ABES INSTITUTE OF TECHNOLOGY

e-Newsletter

January– June 2018   Volume -1 Issue –1

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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About The Department

The Department of Computer Science & Engineering was formed in the year 2007-08. It provides a supportive and friendly environment for teaching, learning and research. Department is nurtured by its clubs/committee under the mentoring and monitoring of Prof. (Dr.) Dilkeshwar Pandey .

The Department conducts various Seminars and Workshops at regular intervals to keep students updated with the latest trends in the Industry. It also provides ample opportunities to students to work on live projects develop communication skills, Internship in industry, guidance for further studies on world-class universities and take part in National and International competitions. Students are encouraged to come up with Innovative ideas where   feasibility of idea and working concept is done in CoEs, and   prototype development and leading towards start-up is done in ABESIT-Technology   Business Incubator.

Vision of Department

"To provide excellence by imparting knowledge and enrich the problem solving skills of the students for carrying out research with a focus to prepare them as per industry needs, recognized as innovative leader and a responsible citizen."

Mission of Department

- Enhancing the problem solving and programming skills with profound fundamental concepts and analytical ability.

- Providing an environment of quality education through academic practices, faculty development program & research oriented activities.

- Provide a learning ambience to enhance innovations, leadership qualities, team-spirit and ethical responsibilities.

From HOD's Desk

The Department of Computer Science and Engineering has recorded consistent improvement in its academic, research and placement performance, to   meet the changing requirement of the Industry. The course curriculum is taught by   Faculty combining academic excellence and real world experience with dedication and commitment. The Newsletter covering   various activities by the students and faculty in academic, co-curricular, extra-curricular as well as   research & developments. I would like to thank Editorial Board for e-Newsletter and all my colleagues for their tireless efforts to help the department progress at a very steady pace. With this brief introduction, I welcome you all to be a part of our journey towards   excellence in education, training and research.

Dr. Dilkeshwar Pandey, HOD-CSE

From Editor's Desk...

The Editorial Board is glad to release this issue of e- Newsletter of Department of Computer Science and Engineering . This serves as a window to the readers , to know about the continuity of growth and progress of Department in terms of adding feathers in the cap by winning Awards at National Level competitions and shows glimpses of   Workshops, Guest lectures, Industrial Exposure, Excellent Training and Placements, Cultural Events, Outstanding Results etc. The Editorial Board would like to make   special mention of the tremendous support and   guidance of our Advisor - Dr. Vipin Garg, Director – Prof.(Dr). Bhavesh Kumar Chauhan, Head of the Department – Prof. (Dr.) Dilkeshwar Pandey, this work would not have come up, without their valuable advice and everlasting inspiration. We would also like to thank Management and all CSE Department family members for their kind support. We hope you will enjoy reading this Issue of the e-NEWSLETTER. We welcome your feedback on any aspect of the newsletter.

Prof. Archana Sharma—Editor

Department Events

Expert Talks / Guest Lectures

1. A **Guest Lecture** on "Computer Animation" was organized on 21st February, 2018, for the students of third-year CSE . The resource person was Prof. (Dr). R. Rama Kishore, Associate Professor in University School of Information & Communication Technology, Guru Govind Singh Indraprastha University.

2. Department of Computer Science and Engineering organized an **Expert Talk** on '**Java Programming Language**' on 28th March, 2018. The session had been conducted by **Mr. Amit Verma and Mr. Ashish Mishra**, founder of **Pupil Store** Company. It was intended on providing students with practical knowledge about utilizing frameworks for creating various applications.

3. An **Expert Talk** was organized on '**Placement Session**' on 29th March, 2018. The session was conducted by **Mr. Amit Verma**, Co-Founder of Pupil Store and working as Software Developer in Head Strong and **Mr. Ashish Mishra**, founder of Pupil Store Company

4. An **Expert Talk** was organized on '**Big Data**' on 30th March, 2018 by Department of Computer Science & Engineering and . All the students of CSE attended the Expert Talk. It was conducted by **Mr. Kuldeep Singh,** Big Data Expert from CETPA INFOTECH.

5. An **Expert talk** on "**Artificial Intelligence**" was organized on 6th April, 2018 by the Computer Science & Engineering department. All the students of the third year CSE attended the session. The Session was conducted by **Dr. Rajeev Kumar**, Associate Professor, NSIT Delhi .

Weekend Training Program on Python

The department of Computer Science and Engineering in association with **Aptron Solutions Noida**, organised a Weekend Training Program on Python **from 9th September, 2017 to 3rd February, 2018.**

Weekend Training Program on JAVA

The training session for 2nd year CSE students was conducted by **Mr. Amit Verma** and **Mr. Ashish Mishra**, founder of Pupil Store company from 7th April to 22nd of April 2018.

TETRAHEDRON-2017

Computer Science & Engineering Department, ABESIT, with joint effort of the Computer Society of India (CSI), organized an event "TETRAHEDRON" on 10th and 11th of November 2017 in order to explore and showcase the   talents of aspirant undergraduate students. Approx283 Students from different Institutes of NCR Region affiliated to AKTU Lucknow, had registered for the events such as Quiz, Group Discussion, Coding, Gaming, Android etc.

The event commenced with lighting of the Ceremonial Lamp by Chief Guest-Mr. Anilji Garg, Chairman, CSI Ghaziabad Chapter; Mr. Saurabh Agarwal, former Chairman, CSI Ghaziabad Chapter; Prof. (Dr.) Bhavesh Kumar Chauhan Director, ABESIT;   Prof. (Dr.) Dilkeshwar Pandey HOD CSE;   Prof. Bipin Rai , Department of In-charge IT.

 The Valedictory Session was organized on 11th of November 2017, in which Chief Guest- Prof. (Dr.) Manoj Kumar Pandey, Director SRM University, motivated the participants to continue their participation in such types of events with full enthusiasm. The certificates and trophies were felicitated to all the participants.

S.No.	Name	College	Position	Cash Prize
QUIZ (C/C++)				
1.	Harshit Aggarwal	ABESIT	1st	1000
2.	Ashwani Kumar	ITS	2nd	500
3.	Shubham Bhardwaj	RKGIT	3rd	100
QUIZ (JAVA)				
4.	Prashant Sharma	ABESIT	1st	1000
5.	Ashish Shukla	ABESIT	2nd	500
6.	PiyushDua	ABESIT	3rd	100
Group Discussion				
7.	Monika Singh Patel	ABESIT	1st	1000
8.	Khushi Prasad	ABESIT	2nd	500
9.	Abhijeet	ABESIT	3rd	100
CODING (JAVA)				
10.	ShivendraVerma	ABESEC	1st	1000
11.	Saloni Tandon	ABESEC	2nd	500
12	Devraj Kumar	ABESIT	3rd	100
CODING (C/C++)				
13.	Shivendra Verma	ABESEC	1st	1000
14.	Mitali Saxena	ABESEC	2nd	500
15.	Vasu Awasthi	IMS	3rd	100
GAMING (C.S) (Team of 4 Members)				
16. IWNL	Parichay Agarwal	ABESIT	1st	1000
	Ashish Skula	ABESIT	1st	
	Avinash Mishra	ABESIT	1st	
	Rahul Prakash Tiwari	ABESIT	1st	
17. SEAL TEAM	Ankit Kumar Roy	ABESIT	2nd	500
	Ayush Shroff	ABESIT	2nd	
	Shubham Shrivastava	ABESIT	2nd	
	Shivam Yadav	ABESIT	2nd	
	Ravi Goel	ABESIT	3rd	100
	Sachin Singh	ABESIT	3rd	
	DhananjayVerma	ABESIT	3rd	
	Shivam Chaudhary	ABESIT	3rd	
ANDROID (Team of 2 members)				
18.	Mitul Gautam, Tanya Goel	ABESIT	1st	1000
19.	Kunal Goswani, Dimple Mehta	ABESIT	2nd	500
20.	Nikhil Dhiman, Manish Kumar	ABESIT	3rd	100
GAMING (NEED FOR SPEED)				
21.	Utkarsh Srivastav	ABESIT	1st	1000
22	Ravi Goyal	ABESIT	2nd	500
23.	Akshay Sahdev	ABESIT	3rd	100

BIGDATATHON'18

The Department of Computer Science and Engineering in association with the Computer Society of India, Ghaziabad chapter organised a National Level Project Competition "BIGDATATHON'18" from 19th to 21st of April 2018. The Inaugural ceremony commenced on the 19th April 2018, by invoking the blessings of Maa Saraswati through Lamp Lighting followed by Saraswati Vandana by Kanak Sharma (2nd Year CSE). The event was graced by benign presence of Chief Guest- Mr. Girish Mudgal , Assistant General Manager, HR-TCS; Dr. Manoj Kumar Pandey, Chairman of CSI & Director of SRM University, Ghaziabad; Mr. Anil Ji Garg, Former Chairman of the CSI Chapter; Mr. Saurabh Agarwal, Head, Strategy and Delivery, TCS, Noida; Mr. Saurabh Jain, Head of the Paytm-'Build for India'; Prof.(Dr.) Bhavesh Kumar Chauhan- Director-ABESIT; Prof.(Dr.)Dilkeshwar Pandey, Head- CSE Department; Prof. Bipin Kumar Rai -Department In charge IT .

 The event was marked by an enthusiastic participation of more than 300 students from various Institutes of Delhi and NCR Region. Prof. (Dr.) Bhavesh Kumar Chauhan welcomed all the dignitaries with words of gratitude and blessed the participants with his encouraging communique. After the Inaugural Session, BIG QUIZ was conducted on Big Data, C++ and Java. Further, BIG QUIZ (Round 2), a Debate on Big Data, Speaker Session, Big Idea and Big War had been organized on day-2 and day-3.

In the culmination ceremony Prof.(Dr.) Dilkeshwar Pandey– HOD CSE, congratulated the winners and appreciated the organizing team for their relentless efforts.

BIG WAR PROJECT COMPETITION (17 TEAMS PARTICIPATED)			
Name	**College**	**Position**	**Cash Prize**
Rahul Bandhan & Team	ABESIT	1st	Rs. 15000
Devraj Kumar & Team	ABESIT	2nd	Rs. 8000
Shivam Choudhury & Team	ABESIT	3rd	Rs.5000
BIG QUIZ COMPETITION(303 PARTICIPANTS)			
Prashant Sharma	ABESIT	1st	Rs. 3000
Parichay Agarwal	ABESIT	2nd	Rs. 2000
Vishal Giri	ABESEC	3rd	Rs. 1000
BIG IDEA COMPETITION (10 TEAMS PARTICIPATED)			
Aakansh Singhal & Team	ABESIT	1st	Rs. 3000
Ayashkant & team	ABESIT	2nd	Rs. 2000
Vartika Singh & team	ABESIT	3rd	Rs. 1000
BIG DEBATE COMPETITION (30 PARTICIPANTS)			
Akansha Pandey	KIET	1st	Rs. 3000
Karan Pratap Singh	ABESIT	2nd	Rs. 2000
Pulkit Srivastava	GNIOT	3rd	Rs. 1000

Students Achievements

Smart India Hackathon 2018

Smart India Hackathon 2018 is a non-stop digital product development competition, organized by AICTE, Govt. of India and promoted by the Ministry of Human Resource Development. Smart India Hackathon-2018 (Software Edition) – Grand Finale scheduled on 30th and 31st of March 2018. There were 12047 team submissions (1 Lac participants approximately) for the event out of which 1296 shortlisted teams participated in the Grand Finale.

8 Teams from ABESIT participated in the country's biggest digital programming contest 'Smart India Hackathon-2018' Grand finale at various cities like Bhopal, Indore, Mumbai, Nagpur, Bhubaneswar, Guwahati, Kurnool, and Hyderabad; out of which three teams scored positions and awarded in Smart India Hackathon 2018, mentioned as below :-

★ **Team Tech Amigos secured 2nd position and received the cheque of Rs. 75,000/-**

Govt./Ministry : Department of Food & Public Distribution, Ministry of Consumer Affairs, food & public distribution, Government of India.

Title   : Service to the nation

Team Leader   : Arjit Madan (3CSE)

Team Members : Aman Raj, Ayush Sharma, Akanksha, Umair Ansari, Manish Kumar

Place for Grand Finale (SIH2018): Mumbai

Team Tech Amigos receiving the cheque of Rs. 75,000/

★ **Team Divergent Secured 3rd position and received the cheque of Rs. 50,000/-**

Govt./Ministry : Ministry of Skill Development & Entrepreneurship, Government of India

Title   : Skill India App

Team Leader   : Pranjal Kumar Singh (4CSE)

Team Members : Arjita Bhargava, Pooja Sharma, Prateek Kapoor, Priyanka Chaudhary, Shubham Jain.

Place for Grand Finale (SIH2018): Bhubaneshwar

Team Divergent receiving the cheque of Rs. 50,000/-

★ **Team Salvatore got KPIT inspiration award and received the cheque of Rs. 10,000/-**

Govt./Ministry   : Government of Arunachal Pradesh

Title   : GIS based mobile application for Emergency Response System for Disaster Situation

Team Leader   : Piyush Kumar (4IT)

Team Members   : Anushka Singh, Stuti Swarnkar, Shivam Chaudhary, Shiva Tiwari, Devraj Kumar.

Place for Grand Finale (SIH2018): Hyderabad

Team Salvatore receiving the cheque of Rs. 10,000/-

COLLEGE FEST FESTIN-O-BEATS 9.0

S.no.	Event	Student's Name	Position
1	Solo Dance	Ramnika Jain	1st
2	Fashion Jalwa	Arunav Malhotra	1st
		Himanshi Bhatnagar	1st
3	Face Painting	Puneet Chaudhary	2nd
		Neeraj Singh	2nd
4	Poster Making	Simran Singh	2nd
		Anmol	2nd
5	Group Dance	Priya Gautam	3rd
		Archana Singh	3rd
		Pragati Kesharwani	3rd
		Somya Sharma	3rd
		Rahul Bhardwaj	3rd
		Vishal Verma	3rd
		Aman Srivastava	3rd
6	War of Bands	Prateek Khandelwal	3rd
		Piyush Munjal	3rd
		Shreshtha Dubey	3rd
		Kapil Dev	3rd
7	Rangoli	Km. Chandani Jaiswal	3rd
		Neeraj Singh	3rd
		Riya Kanchan	3rd
		Shubhangi Sangal	3rd
8	Collage Making	Neeraj Singh	3rd
		Puneet Chaudhary	3rd

Dr. Abdul Kalam Zonal Sports Fest-2018

AKTU, Lucknow organised Zonal Sports Fest-2018 at ABESIT from 23rd to 25th of January, 2018 .   15 teams from Ghaziabad region are participated in various sports events. Following are the list of CSE Students who were awarded with Medals and Certificates:

S.No.	STUDENT NAME	CATEGORY	MEDAL
1	RUCHI SHARMA	BASKETBALL GIRLS	SILVER
2	KANIKA GUPTA		
3	RAMNIKA JAIN		
4	DIVYA SHARMA		
5	DIMPLE MEHTA		
6	SHIVAM CHAUDHARY	BASKETBALL BOYS	BRONZE
7	SARTHAK SHARMA		
8	ALKESH VERMA		
9	AMAN SAXENA		
10	DEEPAK TEOTIA		
11	DIMPLE MEHTA	JAVELIN THROW GIRLS	BRONZE
12	KUNAL GOSWAMI	VOLLEYBALL BOYS	BRONZE
13	KARTIK CHAUDHARY		
14	AMAN SAXENA		
15	ASHUTOSH SHARMA		
16	NIPUN TYAGI	BEDMINTON SINGLES BOYS	BRONZE

AKTU State Level Arts and Cualtural FEST-2018

Ms. Ramnika Jain - student 2nd Year CSE, won a Bronze medal in solo dance, AKTU State Level Arts and Cultural FEST-2018 held at IET Lucknow.

Faculty Publications & Participation

Faculty Participation

Prof. Rizwan Khan, Prof. Archana Sharma , Prof. Upendra Tiwari, Prof. Priti Gangania attended a five-day Faculty Development Program on **"ANDROID APP   DEVELOP-MENT"**, sponsored by Dr. APJ Abdul Kalam Technical University under the Technical Education Quality Improvement Programme Phase III, at ABESIT, Ghaziabad from 15th to 19th of March, 2018

Prof. Archana Sharma and Prof. Garima, attended a five-day Faculty Development Program on **"OUTCOME BASED EDUCATION – TEACHING, LEARNING AND EVALVATION"**, sponsored by Dr. APJ Abdul Kalam Technical University under the Technical Education Quality Improvement Programme Phase III, at ABESEC, Ghaziabad from 18th to 22nd of JUNE, 2018.

Prof. Pawan Sharma Attended One week Faculty Development Programme on **Soft Computing: Techniques, Tools and Applications** held from 11th to 15th June, 2018 at JSSATE, Noida.

Prof. Kajol Mittal attended a one week faculty development programme on **AI and Machine Learning** jointly organized by Electronics and ICT Academies through National Knowledge Network under the Scheme of financial assistance for setting up of Electronic and ICT Academies by the Ministry of Electronic and Information Technology (MeitY), Government of India from 04 June-08 June, 2018 at C-DAC Noida.

Excellent Research Publication by Faculty and Students

⇒ **35 Reasearch Papers** published by Faculty members in various national and international conferences and journals.

⇒ **49 Reasearch Papers** published by Students based on their final year projects in various journals.

Google Developer Student Club Program

Vanshika Garg, CSE-3rd Year, added another feathers in the cap of ABESIT as an ambassador for Google Developer Student Club Program. She has attended world's first summit of Developer Student Club by Google Developers as a Developer Student Club Lead at Goa, India from 22nd to 25th February 2018.

Placement & Industrial Visit

Industrial visit of CSE students to CEBS Worlwide, Noida

Students of Computer Science & Engineering 3rd year visited "**CEBS Worldwide**", Sector 63, Noida on April 21, 2018 accompanied by faculty members Prof. Avinash Kumar Sharma, Prof. Pawan Sharma, Prof. Preeti Gangania .

At CEBS, Mr.Anurag Dubey(H.R) motivated the students about various key areas where they can build their career in the today's scenario of corporate world. A session was conducted for the students where the speaker talked about the various testing principles, methodologies and upcoming trends in the software development organizations. He also discussed about the various programming languages used in software development. The speaker answered number of queries posted by the students in the query session.

Placements of CSE Students

No. Of Students Placed

- ■ Adeptia India
- ■ Amazon
- ■ AppInventiv
- ■ AppSierra
- ■ Augmatiks
- ■ Collabera
- ■ Eninov Systems
- ■ Fluper Ltd
- ■ Genpact
- ■ Grid Infocom
- ■ HestaBit Technologies
- ■ Hitachi Consulting
- ■ IBM India
- ■ Justdial Ltd.
- ■ Nucleus Software
- ■ Paytm
- ■ QA InfoTech
- ■ Smalt and Beryl
- ■ Sofocle Technologies
- ■ Spikeway
- ■ VVDN Technologies
- ■ Augmatiks
- ■ NIIT Technologies