

insightIT

Department of Information Technology

Bi-Annual Magazine

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Estd. 2000

ABES
Engineering College

Message from Director

I am delighted to see the enthusiasm of eminent members of the Department of Information Technology for their contribution towards the magazine. The role of departmental Magazine is vital in promoting and reflecting the ethos and the aspirations of the students, faculty and other team members of the department. 'Insight IT' proudly reminds the denizens of ABESEC, the progress department of Information Technology have made so far. The plethora of information provided in this magazine will definitely help readers to nurture their technical insight. I hope the number of articles and different corners will enrich your knowledge.



Prof. (Dr.) M.K. Jha

Message from HOD-IT



Prof. (Dr.) P.C. Vashist

You are welcome to the biannual magazine of Department of information Technology. The magazine is a central repository of all achievements and success of students as well as faculty members. This issue also witnessed major achievement and journey of NBA accreditation of the department. I am proud to produce another issue of Insight IT. We hope that whether you are a prospective undergraduate or graduate student, or work in industry, or another university, you will find this magazine to be informative.

Message from Editor

The department of Information Technology plays a vital role in the field of Engineering & Technology. The primary focus of the department is on technical knowledge and promoting problem solving skills. This issue of InsightIT provides an overview of the academic progress, research activities and student's achievements during last six months. This semester has significant achievements of NBA visit and its preparation. Two of our faculty members were awarded PhD degree. I congratulate all faculty members and the students for their brilliant efforts and wish them a great success in their academic career.



Mr. Amit Sinha

Vision

The Department of Information Technology endeavors to be recognized globally for outstanding education and research leading to well qualified engineers, who are innovative, entrepreneurial and successful in advanced fields of Information Technology to cater the ever changing industrial demands and social needs

Mission

To create a healthy environment for the development of innovative professional and researchers to fulfill its commitment to research and education of the highest quality with industry requirement and social acceptance at large.

Technical Corner

1. ABESACMW and ACM STUDENT CHAPTER

Department of Information technology organized ACM Student and Women Chapters Annual Event cum ACM-W Celebration from 26th - 28th October 2017. The event was affluent by the presence of the guests and participants from different colleges showing their multiple skills.

The event was inaugurated by the lightening of lamp and motivating words of Dr. M K Jha (Director) , Prof. D K Sharma (Professor), Prof. Gajendra Singh (Dean Academics) and Dr. P C Vashist (HOD IT).



ACM Student Chapter Celebration

The annual events cum celebrations concluded with the following events:

Event 1: Your World

It was a video making competition. The participants made a short video that gives a message with the trending era.

Event 2: Code Racer

It comprises of two rounds. First round consist of multiple choice questions and round 2 involves the set of questions on Hacker rank which was to be solved by each participant.

Event 3: Counter Strike Go

It was a gaming event named Counter Strike for single and multiple players



ACM team Members with the guest Ms. Sonika Thakral

Event 4: Web Cat's Cradle

The taste under this head was to design a web-application using any language or framework.

Event 5: Galleria

In this event, the participants has to design a digital poster using any tools and software.

The Annual event and celebration also have a few sessions related to the overall development of students.



ACM team Members with the guest Ms. Sonika Thakral



Alumni Session by Mr. Prabhat Singhal

1. Alumni Sessions:

- ✧ Mr. Ankit Arora (Batch 2005 - 2009), delivered a session on “Decoding Digital Transformation and Recent Technology Trends”. During the session, he discussed about the digital transformations.



Alumni Session by Mr. Ankit Arora

- ✧ Mr. Prabhat Singhal (Batch: 2002 - 2006), talked on the skills required by a student to join an MNC, startup or proceed for higher studies. He demonstrated this by formulating a simple scenario with the students.

2. Workshop Sessions:

Workshop on Machine Learning by Cetpa Infotech Pvt. Ltd. and Aprtron Solutions Pvt. Ltd. Has been organized.

3. Session on Solar Energy:

Dignitaries from Vigyan Prasara delivered a valuable session on the benefits of solar lights. A practical session was also conducted under which students were provided with a small kit with the help of which they created a solar light. 100 solar kits were provided to the students, one kit per student and asked to prepare a solar light. These solar lights were donated to an NGO named HUHC (Help Us to Help Child) run by ABES Engineering College.



Ms. Sonika Thakral with Department of Information and Technology



4. Poster Session

The Poster presentation was also organized in which the students of various colleges participated. The event also had cash prizes and certification.

5. Discussion Session

A group discussion was held on Women Empowerment, empowering women to participate fully in economic life across all sectors. This is essential to build stronger economies, achieve internationally agreed goals for development and sustainability, and improve the quality of life for women, families and communities.

The talk was led by Ms. Sonika Thakral, Assistant Professor, Department of Computer Science, Delhi University and other female teaching fraternity of the college.

Faculty Academic Pursuits

1. Mr. Amit Sinha is awarded PhD. Degree in Computer Science from Faculty of Engineering and Technology, Allahabad, Agricultural State Technology University, Allahabad.
2. Ms. Aruna Malik is awarded PhD degree from NIT, Jalandhar.
3. Mr. Amit Kumar Diwivedi has enrolled in PhD. in IIIT Gandhinagar, Gujarat.
4. Ms. Kanika Gupta is awarded Ph.D. Degree from Noida International University.

Pat on the back

The department of Information Technology has undergone a NBA (National board of Accreditation) visit during this session. Two persons as an expert has come from different Universities to examine all the files and working of department. They visited on 19th – 20th Nov 2017 and checked all files, interviewed all faculty, meet with students, visited labs and infrastructure vigorously. It was expected to declare the results within 45 days.

Dr. Amit Sinha and Mr. Pankaj Sharma were the NBA coordinators of the department. They handled all the criteria's of SAR report with the support of team members.

- ✧ Mr. Ashwin Perti and Mr Ritin Behl, faculty, Department of Information Technology, participated in Intra College Cricket match, under Faculty Recreational Club.



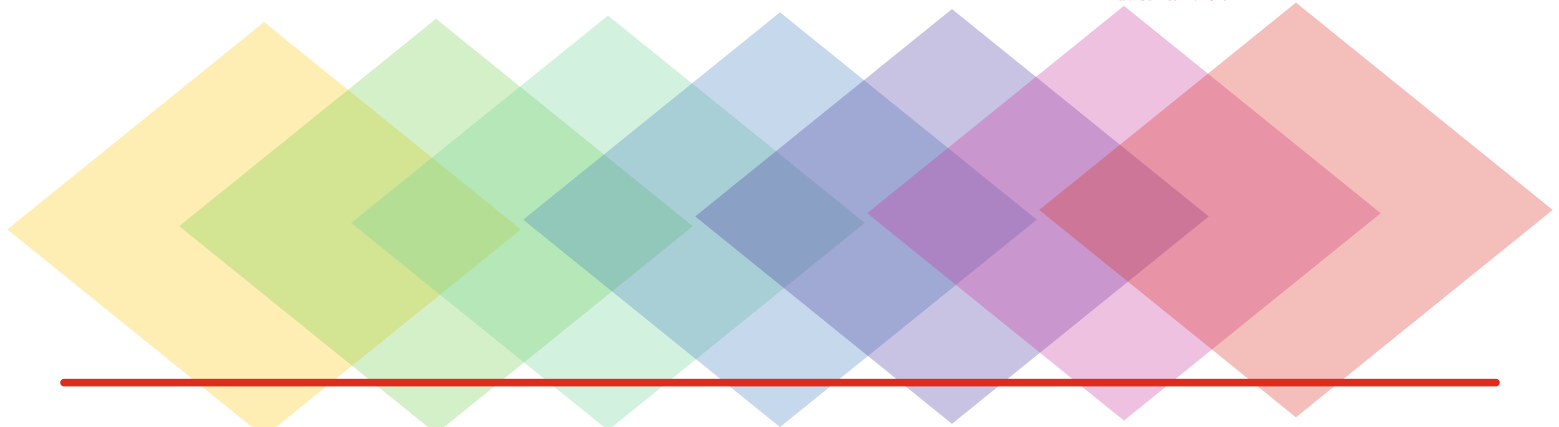
Trophy sharing by the faculty members, Department of Information Technology

Industrial Visits

An industrial visit of B.Tech IT 2nd year student was organized on 13th September 2017, to Huawei Company, a leading brand in the field of IT and ICT. Students were told about the company's growth rate which is near about 29% and the net worth of the company grew from 18 billion in 2008 to 74 billion in 2017 as per the current audit.



Industrial Visit



The students were also guided about ICT as an upcoming field. The seminar was delivered by professionals telling students how the company gives solutions to bridge the skill gap in the current industry and academics. The students were made familiar with the integration of the equipment in Telecommunications, Cloud Computing and Wireless Services.

The industrial visit was organized by the faculty members, Department of Information Technology:

- ✧ Mr. Ashwin Perti
- ✧ Ms. Nandita Goyal
- ✧ Ms. Anjali Jain
- ✧ Mr. Manish Srivastav
- ✧ Ms. Somya Srivastav



Research Papers

1. Faculty Research Papers

- ✧ Mr. Pankaj Sharma, published the paper titled, “An Analytical study of E-voting System“, in International Journal of Recent Research Aspects, ISSN: 2349 - 7688, Vol. 4, Issue 3, Sept 2017, pp. 75-85.

- ✧ Ms. Swati Goel, published the paper titled, “Fast Technique for requirement elicitation phase“, in international journal of application or innovation in Engineering & Management(IJAIEM), ISSN: 2319-4847, Vol. 6, Issue , July 2017 2017, pp. 20-24

2. Student Research Papers

- ✧ Tarun Setia, Shreya Bharti, Pankaj Sharma “Intelligent Solar Panel Installation “ , published in International Journal of Recent Research Aspects, ISSN: 2349 - 7688, Vol. 4, Issue 3, Sept 2017, pp. 59-62

Feathers in the cap

- ✧ Mr. Rishab Rajput (IT – 3rd yr.) won the second prize in 'Your World' in ACM Student and Women Chapters, Oct 2017.
- ✧ Ms. Anvesha Bhatt (IT – 3rd yr.) won the second prize in 'Your World' in ACM Student and Women Chapters, Oct 2017.

Upcoming Events

- ✧ The Department of Information and Technology has planned to organize a FDP on various advanced topics in 2018.
- ✧ Industrial Visit in esteemed organization for the student of B.Tech IT.



Student Corners

1. GENERO 2017: An Annual Fest of ABESEC

GENERO' is a techno - socio cultural fest, organized annually at ABESEC. This fest incorporates events like formal, cultural, technical, literary, Tech Cs, Tech ME, star night, etc. Majority of IT student also participated in number of events.

The event attracted almost hundreds of students from different colleges other than ABESEC. There was a footfall of around thousands of students in this fest during three days. The, renowned star performer Nikhil D'Souza was also an attraction during the Genero'17.

Mr. Ritin Behl, Assistant Professor from department of Information Technology worked as fest facilitator in GENERO'17.



Genero'17



Star Night, Genero'17

2. Talentrove'17

Talentrove is an annual fest, organized by the department of IT. It was organized on 5th-6th October, 2018. It involves the full participation of students from different departments. It incorporates various fascinating events like:

Event 1: Aptitude-

This event measures natural ability for learning and proficiency in a specific area or discipline. The event consist of questions of numerical reasoning, Cognitive Ability questions, brain teaser questions, etc.

Event 2: Wiz Cup-

The students under this were given a problem statement and they were asked to write the code for the problem.

Event 3: Techtonic-

The students under this head were given to do debugging and testing in programming language.

Event 4: CS- GO-

It was a gaming event named Counter Strike for single and multiple players. The event was facilitated with the certificate and prizes.



Talentrov'17



Facilitators, Genero'17



Department of Information Technology with Alumni

Our Patrons

Chief Patron

Sh. Neeraj Goel
Chairman

Patrons

Sh. Sachin Goel, Vice Chairman
Prof. M.K. Jha, Director

Chairman, Publication

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Ms. Yashi Gupta, B.Tech (IT, 4th year)

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