S.I.W.S.

N. R. SWAMY COLLEGE OF COMMERCE & ECONOMICS
AND
SMT. THIRUMALAI COLLEGE OF SCIENCE

Plot No. 337, Sewri - Wadala Estate,
Major R. Parameshwaran Marg, Wadala, Mumbai - 400 031

DEPARTMENT OF COMPUTER SCIENCE

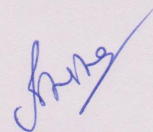### ANNUAL REPORT

ACADEMIC YEAR : 2019-2020

DATE: 16/03/2020

The Department organized the following activities for the Students in the year 2019-2020:

1) CERTIFICATE COURSES

1. **'Cyber Security'** a short term course was conducted by **IDEMI (Institute for Design of Electrical Measuring Instruments),** a Govt of India Organisation from 1st May to 9th May,2019. Thirteen students and one faculty member participated in the short term course and Certificates were awarded to them by IDEMI in association with S.I.W.S College.

2. A Seminar was organized by the Department in collaboration with HD Media Link Ltd on **'Project Implementation'** on 12th July, 2019. The Resource Person was Mr. Christopher Lopez for T.Y.B.Sc students and students found it very useful as it helped in implementing their projects in various application areas.

3. **'Digital Marketing'** short term course was conducted by **IDEMI (Institute for Design of Electrical Measuring Instruments),** a Govt of India Organisation College from 10th August to 23rd August, 2019. Twelve students participated in the short term course and Certificates were awarded to them by IDEMI in association with S.I.W.S College.

4. **'Cyber Security and Ethical Hacking'** A short-term course was conducted by **IDEMI (Institute for Design of Electrical Measuring Instruments),** a Govt. of India Organisation from 2nd December to 11th December 2019, on **'Cyber Security and Ethical Hacking'.** Twenty two students participated in the short term course and Certificates were awarded to them by IDEMI in association with S.I.W.S College.

1

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5. The Department of Computer Science in collaboration with IDEMI, Mumbai (Under Ministry of MSME, Govt of India) organized a **Short Term Certification Course** on **'Graphics Design'** from 18th May to 29th May,2020.

   This Online course was conducted on "Google Meet" – a safe and secure google platform with our esteemed speaker, Mr. Rishikanta Thingnam who is a well experienced Graphic Designer and Visualiser at IDEMI. Mr.Nilesh Sharma, Department Coordinator of Animation Department at IDEMI also supported relentlessly and the softwares introduced were Photoshop and Adobe Illustrator. Overall, it was an interesting , interactive course and the methodology was quite hands on. The graphical assignments with the help of Google classroom were a booster that motivated the participants enthusiastically. It had an overwhelming response with 63 participants which included 27% Faculty,58.7% Students and 27% others all over Maharashtra and other states.

6. Department organized **career guidance webinar** for Junior college students from various colleges from Mumbai on 8th June,2020 . This webinar was specially organized for science stream students where all possible career Opportunities were explained to the students. Mrs. Suchita Revankar of Computer Science Department was the Resource person. From medical field to all types of professional courses fields were explained to all students. All branches of Engineering, Architecture, Agriculture, Biotechnology and Nanotechnology and many more sectors of carrier available were discussed with the students. Also students were given brief idea about admission procedure and Required documents for the admission. The session was fruitful for students and they were happy to know about opportunities and the process of admission.

7. **The Department of Computer Science had organized Inter-Collegiate PUBG Mobile tournament from June 17th to June 20th, 2020. (12:30 p.m. to 08:30 p.m.)** This Online tournament was conducted in-Game (PUBG Mobile) – a convenient way to conduct tournaments online arranged by Mr. Atharva M. Apastamb, Mr. Nishant Puthran and Mr. Savio Fernando. This tournament was divided in three stages, Qualifiers 1, Qualifiers 2 and Finals. Qualifiers 1 was held on June 17th, Qualifiers 2 was held on June 18th, and Finals were held on June 19th and June 20th [Finals (4

matches per day)]. The matches started from 12:30 p.m. and the last match at 08:30 p.m. Everything was held punctually so that every participant enjoyed participating. There were very fair games conducted so that the most deserving participant goes ahead. Top 6 teams received certificates and the 1st Winner received Rs.200 Cash prize. There was an overwhelming response from all the participants. Total of 256 students participated from various colleges and states.

8. **The Department of Computer Science organized an International Webinar Series 'Revolution In Computing Trends' from 16th to 18th July,2020.**

   DAY 1: The title for 16 July 2020 was **'Digital Trends And IS Security'** and the speakers were N.S. Nanda Kishore, Chief Executive Officer, Novac Technology Solutions, V. Sendil Kumar, Chief Infrastructure Officer Novac Technology Solutions and T.S. Rao, Chief Software Quality Officer Novac Technology Solutions. The topics covered were Consumer Behaviour, Digital Strategy, Technology Trend, Social Media Strategy, Career Trends and Data Centres.

   DAY 2: **'Emergence Of Cognitive Enterprise'**

   The topics covered were Cognitive Enterprise Blueprint, Transitioning from Legacy to New, Artificial Intelligence, IoTand 5G. IBM SQUAD message to Students was instead of depressing yourselves in current scenario upgrade yourselves with new skillsets and knowledge'.

   DAY 3: The title was **'Data Integration'** and Nidhi Mehrotra, Data Engineer Graduate Management Admissions Council Reston, Virginia U.S.A. was the speaker. The webinar had an overwhelming response with 960 participants divided between Faculty (43%), Students (50%) and diversified professionals (7%) from all over the world including Sydney, U.S.A, Dubai, Philippines, Bangalore, Hyderabad, West Bengal, Punjab, Mohali, Bihar, Jammu, Tirunelveli, Bhopal, Coimbatore, Varanasi and many more. Participants had expressed desire to be a part of such sessions from SIWS in the future.

2) RESONANCE –INTERCOLLEGIATE TECHNICAL EVENT

This event was organized from 7th to 8th February,2020. Various Colleges from all over Mumbai participated in the event. The students exhibited various models on Technology.

3

The star event of the Intercollegiate was 'Robo Sumo' which attracted students from various colleges. The cash prizes and trophies were distributed to the Prize Winners.

3) INDUSTRIAL VISIT

The Department has organized **Industrial Visit to Jaipur** from 4 to 8 Jan, 2020. The students visited the company named **TRACKING GENIE**. The students were introduced to GPS based Vehicle Tracking Device which is one of the integral part and it helps to keep a constant eye on the moving asset. Vehicle theft is prime concern for every Vehicle owner. The solution by the company can prevent this risk for the vehicle. Vehicle Tracking Device fulfils this requirement. Being a real time GPS Tracker, these devices tracks every single move of the vehicle which one can observe from any corner of globe. The students were also introduced to Software's like SQL, JAVA, PYTHON and were shown with real-time functioning of hardware devices like IMEI tool, Sim Card, GPS Tracking, Live Satellite Monitoring and got complete guidance on developing real time project life cycle, which is a part of their Curriculum. The Models used for the development of the device is Waterfall Model. The industrial visit also provided an insight on how the company works and useful information related to the practical aspects. The students practically gained knowledge through interaction, looking at the working methods and employment practices.

STAFF ACHIEVEMENT

Suchita Revankar

a) Appointed as External Examiner for T.Y B.S.c(Computer Science) Semester V Practical Examination by University of Mumbai at Mumbai College in the month of October,2019.
b) Appointed as External Examiner for T.Y B.S.c(Information Technology) Semester V Practical Examination (Project Implementation) by University of Mumbai at VSIT,Wadala in the month of October,2019.
c) Participated in One day National Conference on "Artificial Intelligence: Future of Journalism"on January 18,2020.
d) **Published Book** titled **"Cyber Forensics"** in November,2019 for T.Y B.S.c(Computer Science) Semester VI students with Sheth Publications.
e) Attended the **Leadership Program** at Shanmukananda Hall.The session was conducted by **MD-Nestle India Ltd.**
f) Organizing committee Member **for Faculty Development Program** organized by IQAC Unit of S.I.W.S College on Digital Marketing on February 8, 2020.

Mona Marwaha

a) Appointed as External Examiner for T.Y B.S.c(Computer Science) Semester V Practical Examination by University of Mumbai at Mumbai College in the month of October,2019.

b) Appointed as External Examiner for T.Y B.S.c(Information Technology) Semester V Practical Examination (Project Implementation) by University of Mumbai at VSIT,Wadala in the month of October,2019.

c) Participated in Revised Syllabus Implementation Workshop for M.S.c(IT) in UDIT,Kalina on August 14,2019.

d) **Published Book** titled **"Information Retreival"** in November,2019 for T.Y B.S.c(Computer Science) Semester VI students with Sheth Publications.

e) Organizing committee Member **for Faculty Development Program** organized by IQAC Unit of S.I.W.S College on Digital Marketing on February 8, 2020.

Muskaan Kursija

a) Appointed as External Examiner for T.Y B.S.c(Computer Science) Semester V Practical Examination by University of Mumbai at Mumbai College in the month of October,2019.

b) Participated in Revised Syllabus Implementation Workshop for M.Sc. (IT) in the subject of Data Science Practical in MCC,Mulund on August 14,2019.

c) Appointed as External Examiner for M.Sc. Information Technology) Part 2 Practical Examination by University of Mumbai at S.I.E.S College from January 13,2020 to January 16,2020.

d) Organizing committee Member **for Faculty Development Program** organized by IQAC Unit of S.I.W.S College on Digital Marketing on February 8, 2020.

STUDENTS ACHIEVEMENTS

S.No	Student Name	Date	Name of the Event	Name of the College	Prize
1.	Akbar Ali	3/1/2020	Debugging	RamnarianRuia College	2nd prize
2.	MusharibShaikh	19/12/2019	COD Mobile	Acharya College	2nd prize
		19/12/2019	COUNTER STRIKE 1.6	Acharya College	2nd prize
3.	Bilal Shaikh	9/1/2020	COUNTER STRIKE 1.6	Elphinstone College	2nd prize
		11/1/2020	Rubix	S.I.W.S. College	1st prize
4.	Ahmed Shaikh	3/1/2020	PUBG Mobile	S.I.E.S. College	2nd prize

				MODEL	
5.	Savio Fernando	16/12/2019	NFS	College	2nd prize
		16/12/2019	COUNTER STRIKE 1.6	MODEL College	2nd prize
		18/12/2019	NFS	Acharya College	1st prize
		19/12/2019	COUNTER STRIKE 1.6	Acharya College	2nd prize
		19/12/2019	COUNTER STRIKE 1.6	Acharya College	1st prize
		9/1/2020	COUNTER STRIKE 1.6	Elphinstone College	2nd prize
		3/1/2020	COUNTER STRIKE 1.6	RamnarianRuia College	2nd prize
6.	PrashanthBhandari	16/12/2019	COD Mobile	MODEL College	2nd prize
		19/12/2019	COD Mobile	Acharya College	2nd prize
		3/1/2020	COD Mobile	S.I.E.S. College	2nd prize
		9/1/2020	COUNTER STRIKE 1.6	Elphinstone College	2nd prize
		3/1/2020	PUBG Mobile	S.I.E.S. College	1st prize
7.	NishantPuthran	16/12/19	COD Mobile	MODEL College	2nd prize
		3/1/2020	PUBG Mobile	S.I.E.S. College	2nd prize
8.	Prashanth Sharma	3/1/2020	PUBG Mobile	S.I.E.S. College	1st prize
9.	AtharvaApastamb	16/12/2019	COD Mobile	MODEL College	2nd prize
		19/12/2019	COD Mobile	Acharya College	2nd prize
		3/1/2020	PUBG Mobile	S.I.E.S. College	1st prize
		9/1/2020	COUNTER STRIKE 1.6	Elphinstone College	2nd prize
10.	Sumanth Devadiga	16/12/2019	COD Mobile	Model College	2nd prize
		19/12/2019	COD Mobile	Acharya College	2nd prize
11.	LaxminarayanMohanty	16/12/2019	COD Mobile	MODEL College	2nd prize
		19/12/2019	carrom	Acharya College	2nd prize
12.	PavanrajMahadk	1/4/2019	Chess Championship	SIWS College	1st prize
		19/12/2019	Chess Championship	Acharya College	1st prize

6

13.	Shweta Kamlakar Hastikar	10/10/2019	Rangoli Competition	State Level	1st prize
14.	SaifMunshi		Poetry Competition SWASTIKA	SIWS College	1st Prize

Vice Principal

Principal