JIS College of Engineering

(An Autonomous institute)
Department of Computer Science & Engineering

UNIQUE

FROM THE HOD'S DESK

Warm Greetings and welcome to the Computer Science & Engineering Department in JIS College of Engineering. Computer Science & Engineering is one of the leading Departments in JISCE, providing high technology-oriented programs to meet today's needs of young minds, a department with all dedicated faculties and staffs to impart knowledge on various fields including recent trends in technologies helping students to take on any problem.

The curriculum is good enough for employment in various sectors. The persistent vision of CSE department is to divulge knowledge with high sense of integrity and commitment to the tasks, intended to promote the all -round development and well being of humanity as a whole.

Dr. Dharmpal Singh
HOD, Dept. of CSE.

Vision

The Computer Science and Engineering Department at JIS College of Engineering will be a leader in computing innovation through excellence in undergraduate and graduate education, active research programs and the dissemination of knowledge. The Department will leverage both the international and interdisciplinary nature of computing.

Mission

The Department's mission is to provide students and faculty with an open environment that encourage professional and personal growth. The academic programs mission is that to prepare students for flexible career paths and continuing advancement in computing. The students are motivated and encouraged to build a successful careers in the computing professions through flexible programs of study that can be adapted to support individual career goals.

MESSAGE FROM FACULTIES

Computer Science and Engineering is an essence of today's world. Being a faculty of Department of Computer Science and Engineering, I welcome to all my students, colleagues and staffs. We are the most vibrant department in the institution in terms of students, faculties, facilities, placements and research grants. Here, in the department, we are continuously making effort to impart cutting edge knowledge and technologies. I wish to all my students ,my department and my Institution a great future .

Mr. Amit Majumder (AP/CSE)

JIS College of engineering is a great place to learn and research. Computer Science & Engineering department provides different laboratory such as Network Lab, Operational Research Lab, Advanced Database Systems Lab, Computer Architecture Lab, Web Technology Lab and many more with high speed internet facility. The department takes initiative to organize different seminar and workshop for different computer field. The department also takes initiative to improve the quality of the students so that they can face the competition in the corporate world confidently. My best wishes to all the students of Computer Science and Engineering Department.

Mr. Apurba Paul (AP/CSE)

JIS College of Engineering, Kalyani is an autonomous institute. The faculty members of Computer Science & Engineering Department of JISCE are well-experienced, active, enthusiastic, energetic and friendly to their students. All the students are very much encouraged to make their career smooth and glorious. All faculty members are engaged for teaching the students as well as in their research work. Our department is motivated and helpful to bring success to the students. I wish all the members, stakeholders, students and faculties concerned with the CSE department, health, good luck and best wishes for the future.
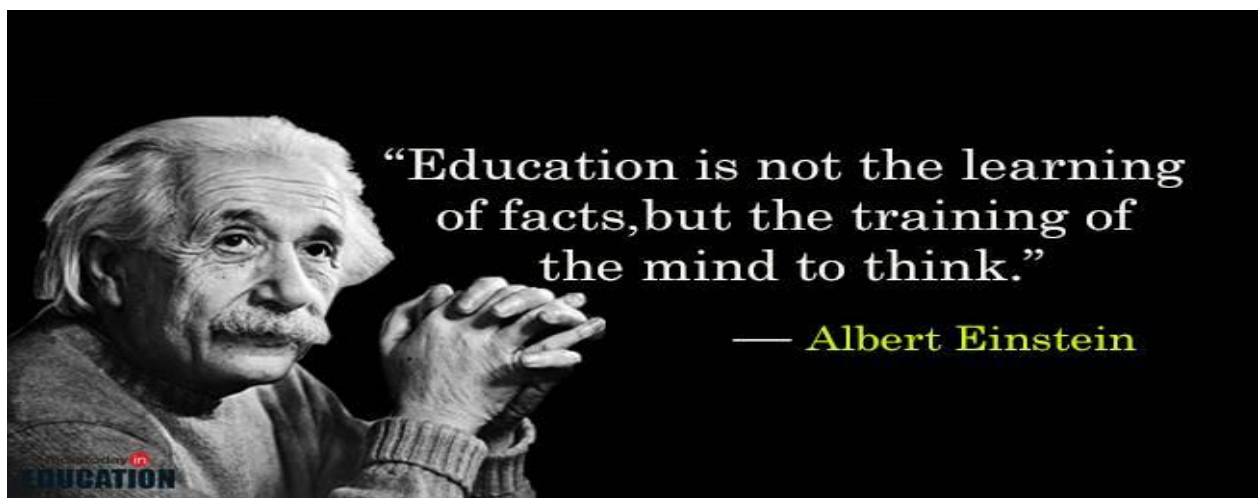
Ms. Ira Nath (AP/CSE)

Computer Science and Engineering Department of JIS College of Engineering has given me many memories to cherish for, throughout my lifetime. This is the place where I honed my teaching skills, became interested in research, made some of my best friends and learned to take the level and quality of technical education higher, each passing day. The working atmosphere of this department is electric, where every faculty expertise in specific skill sets.

Ms Jhumpa Mistri (AP/CSE)

FROM EDITOR'S DESK

It is our immense pleasure to work on this edition, included in the words from our HOD/CSE Prof. Dharmpal Singh and senior faculties. It also highlights events, workshop, seminars, publications, achievement and many more. In this edition, we have tried to capture last few months excitement and activities. We have also included the achievement of the students and faculty members from the CSE department in curricular, co-curricular and Extra-curricular activities. I sincerely hope that this edition makes for an interesting read.

Mr. Sumanta Chatterjee (AP/CSE)

FACULTY PUBLICATIONS

Sl	Title of the paper	Author	Publication Details/Vol.No./ISSN No./Page No.
1.	Assessment of The Heart Disease Using Soft Computing Methodology	Dharmpal Singh, Souvik Pal, Sudipta Sahana, Ira Nath, S. Bhattacharyya	The 4th International Conference on Research in Intelligent and Computing in Engineering, Hanoi University of Industry , Vietnam, August 8-9, 2019 (Scopus)
2.	An Effort to Analysis the Causes of Rail Accident using the concept of statistical methods	Dharmpal Singh, Souvik Pal, Sudipta Sahana,Ira Nath, S. Bhattacharyya	The 4th International Conference on Research in Intelligent and Computing in Engineering, Hanoi University of Industry , Vietnam, August 8-9, 2019 (Scopus)
3.	Security and Privacy Challenges in Big Data	Dr. Dharmpal Singh, Ira Nath and Pawan Kumar Singh	Book chapter for the upcoming book, "*Security, Privacy, and Forensics Issues in Big Data",* DOI: 10.4018/978-1-5225-9742-1, EISBN13: 9781522597445 (accepted) (Scopus Indexed)
4.	Information Technology and Student Success	Dr. Dharmpal Singh, Ira Nath, Sonali Bhattacharyya	Book chapter, International, for the upcoming book, "*Emerging IT Issues in Higher Education.*
5.	Efficiency of Big Data Application in Smart City	Dr. Dharmpal Singh, Pranati Rakshit, Sudipta Sahana	Book chapter, International, book of *Big Data Analytics for Sustainable Computing*
6.	Application of IoT in Health care	Pranati Rakshit, Ira Nath, Dr. Souvik Pal	It will be published in BOOK TITLE: "Principles of Internet of Things (IoT) Ecosystems: Insight Paradigm", *Book chapter (Springer)* BOOK SERIES TITLE: Intelligent Systems Reference Library "Springer" PUBLISHERS: Springer INDEXING: ISI Web of Science, SCOPUS, DBLP and Springerlink. (accepted)
7.	A Design of IoT Based Agricultural System for Optimal Management	Dr. Dharmpal Singh, Dr. Souvik Pal, Sudipta Sahana	Analytic in IoT agriculture, Book chapter
8.	An Empirical study of Digital Marketing Strategies in E-Commerce Review and Prospect	Sumanata Chatterjee	Book of Digital Marketing Strategies and Models for Competitive Business
9.	Automatic Music	P. Mondal, Ira Nath,	International Conference on Research in

	Genre Detection using Artificial Neural Networks	N. Gupta, M. K. Jha, D. G. Ganguly.	Intelligent and Computing in Engineering (RICE-2019) [will be Published by Springer & Scopus Indexed]
10.	A New Accident Alert System Using Android App Development published in	Anindya Dey, Ira Nath, Ramaadyuti Battabyal, Bhakta Ballav Garai and Amit Mazumder	AICTE Sponsored 2nd International Conference on Non Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
11.	Security and privacy issues in IoT, and its challenges and solutions	Dr. Bikramjit Sarkar	Accepted for the book "IoT Security And Privacy Paradigm"
12.	An Analytical Survey on the Health-Care Paradigm in IoT Ecosystem and Policy Implementation Protocols in India	Dr. Bikramjit Sarkar	4th International Conference on Research in Intelligent and Computing in Engineering (RICE 2019), Accepted (Springer) [Scopus indexed], August 08-09, 2019.
13.	A New Accident Alert System Using Android App Development	Anindya Dey, Ira Nath, Ramaadyuti Battabyal, Bhakta Ballav Garai and Amit Mazumder	Published in AICTE Sponsored 2nd International Conference on Non Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
14.	NEHSC: A NEW EFFICIENT HEURISTIC FOR SYMMETRIC KEY CRYPTOGRAPHY	Ira Nath, Pranati Rakshit, Dharmpal Singh	Published in AICTE Sponsored 2nd International Conference on Non Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
15.	FACE DETECTION USING SUPPORT VECTOR MACHINE WITH PCA	Pranati Rakshit, Sonali Bhattacharyya, Jhumpa Mistri and Ira Nath	Published in AICTE Sponsored 2nd International Conference on Non Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
16.	Assessment of Annual Average Temperature by Soft Computing Model	Dharmpal Singh, Sudipta Sahana and Ira Nath,	Published in AICTE Sponsored 2nd International Conference on Non Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
17.	Prediction of heart disease using SVM	Dr. Pranati Rakshit Debasree Mitra	I3SET2K19 (accepted)

	with feature selection		
18.	Prediction Of Diabetes Mellitus Using Different Machine Learning Techniques	Debasree Mitra, Dr. Pranati Rakshit , Ali Siraz Akhtar,Arghya Bhowmick,Himanshu Singh,Dibya Mondal, Khwaja Mohiuddin Ansari,Kaustubh Chakraborty	International Conference in I3SET2019/Dec 2019 (Elsevier SSRN)
19.	Prediction of Heart Disease Using Support Vector Machine With Feature Selection Method	Rahul Majumder,Dr. Pranati Rakshit , Debasree Mitra,Swatilekha Nag,Suchismita Gupta,Swarnava Gupta	International Conference in I3SET2019/Dec 2019 (Elsevier SSRN- Post Conference Communication)
20.	Identification and prediction of factors responsible for diabetes by machine learning approaches	Debasree Mitra,Arghya Bhowmick,Himanshu Singh,Dibya Mondal, Khwaja Mohiuddin Ansari,Kaustubh Chakraborty	International Conference in ICNNEE2019/Oct 2019 (Elsevier SSRN- Post Conference Communication)
21.	A Design of IoT-Based Agricultural System for Optimal Management.	Sahana S., Singh D., Pal S., Sarddar D.	In: Pattnaik P., Kumar R., Pal S., Panda S. (eds) IoT and Analytics for Agriculture. Studies in Big Data, vol 63. Springer, Singapore, First Online02 October 2019, DOI :https://doi.org/10.1007/978-981-13-9177-4_10, Publisher Name, Springer, Singapore
22.	Efficacy of Big Data application in smart city	Sudipta Sahana, Dharmpal Singh, Pranati Rakshit,	*Machine Learning and Cognitive Computing for Mobile Communications and Wireless Networks"* by Scrivener Publishing, Wiley. (Accepted)
23.	Information Technology and Student Success	Dharmpal Singh, Ira Nath and Sonali Bhattacharyya	EoT_2020 (Education of Things_Digital Pedagogy) (Accepted)
24.	Diagnosis and	Ira Nath, Pranati Rakshit and	Will be published in Machine Learning

	Detection of Various Diseases using Machine Learning heuristics: A Study	Dharmpal Singh	& Internet of Medical Things in Healthcare (MLIoMTH-2020). Elsevier [**Scopus Indexed].** [Accepted]
25.	Detection of Heart Disease using different Machine Learning Techniques	Jhumpa Mistri, Pranati Rakshit	IJLTET, Vol.(13)Issue(1), pp.022-027, DOI: http://dx.doi.org/10.21172/1.131.05, e-ISSN:2278-621X
26.	Bio-molecular Event Trigger Extraction by Word Sense Disambiguation based on Supervised Machine Learning using Wordnet-based Data Decomposition and Feature Selection	Amit Majumder, Asif Ekbal, Sudip Kumar Naskar	GAIC-2019, IEM, Kolkata, September 12-14, 2019 **(Accepted and Presented)**
27.	MFAO: Modified Firefly Algorithm For Optimization	Dr. Dharmpal Singh	Malaysian Journal of Computer Science (MJCS), Communicated
28.	A New Bio-inspired Algorithm: Social Spider Algorithm	Dr. Dharmpal Singh	Journal of Soft Computing, Communicated, SCI
29.	A Comparative study of meta heuristic model to assess the breast cancer disease type under the domain of data mining	Dr. Dharmpal Singh	IETE Journal of Research, Under Revision SCI Index
30.	A New Accident Alert System Using Android App Development	Anindya Dey, Ira Nath, Ramaadyuti Battabyal, Bhakta Ballav Garai and Amit Mazumder	AICTE Sponsored 2nd International Conference on Non Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.

STUDENT PUBLICATIONS

Sl	Title of the paper	Author	Publication Details/Vol.No./ISSN No./Page No.
1.	Detection of Heart Disease using different Machine Learning Techniques	Jhumpa Mistri, Pranati Rakshit	IJLTET, Vol.(13)Issue(1), pp.022-027, DOI:http://dx.doi.org/10.21172/1.131.05, e-ISSN:2278-621X
2.	Security and privacy issues in IoT, and its challenges and solutions	Tilak Kumar Dhar, Dr. Bikramjit Sarkar	It has been accepted for the book "IoT Security And Privacy Paradigm" , CRC Press, Taylor & Francis Group , Aug 2019 (Book Chapter)
3.	An Analytical Survey on the Health-Care Paradigm in IoT Ecosystem and Policy Implementation Protocols in India	Riya Biswas, Dr. Bikramjit Sarkar	4th International Conference on Research in Intelligent and Computing in Engineering (RICE 2019), August 08-09, 2019, Accepted (Springer) [Scopus indexed]
4.	A New Accident Alert System Using Android App Development	Anindya Dey, Ira Nath, Ramaadyuti Battabyal, Bhakta Ballav Garai and Amit Mazumder	Published in AICTE Sponsored 2nd International Conference on Non Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
5.	Face Recognition by City-Block Distance Classifier in Supervised Machine Learning	Debasree Mitra, Parantap Sarkar, Payel Roy	International Journal of Research and Analytical Reviews (IJRAR)	/ Vol 6 / E-ISSN 2348-1269, P- ISSN 2349-5138 /Issue 2/June 2019
6.	Prediction Of Diabetes Mellitus Using Different Machine Learning Techniques	Debasree Mitra, Dr. Pranati Rakshit , Ali Siraz Akhtar,Arghya Bhowmick,Himanshu Singh,Dibya Mondal, Khwaja Mohiuddin Ansari,Kaustubh Chakraborty	International Conference in I3SET2019/Dec 2019 (Elsevier SSRN)
7.	Prediction Of Heart Disease Using	Rahul Majumder,Dr. Pranati Rakshit ,	International Conference in I3SET2019/Dec 2019

	Support Vector Machine With Feature Selection Method	Debasree Mitra,Swatilekha Nag,Suchismita Gupta,Swarnava Gupta	(Elsevier SSRN- Post Conference Communication)
8.	Identification and prediction of factors responsible for diabetes by machine learning approaches	Debasree Mitra,Arghya Bhowmick,Himanshu Singh,Dibya Mondal, Khwaja Mohiuddin Ansari,Kaustubh Chakraborty	International Conference in ICNNEE2019/Oct 2019 (Elsevier SSRN- Post Conference Communication)
9.	NEHSC: A NEW EFFICIENT HEURISTIC FOR SYMMETRIC KEY CRYPTOGRAPHY	Ira Nath, Renesa Ghosh, Pranati Rakshit, Dharmpal Singh and Sourav Ghosh	Published in AICTE Sponsored 2nd International Conference on Non Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
10.	FACE DETECTION USING SUPPORT VECTOR MACHINE WITH PCA	Pranati Rakshit, Rajit Basu, Sayan Paul, Sonali Bhattacharyya, Jhumpa Mistri and Ira Nath,	Published in AICTE Sponsored 2nd International Conference on Non Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
11.	Assessment of Annual Average Temperature by Soft Computing Model	Arindam Roy, Dharmpal Singh, Sudipta Sahana and Ira Nath	Published in AICTE Sponsored 2nd International Conference on Non Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
12.	A New Technique for New York Stock Exchange (NYSE) Data Analysis Using Apache Pig	Sayantan Halder, Dristi Dugar, Ira Nath, Pranati Rakshit and Dharmpal Singh	Published in CSI-WBSSC2K19 and will be published in IJCSE.
13.	Assessment of Exported Tea Quantity using Fuzzy Neural Model	Arindam Roy, Dharmpal Singh, Sudipta Sahana, Ira Nath and Pranati Rakshit	Published in CSI-WBSSC2K19 and will be published in IJCSE.
14.	NTCETLS: A	Sourav Ghosh,	Published in CSI-WBSSC2K19 and will

	Novel Technique For Cryptography Ensuring Two Level Securit	Prithwijit Das, Ira Nath, Dharmpal Singh and Sudipta Sahana	be published in IJCSE.
15.	Real-Time Local Train Tracking System through HaarCascade Classifier and OCR Model	Subhayan Sarkar, Srirup Lahiri, Anusua Biswas, Amrita Das, Subhrajyoti Bhowmick, Sudipta Sahana, Dharmpal Singh and Ira Nath	Published in CSI-WBSSC2K19 and will be published in IJCSE.
16.	COMPARATIVE ASSESSMENT OF PERFORMANCE OF LDA, LR AND SVM IN THE APPLICATION OF FACE DETECTION	Sayan Paul, Pranati Rakshit, Jhumpa Mistri, Ira Nath, Sneha Biswas and Dharmpal Singh	Published in CSI-WBSSC2K19 and will be published in IJCSE.
17.	Statistical Approach to estimate the Weather Prediction	Arindam Roy, Dharmpal Singh, Sudipta Sahana and Ira Nath	Published in CSI-WBSSC2K19 and will be published in IJCSE.
18.	Literature Survey on Data Security and Challenges	Jayshree Bhattacharya, Jhumpa Mistri, Riya Biswas, Debolina Dalui, Dr. Dharmpal Singh, Dr. Pranati Rakshit Sonali Bhattacharya	CSI – West Bengal State Student Convention(Will be published)
19.	Supervised Machine Learning approach for Extracting Named Entities from Hindi-English Mixed Social Media Text	Suparna Arya, Amit Majumder, Sulabh Majumder, Aparajita Kundu, Nuzhat Shamim and Ira Nath,	Published in CSI-WBSSC2K19 and will be published in IJCSE.
20.	Assessment of the Performance of MLP &	Jayshree Bhattacharya, Pranati Rakshit, Arindam	Published in CSI-WBSSC2K19 and will be published in IJCSE.

	Hierarchical Clustering Method in the Prediction of Breast Cancer	Roy, Dharmpal Singh, Debolina Dalui	
21.	Microcontroller Based Accident Prevention and Safety System For Mountain Roads	Dwaipayan Saha, Indrani Mukherjee, Jesmin Roy, Sumanta Chatterjee	Published in CSI-WBSSC2K19 and will be published in IJCSE.
22.	Comparative Study Based On Real Time Data On The Innovative Abilities In Terms Of Economical Growth Analysis Of Smes	Sumanta Chatterjee, Arindam Roy, Jayshree Bhattacharya	Published in AICTE Sponsored 2nd International Conference on Non Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
23.	Microcontroller Based Water Level Indicator And Controller System	Dwaipayan Saha, Indrani Mukherjee, Jesmin Roy, Sumanta Chatterjee	International Journal of Computer Sciences and Engineering Open Access, Vol.-7, Issue-10, Oct 2019 E-ISSN: 2347-2693.
24.	Lock Steganography Based Secure Key Encryption To Improve Data Security	Arindam Roy, Jayshree Bhattacharya, SayantaniKundu, SudiptaSahana and Dharmpal Singh	International Conference on Innovation in Modern Science and Technology (ICIMSAT 2019) on September 20-21, 2019 (Springer)
25.	IoT BASED ENERGY METER TOWARDS EFFICIENT POWER CONSUMPTION	Ankita Roy Chowdhury, BipashaSaha, Gangotri Sarkar, JyotiChoudhary, SudiptaSahana and Dharmpal Singh	ICNNEE 2019: AICTE SPONSORED INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY & NANOMATERIALS FOR ENERGY AND ENVIRONMENT October 18 & 19, 2019

CAMPUS PLACEMENT

Our heartiest congratulations to all the successful students who were placed in different software development industries.

Placement records of Graduate year 2020.

Sl.	Name of the student	Company where placed
1	DEBADRI DAS	Chegg India
2	MD FAISAL	Chegg India
3	NILAY BASAK	Chegg India
4	SHWETA SHREE	Chegg India
5	SK ALAUDDIN	Chegg India
6	ABHISHEK KUMAR MISHRA	3rd Life
7	AKRITI JHA	Zensar Technologies
		Cognizant
8	ALI SHIRAZ AKHTER	ITC Infotech
		TCS Ninja
		WIPRO Technologies
9	AMAN ADARSH	Hexaware Technologies
10	AMIT KUMAR AGARWAL	M/s VVDN Technologies Pvt. Ltd.
11	ANIK MANDAL	TCS Ninja
		Capgemini
12	ANIMA TRIPATHY	Zensar Technologies
		Cognizant
13	ANKITA ROY	Mindtree
14	ANKITA ROY CHOWDHURY	ITC Infotech
15	ANKITA SARKAR	Capgemini
16	APARAJITA KUNDU	Capgemini Off campus drive @ TICT
17	ARGHYA BHOWMICK	TCS Ninja
18	AZHAR MAQBOOL ANSARI	Zensar Technologies
19	BARUN KUMAR SEN	3rd Life

20	BHAKTA BALLAV GARAI	ITC Infotech
21	BIPASHA SAHA	Capgemini Off campus drive @ TICT
22	DIPANKAR GHOSHAL	AMDOCS
23	DISHANI GHOSAL	Cognize Tech Solutions
24	GOURAV KESHARI	Cognizant
25	HIMANSHU SINGH	Capgemini
26	ISHITA GHOSH	IBS Software Services Pvt. Ltd.
27	JOHNTY SULAB BISWAS	Artech Infosystems
28	KAUSTUBH CHAKRABORTY	Zensar Technologies
29	KHWAJA MOHIUDDIN ANSARI	Capgemini
30	MAHEN SAHA	3rd Life
31	MEGHNA VERMA	Cognizant
		WIPRO Technologies
32	MOUMITA CHAKRABORTY	TCS Ninja
		Mphasis
33	MRINMOY BHAUMIK	XL Dynamics
34	MUKUND MADHAB	3rd Life
35	NAIRITA MITRA	WIPRO Technologies
36	NANDITA GUPTA	M/s VVDN Technologies Pvt. Ltd.
37	NIKITA BAIRAGI	Zensar Technologies
38	NIVEDITA PANDIT	M/s VVDN Technologies Pvt. Ltd.
39	NUZHAT SHAMIM	KGS Technology Group
40	PEARL DEY	Mindtree
		WIPRO Technologies
41	PRANTIK BANERJEE	Capgemini
42	PRIYABRATA PAL	Amazon
43	RAHUL MAZUMDER	Mphasis
44	RAJU KUMAR SHARMA	WIPRO Technologies
		Indusnet Technologies

45	RAVI RAJ BANDHU	Capgemini
		Infosys (InfyTQ)
46	RIMMICA DAS	Genpact
47	RINIKA MANNA	Capgemini Off campus drive @ TICT
		Zensar Technologies
48	RISHAV SEN	Mphasis
		WIPRO Technologies
49	RITESH SINGH	Artech Infosystems
50	SACHIN KUMAR MAHATO	WIPRO Technologies
51	SAKSHI	Capgemini
52	SANCHAYETA GHOSH	Zensar Technologies
		Cognizant
53	SANDEEP SHAW	Indusnet Technologies
54	SATTIK DAS	Zensar Technologies
		Cognizant
55	SAYAN PAUL	Mphasis
56	SAYANI GHOSH	Capgemini Off campus drive @ TICT
		Genpact
57	SIDDHARTH DAS	Mindtree
		TCS Ninja
58	SK. SAHIL ALI	3rd Life
59	SNEHA SWATI	AMDOCS
60	SNEHANSH CHATURVEDI	ITC Infotech
		TCS Ninja
		WIPRO Technologies
61	SOUMYA VERMA	3rd Life
62	SRABONI CHATTORAJ	AMDOCS
63	SULABH MAJUMDER	Capgemini Off campus drive @ TICT
64	SUPARNA ARYA	Capgemini

65	SUSHMI SAHA	Mindtree
		WIPRO Technologies
66	SUSHMITA RUDRA PAL	3rd Life
67	SWARNAVA DUTTA	Capgemini
		WIPRO Technologies
68	TUSHAR SAHA	Idiosys Infotech Pvt. Ltd.
		Techno Exponent

SEMINAR/WORKSHOP/ TRAINING/EVENTS ORGANIZED

REPORT OF TRAINING PROGRAM ON DATA ANALYTICS

A Continuous Training Program was organized by Dept. Of CSE on Data Analytics.The Program was held on 4 Consecutive Saturdays (31st August , 7th September , 14th September, 21st September)in the 1st half only .

The Resource Persons were Mr. Santanu Mukherjee and Mr. Somesh Sarkar , both from Cognizant Kolkata and both are highend working Professional on the domain of Data Analytics in CTS for more than 15 and 10 yrs respectively.

On day 1, Dean of Students affair P.K. Bardhan Sir was available and felicitated the Resource Persons and on the last Day 21st September Pranati Rakshit madam was present and felicitated the Guest of Honour from our end.
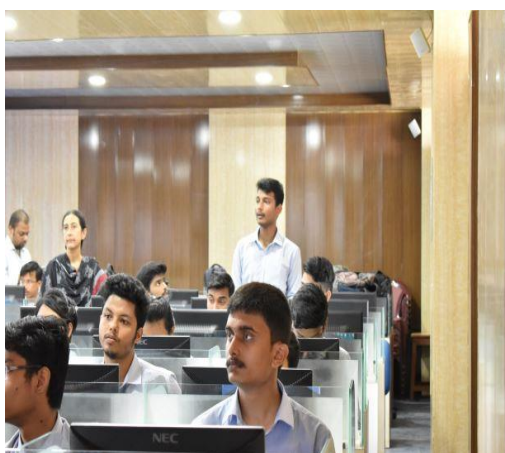
Report on Smart India Hackathon 2019
IIT-kanpur

Team Name	JPLAYERS		
Nodal Center	Indian Institute of Technology, Kanpur		
Ministry	Department of Industrial Policy and Promotion		
Problem Statement No.	#DM1		
Team Size	6		
Institute Name with Address	JIS College of Engineering, Kalyani		
Team Details	NAME	EMAIL	PHONE
Team Leader	Nilesh Kumar	aryannilesh72@gmail.com	9955299781
Team Member1	Jay Prakash	jp024556@gmail.com	9939024556
Team Member2	Pradip Awasthi	awasthipradip100@gmail.com	7003149120
Team Member3	Riya Gorai	monariya02051997@gmail.com	7059122587
Team Member4	Suraj Kumar Shaw	surajshaw770@gmail.com	8101139969
Team Member5	Aquib Jawed	aquib.jwd02@gmail.com	9576477595
Mentor 1	Sumanta Chatterjee	sumanta.chatterjee@jiscollege.ac.in	90882655390
Mentor 2	Apurba Paul	apurba.paul@jiscollege.ac.in	9874752090
Tell us about Your Motivation regarding SIH2019	We were always curious about finding real life problems and solving them. Smart India hackathon is a great platform for finding such problems. We were trying to participate in SIH from last 2 years. We got selected in our 3rd and last attempt. We got our motivation from our mentors and college SPOC ,they told us about this platform and helped us to find a suitable problem statement to work on.		

Share Your Experience (200 words)	It was an amazing experience because we were trying to find the solution of a real life problem under the guidance of industry peoples. The grand finale was a mesmerizing event. The planning and the extra activities we had at our nodal center gave us a wonderful experience. From the complete journey of SIH 2018 we learnt so many new things which were the part of Digital India. And its really a proud feeling to do something for our country. Thanks to SIH 2019.
Most Memorable incident during SIH2017	1. One of our memorable moment of SIH2019 is the evening before the grand finale at our nodal center. Our whole team with our mentors were discussing our plan for tomorrow. 2. The second was the midnight energy drinks where we enjoyed a lot by making jokes about the drinks. 3. And also the speech by the nodal center head which gave us goosebumps by rising the DeshBhakt in us.
Achievements (100 words)	The biggest achievement was getting selected for the grand finale. We didn't won the finale but we won a lot of experience from the journey. In just two today we learnt what actually the country needs from us and how we can make other people happy from our innovation.
Photos link	https://photos.app.goo.gl/S7SFyGVACnV2MYxt5
Snapshot	

RECENT TRENDS IN IT INDUSTRY

By CSI Student Chapter
Department of CSE
JIS College of Engineering
(A Report)
(14thSeptember, 2019)

On 14th September, 2019, CSI Student Chapter yet again held a workshop on a very demanding topic, Recent Trends in IT Industry at B.C. Roy Auditorium at JIS College of Engineering. Guest speakers from Alien Brains Educations basically held this Event. Praveen Behati, Shweta Shaw and Riten Debnath were the guest speakers who interacted very well with the students and helped them to show them the right approach towards the IT industry.

10:00 am to 10:15 am:

All the Dignitaries, Dr Partha Sarkar,the Vice Principal of JIS College of Engineering,Dr Sabyasachi Sen, Dean R and D, P.K. Bardhan, Dean and Student affairs, Dr Dharam Pal Singh, the Head of the Department of Computer Science and Engineering and last but not the least, the guest Speakers were called on the stage to take their places. The dignitaries were

called on the Dias one by one to come and share a few words with the students. Each of their motivational talks really inspired the students and they became more enthusiastic for the workshop.

10:15 am to 11:30 am:

(1ˢᵗ Session)

The session began on a good note with Praveen Behati, one of the chief guests from Alien Brains. His friendly gesture created an easy approachable between him and the students. He poured all sorts of useful information regarding how the 4 years of student life of a computer science engineering must spend, how to make oneself fit for the industry. He shared his own experience of his 4 years of engineering and how he groomed himself.
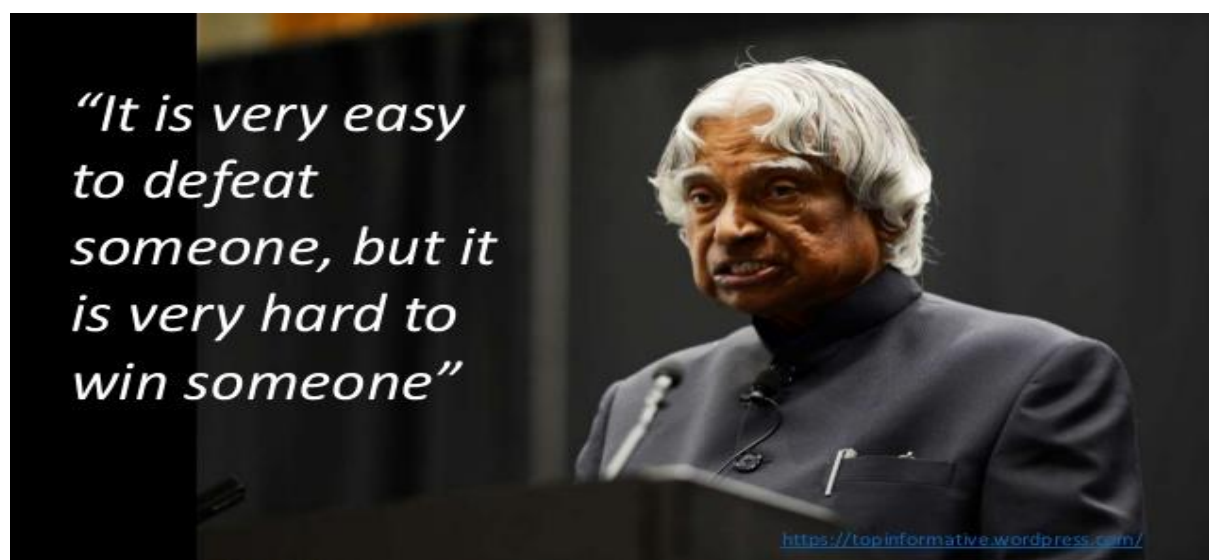
11:45 am to 13:05pm:

(2nd Session)

The 2nd session resumed after 15 minutes of a tea break. Here, all the three guest speakers shared the stage as called for. A question answer session was held, where the professionals answered each and every question which arose in the mind of the students. Many new career suggestions were given. Later, they covered a very trending topic of the industry, i.e., regarding Machine Learning and React JS. This workshop helped the students a lot to open their eyes to where they are standing and how much more improvements or effort much be needed to fit into the industry well.

13:05 pm to 13:30 pm:

The event was finally drawn to a conclusion with the Vote of Thanks by the Student Branch Counsellor of CSI Student Chapter of JIS College of Engineering, Mr. Sudipta Sahana. A token of love in the form of mementoes were given to the guest speakers and the event was called off by announcing that E -Certificates will be provided to all who attended the workshop.

"Strength is Life
Weakness is Death"

Swami Vivekananda
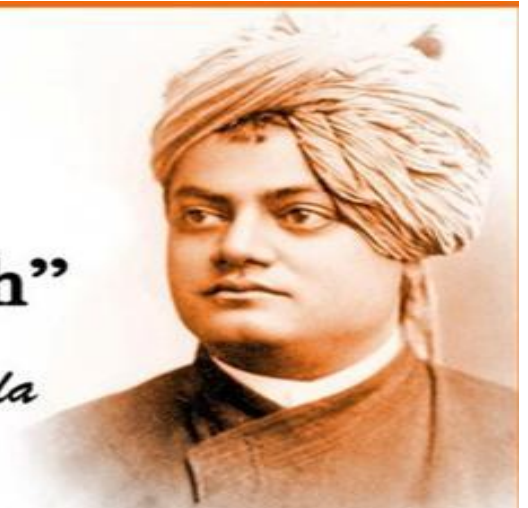
NPTEL Local Chapter

The following students successfully passed the NPTEL Online Certification Examination and they secured good marks from CSE department, JIS College of Engineering .

Achievements in SWAYAM NPTEL

NPTEL TOPPER=3

ELITE GOLD=3

ELITE SILVER=26

ELITE=24

SUCCESSFULLY COMPLETED=7

List of Toppers are Following:

SL	Course Name	Name	Dept	Final Score	Certificate Type	Topper
1	Developing Soft Skills and Personality	NILADRI ROY	CSE	93	Elite+gold	Topper of 2% in this course
2	Developing Soft Skills and Personality	MONALISA DE	CSE	92	Elite+gold	Topper of 2% in this course
3	Developing Soft Skills and Personality	MEHUL KUNDU	CSE	90	Elite+gold	Topper of 5% in this course

S.no	Course Name	Name	Dept	Final Score	Certificate Type
1	Developing Soft Skills and Personality	NILADRI ROY	CSE	93	Elite+gold
2	Developing Soft Skills and Personality	MONALISA DE	CSE	92	Elite+gold
3	Developing Soft Skills and Personality	MEHUL KUNDU	CSE	90	Elite+gold
4	Developing Soft Skills and Personality	ARPAN BOSE	CSE	87	Elite+Silver
5	Programming In Java	KISHOLAY BARUI	CSE	86	Elite+Silver
6	Developing Soft Skills and Personality	SAGNIK RAY	CSE	86	Elite+Silver
7	The Joy of Computing using Python	SUSMITA DAS	CSE	85	Elite+Silver
8	Developing Soft Skills and Personality	SHIVALIK GUPTA	CSE	83	Elite+Silver
9	Developing Soft Skills and Personality	SAYAN DAS	CSE	83	Elite+Silver
10	Developing Soft Skills and Personality	MD SAQUIB ALAM	CSE	82	Elite+Silver
11	Developing Soft Skills and Personality	SOURAV MANDAL	CSE	81	Elite+Silver
12	Developing Soft Skills and Personality	ARIJIT DEBNATH	CSE	81	Elite+Silver
13	Developing Soft Skills and Personality	POULAMI MONDAL	CSE	80	Elite+Silver

14	Developing Soft Skills and Personality	MAYUKH MITRA	CSE	80	Elite+Silver
15	Developing Soft Skills and Personality	SUNNY RAJ	CSE	80	Elite+Silver
16	Developing Soft Skills and Personality	SREEJA CHATTEERJEE	CSE	80	Elite+Silver
17	Developing Soft Skills and Personality	KANKANA GANGULY	CSE	79	Elite+Silver
18	Developing Soft Skills and Personality	SARBAJEET PAUL	CSE	79	Elite+Silver
19	Developing Soft Skills and Personality	APURBA PAL	CSE	79	Elite+Silver
20	Developing Soft Skills and Personality	INDRAJIT NAYEK	CSE	79	Elite+Silver
21	The Joy of Computing using Python	OISHIK CHATTOPADHYAY	CSE	79	Elite+Silver
22	Developing Soft Skills and Personality	DEEP DE	CSE	78	Elite+Silver
23	The Joy of Computing using Python	SANDIPAN DAS	CSE	78	Elite+Silver
24	Developing Soft Skills and Personality	SAJAL MALLICK	CSE	76	Elite+Silver
25	Developing Soft Skills and Personality	MANAS NIDHI	CSE	76	Elite+Silver
26	Developing Soft Skills and Personality	AFTAB ALAM	CSE	76	Elite+Silver
27	Developing Soft Skills and Personality	PRANAY ARYAN	CSE	75	Elite+Silver
28	Developing Soft Skills and Personality	ARUNAVA MONDAL	CSE	75	Elite+Silver
29	Developing Soft Skills and Personality	ABHILASH BANERJEE	CSE	75	Elite+Silver
30	Programming, Data Structures And Algorithms Using Python	SAMAR ANAND	CSE	74	Elite
31	Data Base Management System	ISHAN SAHA	CSE	74	Elite
32	The Joy of Computing using Python	SAUNAK NANDI	CSE	73	Elite
33	Developing Soft Skills and Personality	SUBHASREE DAS	CSE	72	Elite
34	Developing Soft Skills and Personality	SHUVAJIT GAYEN	CSE	72	Elite
35	Developing Soft Skills and Personality	TRISHA HAZRA	CSE	71	Elite
36	Developing Soft Skills and Personality	ARUNIMA DEY	CSE	71	Elite
37	Programming In Java	SHYAM MOHAN KUNWAR	CSE	70	Elite
38	Programming In Java	SREYA GHOSH	CSE	70	Elite
39	Programming in C++	SAMAR ANAND	CSE	69	Elite
40	Programming In Java	PROGATI DEY	CSE	69	Elite
41	Developing Soft Skills and Personality	MAINAK KUNDU	CSE	69	Elite
42	Programming In Java	KUMARI SAKSHI	CSE	68	Elite
43	Programming In Java	SHITAL KUMARI	CSE	67	Elite
44	Developing Soft Skills and Personality	BINAYAK KUNDU	CSE	67	Elite
45	Developing Soft Skills and Personality	DIYA DEY BHOWMICK	CSE	67	Elite
46	Programming In Java	DIPANKAR GHOSHAL	CSE	66	Elite
47	Developing Soft Skills and Personality	SK MD TOUEB RAHAMAN	CSE	66	Elite
48	Developing Soft Skills and Personality	ANANYASAHA	CSE	65	Elite
49	Developing Soft Skills and Personality	PRETI GHOSH	CSE	64	Elite

50	Developing Soft Skills and Personality	PRATYAY AMRIT	CSE	63	Elite
51	Developing Soft Skills and Personality	AMIT KUMAR DUBEY	CSE	62	Elite
52	Developing Soft Skills and Personality	RAMKRISHNA KARMAKAR	CSE	61	Elite
53	Ethics in Engineering Practice	AMITABHA ROUTH	CSE	60	Elite
54	Ethics in Engineering Practice	SAHELI MITRA	CSE	55	Successfully completed
55	Developing Soft Skills and Personality	AKASH SIL	CSE	54	Successfully completed
56	Ethical Hacking	SHIWANSHU KUMAR JHA	CSE	52	Successfully completed
57	Ethics in Engineering Practice	SUBHADIP TALUKDAR	CSE	50	Successfully completed
58	Ethics in Engineering Practice	DEBOSMITA GHOSH	CSE	49	Successfully completed
59	Developing Soft Skills and Personality	ANKIT RAJ	CSE	46	Successfully completed
60	Programming In Java	MANAS HALDER	CSE	45	Successfully completed

MENTORSHIP PROGRAMME

A Mentor is considered to be an individual who is experienced and knowledgeable and therefore he or she assumes the role of a Guide, Advisor or Tutor to a guide an individual having a lesser experience and knowledge. The individual with less experience and knowledge is known as the Mentee.

Mentorships conducted to counsel and guide the students who act as mentee. Every faculty member acts as the mentor of around 10-12 students from each year in CSE department. Approximately 40 - 48 students are assigned as mentee under the supervision of one individual mentor. Students meet with their assigned mentors in regular interval, though, the student can meet with his/her mentor any time regarding any issue.

Learning from mentors assists mentees to gain recognition and acknowledgement for their work and performance from their co-workers. It further provides them with the opportunity to grow further in their careers.

To explore the mentor–mentee relationship with a focus on determining the characteristics of effective mentors and mentees and understanding the factors influencing successful mentoring relationships.

We from department of CSE discussed with our faculty members and identified a number of themes, including the characteristics of effective mentors and mentees, actions of effective mentors, characteristics of successful mentoring relationships, and tactics for successful mentoring relationships. Successful mentoring relationships were characterized by **reciprocity, mutual respect, clear expectations, personal connection, and shared values**. Failed mentoring relationships were characterized by poor communication, lack of commitment, personality differences, perceived (or real) competition, conflicts of interest, and the mentor's lack of experience.

We from department of CSE have introduced Mentorship officiallyto students after we got the Autonomous Statusin 2011. Beforehand the class-incharges used to attend the students and discussed their several issues. The students also discussed their problems with HOD at the time of "HOD Meet" Hour. We from our department have generated an online Googleform and students are continuouslyupdating their information.

Generally, we discuss mentee's expectations of one another, we identify an article or book that a mentor feel would be beneficial for the mentee to read. We ask the mentee about the professional development activities he/she has participated in as a student. We ask the mentee to create a vision for where he/she wants to be in five, ten and/or fifteen years.

We encourage the mentee to get involved in an appropriate professional organization, we share resources. We also consider and collect any resources that might be useful to the mentee.

Mentoring Outcome:

- Increasing the engagement of students through interactions with a mentor,
- Assisting students in developing a mentoring relationship for career development in an effort to increase knowledge, skills, and competencies that may be needed for future job duties or future career advancement.
- Provide an avenue to access available resources and information to support lateral or upward mobility.
- Student development and engagement - engaging students through professional and personal development;
- Aligns with Talent Management Initiative

Now officially we respond their problem in documented form and our Honorable HOD and Register Madam also take personally take care of mentorship. Learning from mentors can assist in personal and career development of mentees in several ways.

Mentees participated in IME 2019, ECO Park

20th Anniversary Celebration

Conversation with the guardian of the mentees during PTM

CSI - WEST BENGAL STATE STUDENT CONVENTION 2K19

(Theme – Machine Intelligence and Internet of Things)

Organized by
CSI STUDENT CHAPTER - JIS COLLEGE OF ENGINEERING

JIS COLLEGE OF ENGINEERING, KALYANI
14th November, 2019

(A Report)

It was a moment of immense pleasure and honour when JIS College of Engineering got the humongous opportunity to conduct the CSI State Convention. On 14th of November, 2019, CSI – WEST BENGAL STATE STUDENT CONVENTION 2K19 was held successfully, with the theme of Machine Learning and Internet of Things, organised by CSI – STUDENT CHAPTER of JIS College of Engineering, Kalyani.

10:10 am onwards, after the registration from 9:00 am to 10:10 am, the convention was commenced grandly at B.C. Roy Auditorium. All our Honourable guests were cordially welcomed in true Indian essence. The convention started with the venerated Lamp Lighting ceremony; followed by calling up the dignitaries on the Dias and felicitating them. A welcome song set up the atmosphere for beginning the convention with positivity.

Soon after the rituals, Dr Malay R. Dave, Principal of JIS College of Engineering was called on the Dias for the welcome address. After his motivating words, Honourable Prof. (Dr) A.K. NAYAK, President of CSI delivered a priceless inaugural speech. Then, Mr. Gautam Hajra, Chairman, CSI Kolkata Chapter was called on the Dias for addressing. Mr. MD Shams Raza, Regional Vice President of CSI, Region-II followed after that. Dr Somnath Mukhopadhyay, Regional Student Coordinator, Region II, CSI, replaced the position on the Dias for addressing. Honourable Chief Guest Prof. (Dr) Saikat Maitra, VC of MAKAUT addressed the gathering and highlighted about the bridge between industry and academia. Finally, the session was concluded with the Vote of Thanks by Dr Partha Sarkar, Vice Principal of JIS

College of Engineering. Students have participated from various institutions across the state like Techno International Batanagar, Narula Institute of Technology, Guru Nanak Institute of Technology, JIS School of Polytechnic, Adamas University and many more. After a short tea break, the convention resumed with the keynote address by Prof. (Dr) J.K. Mandal, Department of CSE, University of Kalyani, followed by Mr. Atul Prakash Agarwal, Managing Director, APT Software. After that, Mr. Snehasis Banerjee, Scientist in TCS Research gave a beneficial speech from the student's point of view on Career/ Job opportunities. The session was concluded by a CSE Alumni, who talked about his own experiences, lightening the path of the student's upcoming unseen future. The convention returned right back after the lunch break with the much awaited three events, held parallelly. These events were completely set up for student's activity purposes.

The Research Paper Presentation, which was held at B.C. Roy Auditorium; Coding Competition, held in computer centre and Technical Poster Presentation at CMS auditorium. The three exuberant activities went on at a time with equal zest and zeal.

After the completion of the three events, all the students were called at the B.C. Roy Auditorium, where the convention was held, for the announcement of results of the three events. The first, second and third prizes for each event were acknowledged along with a cash prize of Rupees 1000/-, 500/- and 300/- respectively.

The first position for Research Paper Presentation was occupied by Dwaipayan Saha, Jesmin Roy, Indrani Mukherjee and Sumanta Chatterjee on the paper entitled "Microcontroller Based Accident Prevention and Safety System for Mountain Road" from JIS College of Engineering. The second position for Research Paper Presentation went to Adnan Ahmad, Astha Singh, Anjali Sharma, Sumanta Chatterjee and Apurba Paul on the paper entitled "Microcontroller Based Anti-Sleep Alarm System" from JIS College of Engineering.

The third position for Research Paper Presentation was for Subhayan Sarkar, Srirup Lahiri, Anusua Biswas, Amrita Das, Subhrajyoti Bhowmick, Sudipta Sahana, Dharmpal Singh and Ira Nath on the paper entitled "Real-Time Local Train Tracking System through HaarCascade Classifier and OCR Model" from JIS College of Engineering.

In the coding competition, the first prize was bagged by Suraj Kumar with a score of 86.36 from Techno International Batanagar. The second prize won by Samar Anand with a score of 77.27 from JIS College of Engineering. And the third prize went to Antara Agarwal with a score of 50 from Techno International Batanagar.

For the last event, Technical Poster Presentation, the 1st position was allotted to Ishon Mollick, Piyali Banerjee, Purba Dutta and Anirzeet Pramanik on the title "Ice Cream Mix Fortified with Vegetable Waste Source" from Guru Nanak Institute of Technology, 2nd position to Swarup Sonar and Anindita Mukherjee on the title "Human Intelligence Inbuilt Robot" from JIS College of Engineering and 3rd position to Sanjay Biswas, Rohit Chatterjee, Pratim Chatterjee on the title "Smart Dustbin" from Guru Nanak Institute of Technology.

After the declaration of results, Mr. Sudipta Sahana, the Student Branch Counsellor of CSI Student Chapter, JIS College of Engineering, shared his experiences with this event and added how the CSI Student Chapter worked hard for the event to be successful.

The eventful day was drawn to a conclusion by the Dr. Dharmpal Singh, the Head of the department of Computer Science and Engineering. The Long day ended by distributing the certificates of participation.

PICTURE GALLERY:

Lamp Lighting by Prof. Saikat Maitra, VC - MAKAUT

Inaugural speech by Prof. A. K. Nayak, President- CSI

Gathering of distinguished guest & students

Convention connects the legends

Research Paper Presentation

Coding Competition

Technical Poster Competition

CSI-WBSSC2K19 Group Photograph

REPORT OF SEMINAR ON THE INTERNET OF THINGS

A Seminar on Internet of Things (IoT) has been organized by the dept. of Computer Science and Engineering, JIS College of Engineering, on the Friday, April 26, 2019 at the college premises in collaboration with the Electro Inventor. This seminar was aimed to cover the technological aspect of IoT in different areas of application. The department of Computer Science & Engineering has organized the seminar under the good guidance of Dr. Dharmpal Singh, Head, Department of Computer Science and Engineering.

Dr. Bikramjit Sarkar was the convener of the aforesaid event. All the remaining faculty of the department were in the organizing committee with their assigned sub duty.

A total number of 44 students from the 1st Year, 2nd Year, 3rd Year and 4th Year of the department of computer Science and Engineering, JIS College of Engineering participated in the aforesaid seminar with their great zeal and zest.

REPORT OF SEMINAR ON THE WORKSHOP ON LINUX

A Workshop on **LINUX** has been organized by the Department of Computer Science and Engineering, JIS College of Engineering, From 29th January to 1st February and 13th, 15th February**,** 2019 at the college premises in collaboration with TEC4TRIC. This workshop was aimed to cover from the very basic of Linux to advanced level and to grow their interest in Linux. The Department of Computer Science & Engineering has organized the seminar under the good guidance of Dr. Dharmpal Singh, Head, Department of Computer Science and Engineering.
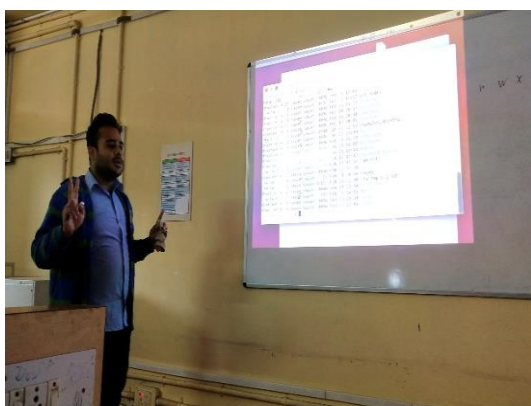
Mr. Apurba Paul was the convener of the aforesaid event. All the remaining faculty of the department were in the organizing committee with their assigned sub duty.

A total number of 45 students from the 2nd Year of department of computer Science and Engineering participated in the aforesaid seminar with their great zeal and zest. We've taken an assessment, where most of them has performed well.

REPORT OF SEMINAR ON ANGULAR JS & NODE JS

A Seminar on Angular JS & Node JS has been organized by the dept. of Computer Science and Engineering, JIS College of Engineering, on the Friday, May 10, 2019 at the college premises in collaboration with the OgmaTech Lab. This seminar was aimed to cover the technological aspect of Angular JS & Node JS in different areas of application. The department of Computer Science & Engineering has organized the seminar under the good guidance of Dr. Dharmpal Singh, Head, Department of Computer Science and Engineering.

Dr. Bikramjit Sarkar was the convener of the aforesaid event. All the remaining faculty of the department were in the organizing committee with their assigned sub duty.

A total number of 42 students from the 2nd Year, 3rd Year and 4th Year of the department of computer Science and Engineering, JIS College of Engineering participated in the aforesaid seminar with their great zeal and zest.

Student's Speak

The Computer Science and Engineering Department of JIS COLLEGE OF ENGINEERING is producing quality graduates trained in latest tools and technologies of this era and striving to make India a world leader in software and hardware products and services. Computers are incredibly fast, accurate and stupid.....humans are incredibly slow, inaccurate and brilliant together they are powerful combinations beyond imagination....The interface provided by the department is truly an amazing experience for the students of the institution.

Shruti Kulshrestha (4th Year CSE)

Department of Computer Science & Engineering of JIS College of Engineering is very nice. All the faculty members of this department are highly qualified and co-operative. They provide tremendous support to students. They keep update students with seminars, conference presentations, tech fest and many more from time to time. Innovative projects are also prepared with their support in each semester which build the developing skills among students.

Rup Saha (4th Year CSE)
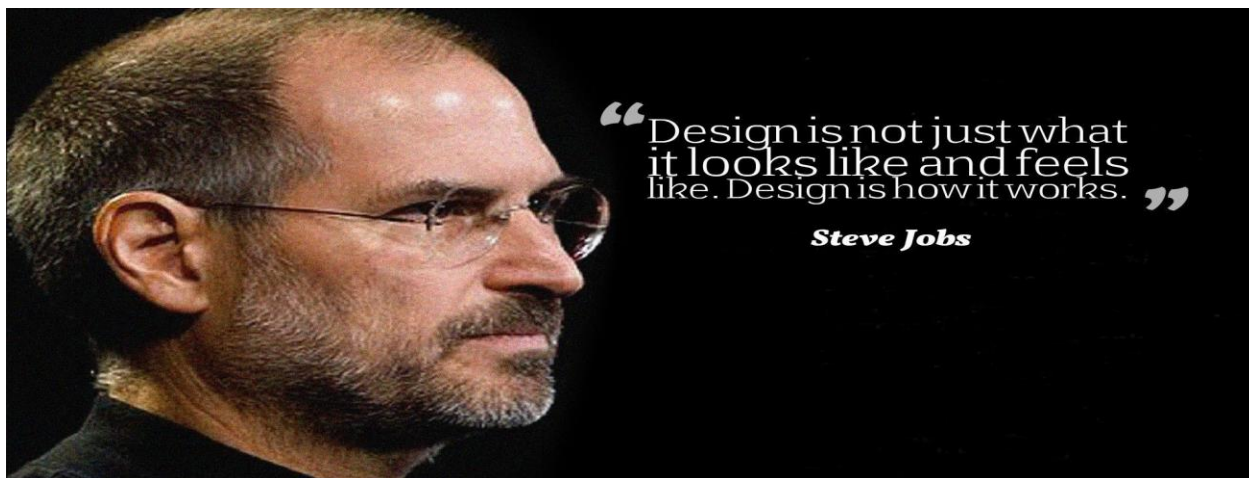
Alumni Speaks:

Thank you CSE Dept., JISCE, to help me open my eyes and see the professional world. I take great pride to say, that whatever I am today, CSE Dept of JISCE has played a major role to enrich my technical skills, and gave me the courage to explore different dimensions into this field. I give all credit to the erudite faculty for the professional enrichment of so many students like me.

Krishnayan Gupta (Software Developer, Amazon India)

I'm Aurgha, currently studying M.Tech in Computer Engg and application in Rajabazar science college.I would like to Share my thoughts about this wonderful dept where i completed my B.Tech. My department & my teachers/mentors have been very helpful and have always provided me support through all means throughout these 4 years . Each faculty present in this department have immense knowledge and experience and have always guided us towards the right direction.

Argha Nandi (M.Tech Student, Calcutta University)

Computer Science & Engineering is one of the major departments of technology since the establishment of this institution. It comprises adequate members with exceptional skills and expertise in the allied areas of technologies. Our faculties are very cooperative and obliging, it's our honor to get a prospect to be trained by them. It has well developed lab with all the requisite equipment. I am really very propitious and delighted to state that I am a part of this department and the Organization.

Komal Gupta (Software Developer,TCS)

Dr.Dharmpal Singh
HOD/CSE

Mr .Sumanta Chatterjee,
Asst. Professor/CSE

Mr. Apurba Paul
Asst .Professor/CSE