>Student Participants Name</b>	<b>Organization Name</b>	<b>Course</b>	<b>Department</b>
1	Santanu Kumar Dawn	AEC	B.TECH	ME
2	Dwaipayan Shaoo	FIEM	B.TECH	CSE
3	Abhisek Tiwari	GCETTS	B.TECH	CSE
4	Madhusree Guha	GKCEM	B.TECH	CSE
5	Satyajit Saha	GKCEM	B.TECH	CSE
6	Soumyadeep Paul	GKCEM	B.TECH	CSE
7	Sovan Banerjee	GKCEM	B.TECH	CSE
8	Pratik Kar	GKCEM	B.TECH	CSE
9	Indronil Mondal	GKCEM	B.TECH	CSE
10	Piyashi Gupta	GKCEM	B.TECH	CSE
11	Ashutosh Debnath	GNIT	B.TECH	IT
12	Debdutta Basu	GNIT	B.TECH	IT
13	Madhushree ghosh	GNIT	B.TECH	IT
14	Nikhilesh Daingla	GNIT	B.TECH	IT
15	Nirvik Roy	GNIT	B.TECH	IT
16	Pradipta Karmakar	GNIT	B.TECH	IT
17	Rajarshi Saha	GNIT	B.TECH	IT
18	Santanu Jana	GNIT	B.TECH	IT
19	Shubham Das	GNIT	B.TECH	IT
20	Subhadeep Das	GNIT	B.TECH	IT
21	Sumit Kr. Singh	GNIT	B.TECH	IT
22	Suvrajit Ghosh	GNIT	B.TECH	IT
23	Titas Roychowdhury	GNIT	B.TECH	IT
24	Titirsha Banerjee	GNIT	B.TECH	IT
25	Debajyoti Roy	IDEAL INSTITUTE OF ENGINEERING	B.TECH	EE



26	Ushana Bandyopadhyay	INSTITUTE OF ENGINEERING AND MANAGEMENT	B.TECH	CSE
27	Aditya Dasgupta	JISCE	B.TECH	CE
28	Aditya Rathi	JISCE	B.TECH	IT
29	Ajay Dey Sarkar	JISCE	B.TECH	ECE
30	Akriti Jha	JISCE	B.TECH	CSE
31	Amit Kumar Agarwal	JISCE	B.TECH	CSE
32	Anik Mandal	JISCE	B.TECH	CSE
33	Ankit Chakraborty	JISCE	B.TECH	CSE
34	Arnab Biswas	JISCE	B.TECH	CSE
35	Ashis Maity	JISCE	B.TECH	CSE
36	Baraj Lal Ray	JISCE	B.TECH	CSE
37	Debopriyo Bhowmik	JISCE	B.TECH	ECE
38	Ekansh Kumar Shaw	JISCE	B.TECH	IT
39	Gourav Keshari	JISCE	B.TECH	CSE
40	Gyan Ranjan Prusty	JISCE	B.TECH	CSE
41	Indranath Bagchi	JISCE	M.TECH	SOTWARE ENGINEERING (IT)
42	Krishna Santara	JISCE	B.TECH	IT
43	Manish kumar singh	JISCE	B.TECH	ME
44	Nandita gupta	JISCE	B.TECH	CSE
45	Nirupam Sengupta	JISCE	B.TECH	CSE
46	Nivedita Pandit	JISCE	B.TECH	CSE
47	Om Prakash Kurmi	JISCE	B.TECH	CSE
48	Pearl Dey	JISCE	B.TECH	CSE
49	Prasenjit Sarkar	JISCE	B.TECH	IT
50	Pratyush Anand	JISCE	B.TECH	CE
51	Pritam Adhikary	JISCE	B.TECH	ECE
52	Priya Yadav	JISCE	B.TECH	CSE

53	Ravi Raj Bandhu	JISCE	B.TECH	CSE
54	Riya Gorai	JISCE	B.TECH	CSE
55	Sandeep Shaw	JISCE	B.TECH	CSE
56	Sayan Kumar Das	JISCE	B.TECH	CE
57	Shuvankar Das	JISCE	B.TECH	CSE
58	Souvik Banerjee	JISCE	B.TECH	CSE
59	Souvik Roy	JISCE	B.TECH	CSE
60	Subhajeet Ghosh	JISCE	B.TECH	IT
61	Subham Kumar Mahanty	JISCE	B.TECH	CSE
62	Subham Prasad	JISCE	BCA	BCA
63	Suparno Bhattacharya	JISCE	B.TECH	IT
64	Suvankar Das	JISCE	B.TECH	IT
65	Swarnava Dutta	JISCE	B.TECH	CSE
66	Kaustubh Chakraborty	JISCE	B.TECH	CSE
67	Rohit Kumar Tiwari	JISCE	B.TECH	EE
68	Sayan Mondal	JISCE	B.TECH	EE
69	Anupam Kumar Singh	MEGHNAD SAHA INSTITUTE OF TECHNOLOGY	B.TECH	CSE
70	Anish kumar Jha	NETAJI SUBHASH ENGINEERING COLLEGE	B.TECH	CSE
71	Swami Nath Satpal	NETAJI SUBHASH ENGINEERING COLLEGE	B.TECH	CSE
72	Sandeep Kumar	NIT DURGAPUR	B.TECH	IT
73	Akash Dey	TECHNO INDIA COLLEGE OF TECHNOLOGY	B.TECH	CSE
74	Debojyoti Nath	TECHNO INDIA COLLEGE OF TECHNOLOGY	B.TECH	A.E.I.E
75	Sagnik Kundu	TECHNO INDIA-BANIPUR	B.TECH	CSE
76	Pankaj Kumar Ray	UNIVERSITY OF KALYANI	B.TECH	IT
77	Jacky Kumar Shaw	GNIT	B.TECH	IT

# Report on Event B-Plan IDEA in JISTech 2K17

## *About the Event B-Plan: IDEA in JISTech2k17*

Business Plan IDEA- 'Idea Development for Entrepreneurial Applications' was conducted on 25<sup>th</sup> February, 2017 at CMS Conference hall. The purpose of the event was to encourage students to come up with their innovative and creative entrepreneurial start up business plans. The event was judged by Prof. Uttiya Kar (CMS, JISCE) and Prof. Amrut Ranjan Jena (HOD, CSE). The event was graced and appreciated by our honorable MD, Mr. Taranjit Singh. In short, the event was a great success.

## *Event Organizer and Committee Members Name and Designation with Department*

1. Swati Pal (Asst. Professor, CMS, JISCE)
2. Nilotpal Haldar (Asst. Professor, ECE)

### *Volunteers*

1. Archana Pandey, CSE 3<sup>rd</sup> Year, JISCE
2. Himanshu Soni, CSE 3<sup>rd</sup> Year, JISCE

## *Picture Gallery of Event B-Plan: IDEA in JISTech 2K17*



## *Awarded Student Details in JISTech 2K17*

1. Antarip Chatterjee- B. Tech (Dairy Technology), West Bengal University of Animal and Fishery Sciences, **Winner**

2. Ratnabali Guhathakurta- BBA, 3<sup>rd</sup> Year, CMS, JISCE, **Runner up**

## *All the Student Participants Details on Event B-Plan Idea in JISTech 2K17*

Sl.No	Name	Stream	Year	Contact Number :	College
1.	Islam khan	Electrical Engineering	1 st year	8116950204	JISCE
2.	Ankit kumar roy chowdhury	Mechanical	2 <sup>nd</sup>	9674138148	JISCE
3.	Ayan Saha	Mechanical Engineering	2 <sup>nd</sup>	9679724403	JISCE
4.	Supriya Shaw	BBA (H)	3 <sup>rd</sup> year	7059912242	JISCE
5.	Nairita Mitra	Computer science and engineering	1 <sup>st</sup>	9735925652	JISCE
6.	Kapil Bhoutika	Civil engineering	4 <sup>th</sup> year	9563777069	JISCE
7.	Shikha Kumari	Electrical Engineering	3 <sup>rd</sup> year	7098037872	JISCE
8.	Kaustav Karmakar	CSE	4 th year	9674774916	JISCE
9.	Subham Das	BBA(H)	3 <sup>rd</sup> year	7003566145	JISCE
10.	Priyanka Chakraborty	MBA	1 <sup>st</sup> year	9674470776	JISCE
11.	Subhadeep Datta	Mechanical Engineering	3 <sup>rd</sup> year	9474034723	JISCE
12.	Sayantan Halder	CSE	2 <sup>nd</sup> year	9749886637	JISCE
13.	Shuvam Banerjee	ECE	3 <sup>rd</sup> year	8697685526	Narula institute of technology
14.	Doyel Adhikary	BBA	2 <sup>nd</sup> year	7044952639	JIS College Of Engineering
15.	Ratnabali Guha Thakurta	BBA(H)	3 <sup>rd</sup> year	8013985591	JIS College of Engineering
16.	Mainak Ray	CE	4 <sup>th</sup> year	9831592336	Om dayal group of institutions
17.	Shubhabrata Sarkar	BBA(H)	3 <sup>rd</sup> year	9903996951	JISCE
18.	Anupam Kumar Singh	CSE	3 <sup>rd</sup> year	8240100359/ 7044274916	Meghnad Saha Institute of Technology
19.	Ashish Kumar	CSE	3 <sup>rd</sup> Year	8083472858	Meghnad Saha Institute of Technology
20.	Antarip Chatterjee	Dairy Technology	3 <sup>rd</sup> Year	8621977530	B.Tech(Dairy Technology), West Bengal University of Animal and Fishery Sciences

# Report on School Pavilion in JISTech 2K17

Eight number (8) of schools participated with seventeen (17) number of project models in School pavilion.

## *Picture Gallery of School Pavilion in JISTech 2k17*



# About Awarded Project Model Details of School Pavilion in JISTech 2k17

## WINNER

Project Name: **SENSIBLE (SOUND THROUGH THE DARK)**

School Name: **ORIENTAL PUBLIC SCHOOL, KALYANI**

## RUNNER

Project Name: **ECO FRIENDLY NIGHT LAMP**

School Name: **SPRINGDALE HIGH SCHOOL, KALYANI**

## SPECIAL APPRICIATION

Project Name: **WIND MILL POWER GENERATION & WATER PURIFIER**

School Name: **DON BOSCO BANDEL, HOOGHLY**

Overall Project Model Details of School Pavilion in JISTech2k17:

Sl. No.	Name of The Schools with Address	Model Name of the School
1	Kalyani Central Model School, Kalyani, Nadia.	Line Follower Robot
2	Oriental Public School, Kalyani, Nadia.	1. Tesla Coil & LDR 2. Dynamo Power Generator 3. Sensible

3	Springdale High School, Kalyani, Nadia.	<ol style="list-style-type: none"> <li>1. Metal Detector</li> <li>2. Eco Friendly Night Lamp</li> <li>3. Modern House</li> <li>4. Wind mill Generator</li> </ol>
4	Don Bosco Bandel, Hooghly	<ol style="list-style-type: none"> <li>1. Wind mill Generator</li> <li>2. Water Purifier</li> </ol>
5	St. Lawrence High School, Ballyganj Circular Road, Kolkata.	Lighting Multiple LED Using A Single Battery
6	Chakdah Purbanchal Vidyapith, Chakdaha, Nadia	<ol style="list-style-type: none"> <li>1. Auto Counter</li> <li>2. Simple Motor</li> </ol>
7	Chakdaha Basanta Kumari Balika Vidyapith, Chakdaha, Nadia.	Total Temperature Increase Due To Limitless AC
8	Balia High School	<ol style="list-style-type: none"> <li>1. Green House Characteristics</li> <li>2. Electrolysis of Water</li> <li>3. Prevent Misuse Of Water</li> </ol>

## **Conclusion**

**Yes, this is not the conclusion.**

**Ending is just like a new commencement. !!!!!**

**We have approached to the time of  
Preparatory sector**

**Of**

**JISTech 2k18!!!!**

