

insightIT

Department of Information Technology

Bi-Annual Magazine

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Estd. 2000

ABES
Engineering College

Message from Director

ABESEC is a center of learning where young talent is nurtured in different fields of engineering & management. The major emphasis is on imparting technical training to encourage curiosity and innovativeness among the students and the foundation from where they can acquire quick learning ability and adaptively with the fast changing needs of the industry.

The institute continue to meet the mission to mold youth into world-class technocrats of tomorrow who would endeavor to increase the quality of life for human kind. The goal is to position the engineering graduates to be problem solvers, project leaders, communicators, and ethical citizens of a global community. I hope this newsletter will bridge the gap between achievements and publicity. All the credit and thanks go to dedicated faculty and the head to encourage his team for teamwork.



Prof. Vijay Athavale

Message from HOD-IT



Dr. Amit Sinha

The department of IT at ABESEC has always been thinking about its academics as well as prepare good contributors to the society and nation. Students are provided numerous opportunities to participate in different co-curricular activities. The strongest bone of the department, our faculties' hard work to ensure that students have a strong value based education with interpersonal skills. Students are prepared to accept the challenges willingly. Many achievements have been recorded by the department since 2000. I hope this newsletter will bridge the gap between achievements and publicity.

Message from Editor

It is my immense pleasure that I have given the opportunity to work on the first issue on Vol. IV of the department magazine 'insight IT'. As we know, a magazine mirrors a department and its Vision & Mission. It also highlights events, activities and academic achievements of the students and faculty members. In this issue, we have tried to include last six months achievements and the activities, projects, publications and technical events. I would like to thank my colleagues and the students for their everlasting support in creation of this issue. I do hope that the magazine will give message for motivation to the students to use it as a platform to present their creativity and ideas. We welcome all valuable suggestions for continuous improvement of upcoming issues.



Mr. Ashwin Perti

Program Outcomes

The detailed Program Outcomes (POs) are as follows

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions
- 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions

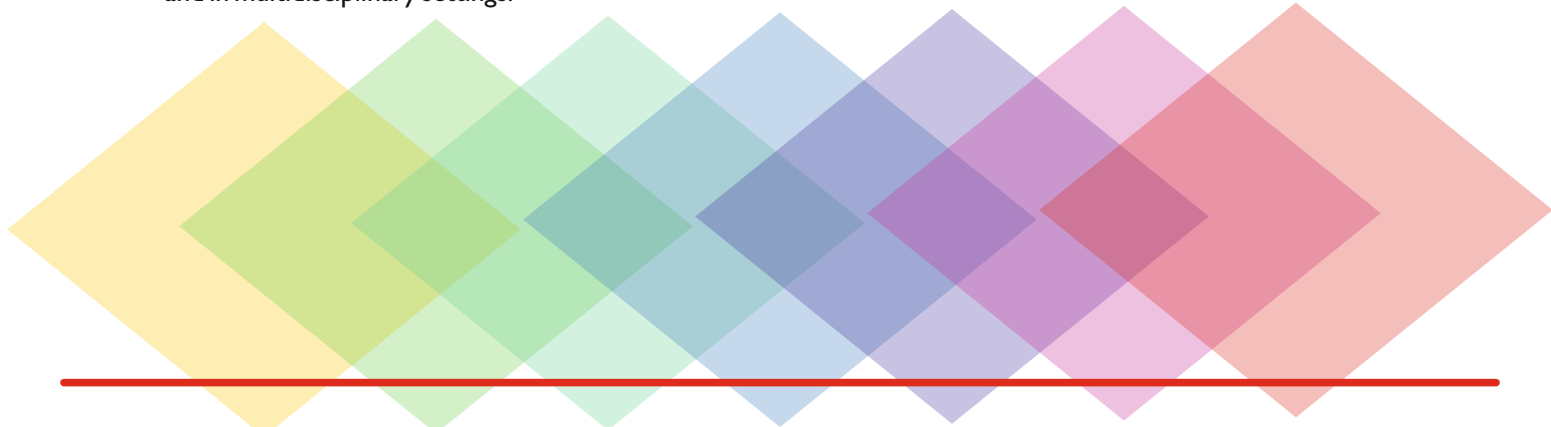
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environment.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Educational Objectives

The Detailed Program Educational Objectives (PEOs) are as follows:-

- PEO-1** To impart exhaustive Knowledge to the students in all the sub-domains of Information Technology and the fast evolving IT tools to:
- a) Take up key assignments in IT and associated Industries
 - b) Undertake and excel in higher studies and research and development in IT Related fields and management.
- PEO-2** To impart solid foundation in computational intelligence, science and interdisciplinary courses
- PEO-3** To design and develop novel products and innovative solutions for real life problems in Information Technology field and related domains
- PEO-4** To inculcate a conviction in the students to believe in self, impart professional and ethical attitude, nurture to be an effective team member, infuse leadership qualities, build proficiency in soft skills and the abilities to relate engineering with the social issues.
- PEO-5** To provide a conducive and disciplined academic environment, quality of teaching with innovative and modern methods of pedagogy establishing the relevance of technical education as per the needs of the industry and society at large.



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.

FDP Conducted

Under the MOU with ICT Academy, the department of Information Technology conducted a FDP on "Oracle Programming using PL/SQL" from 17th - 21st December.

The FDP was open to all institutional members of ICT Academy. A total of 16 faculty members participated along with 7 from ABESEC.

The FDP was delivered by Mr. Ritesh Jain, Project Manager in Oracle Inc., Hyderabad. He has more than 25 years of experience. His expertise area is Oracle Database, Oracle ERP and Business Intelligence. The Director Dr. Vijay Athawale was present in the valedictory of FDP. He said such FDPs are very important and puts value in faculty credentials. FDPs was a great success and benefitted the faculty members and all participants with knowledge and research area insights hands on practice in practical laboratory sessions.



FDP on "Oracle Programming using PL/SQL"



FDP on "Oracle Programming using PL/SQL"

Key points and features of this FDP are:

1. Training resource and materials provided directly from Oracle for all the participants
2. Cost of the program outside Oracle institute members, normally charges 1 lakh and above. Being a premium program, it is provided free only to ICT Academy & Oracle Academy member colleges.
3. Life time certification for the faculty members as Authorized Instructors.
4. Each faculty member has to undergo assignments and exams to obtain the certification from Oracle.

5. On successful completion of the FDP, each member was awarded as Authorized Instructors with **iLearnAccount** for each of them.
6. Through **iLearn Account**, trained faculty members can train and certify students of any numbers without any cost implications

Motivational Lecture

The Department of Information Technology organized a Motivational Lecture on “Youth- The Catalyst of New India” on 25th September, 2018. Ms. Guneet Sethi is an experienced educationist, trainer, administrator and Communications professional. She is currently Manager of Quality Assurance with social enterprise that works towards building skills and improving employability of rural youth. Ms. Guneet dabbles in multiple other activities that realize her full potential. She has an expressive voice and excellent communication skills. This led to her foray into becoming a voice-over artist.

Her voice modulation and expression enabled her to feature in various programs aired on All India Radio and prime FM Channels. She has also lent her voice for several Education based films. She motivate students and told about her motivation when she lost her eyesight. She also told students in her lecture to work hard and become a responsible citizen. The Lecture was organized with the collaboration of ICT Academy. Students of 2nd year and 3rd year participated in the Lecture session.



Technical Corner

The Department of Information Technology and the Department MCA organized **Cloud Literacy Day** on 27th October 2018. It was conducted in collaboration with ICT Academy, India and AWS Educate. Total number of 250 students from CSE / IT / MCA registered for the AWS Educate on the Cloud Literacy Day. Most of the students completed their AWS Inventor Badge – well in time. Mr. Anand Babu, from ICT India gave instructions on the benefits and the procedure to create login and do registrations on AWS Educate.



Students attending workshop on Cloud Literacy Day

Benefits of the Cloud Literacy Day:

1. Earned free cloud literacy badge, which is globally recognized.
2. Learnt through AWS Educate, a Global Leader in Cloud Technology.
3. Joined AWS Educate at no cost to start your cloud learning journey.
4. Received \$75 as AWS promotional Credits for free Learning.

The program was well coordinated by Mr. Ashwin Perti, Associate Professor, IT Department and Ms. Anjali Chauhan, Assistant Professor, MCA Department under the guidance of Dr. Amit Sinha, HOD-IT.



Cloud Literacy Day

ETF @ABESEC

Under the AKTU, Emerging Technology forum has been formed. The structure of ETF@ABES is shown below:

Director : Dr. Vijay Athavale
 Mentor : Dr. Amit Sinha, HOD-IT
 Faculty Coordinators: Mr. Rohit Rastogi (CSE)
 Mr. Ashwin Perti (IT)
 Student Coordinator: Two students from each Engineering Branch.

This forum will take care of all the activities based on cut-edge technology and will send the report to the university.

Faculty Academic Pursuits

The Department of Information Technology encourages faculty to enhance their academic qualification. Following faculty members have been registered for Ph.D program in session 2018-19.

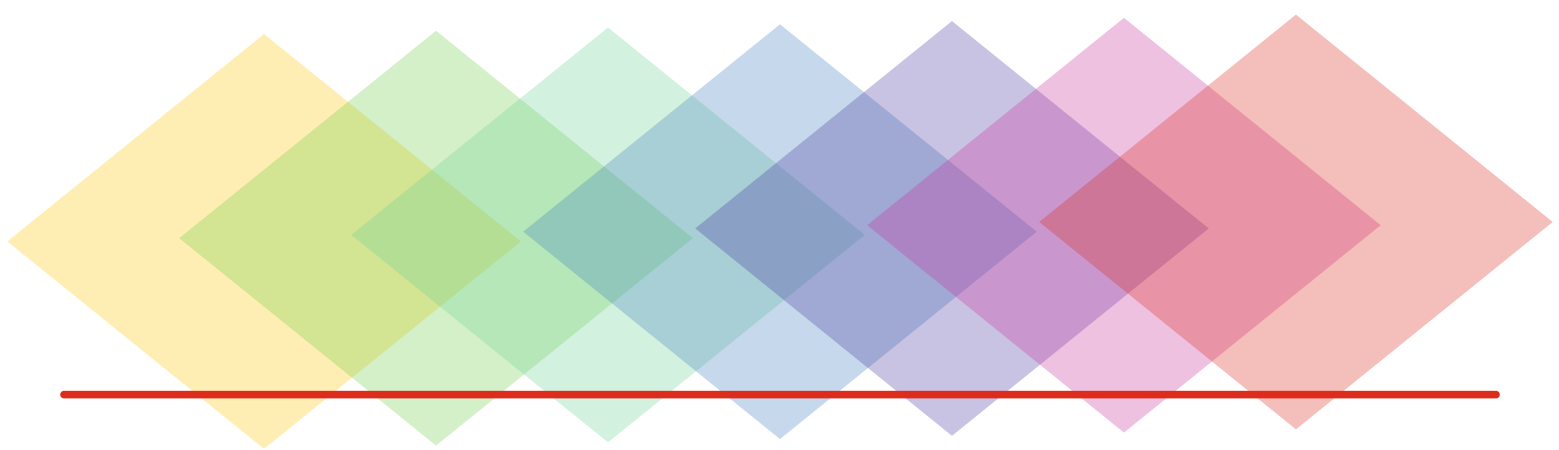
1. Ms. Manika Bharadwaj is registered for Ph.D., at Bennett University, Greater Noida
2. Ms. Deepali Dev is registered for Ph.D., at JIIT, Noida
3. Ms. Somya Srivasatava is registered for Ph.D., at JIIT, Noida
4. Ms. Swati Goel is registered for Ph.D., at JNU, Delhi.

Pat on the back

1. NPTEL Certification

Under the supervision and motivation of HOD-IT, the faculty members came forward voluntarily and registered for NPTEL courses. AICTE consider NPTEL certification as equivalent to one Faculty Development Program. Our affiliated university, Dr. APJ AKTU also recognizes this certification and declares the policy to reimburse the exam fee for all faculty who completed the course with good score. Following faculty members have successfully completed the course with good score:

Sr. No	Faculty Members	Course Registered	Score Obtained	Certification Honour
1	Ms. Shelley Gupta	The Joy of Computing Using Python	89	Elite
2	Dr. Parashu Ram Pal	Computer Architecture	80	Elite
3	Mr. Jitendra Kumar Chauhan	Database Management System	71	Elite
4	Mr. Ashwin Perti	Software Testing	64	Elite
5	Dr. Kanika Gupta	Software Testing	61	Elite
6	Ms. Nandita Goyal	Software Testing	59	Successfully completed



2. The AI club was established by IT Department. A research group “AISHA” is established under this club. This group invites one research activity from each department. The presentation of each was conducted on 10th October 2018. The event was chaired by Dr. Ganjendra Singh (Dean-Academics) and Dr. Amit Sinha (HOD-IT) along with faculty members and staff of various department.

Research Papers Publications

1. Yash Veer Singh, et.al., accepted in IEEE Conference ICACCCN-2018 “A novel Approach of Requirements Prioritization using logarithmic fuzzy trapezoidal approach for Enhancing Academic Library Services” in October 2018.
2. Dr. Amit Sinha, et. al, published a book chapter in IGI Global e-Editorial Discovery title “Deep Learning: An overview and Innovative approach in Machine Learning” in December 2018.
3. Yash Veer Singh, et.al., accepted at International Journal of Intelligent Systems and Applications “A Hybrid Approach for Requirements Prioritization using LFPP and ANN” in December 2018.
4. Pankaj Kumar Sharma, Ayushi Srivastava and Ashwin Perti, published in International Journal of Mechanical Engineering & Technology (IJMET) “Novel Idea for Real-Time Health Monitoring using Wearable Devices” in December 2018.

Workshops

Under the Zonal Programme of leading India. ai.

Dr. Pankaj Sharma and Mr. Ashwin Perti had conducted workshops, at following engineering colleges on “Big Data Analytics Using Hadoop” at:

1. GIMT, Guwahati from Date 6th-8th September, 2018.

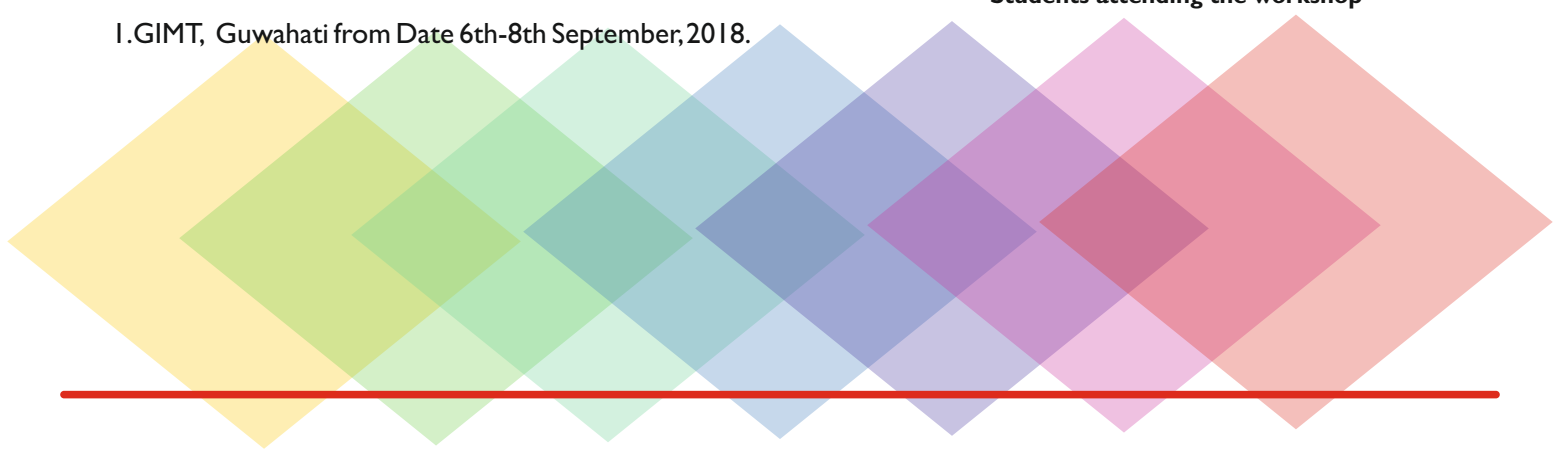
2. Galgotia University, Greater Noida from 2nd-3rd November, 2018.
3. Pragati Engineering College, Andhra Pradesh from 16th-17th November, 2018.
4. Sri Mahila Mahavidyala, Tirupati, Andhra Pradesh from 2nd -3rd December, 2018.
5. Vasavi Engineering College, Andhara Pradesh from 8th-9th, December, 2018.

Workshop conducted @ ABESEC

Dr. Pankaj Sharma, Mr. Ashwin Perti and Ms. Ayushi Srivastava conducted the two days workshop on “Artificial Intelligence and Deep Learning” from 26th-27th, October 2018.



Students attending the workshop



Alumni Interaction

The Department of Information Technology conducts Alumni interaction program in each semester. This helps our students to pace with industry and learn from their seniors. Some of such interaction are mentioned below

1. A Workshop on 5G Mobile Network Trends was organized for B.Tech. (IT) students on 14th September, 2018 by Mr. Satees Kumar (2008 Batch), Solution Architect @Sterlite Technologies, Ahmedabad.
2. A Workshop in the field of AI, ML and Deep Learning - Job Oriented (Under AAA & IT Workshop) was organized for B.Tech. (IT) 2nd year and 3rd year students on 26th October, 2018. The speaker of the session Mr. Ankit Arora (IT-2009), Director (Technologies) - XSOL, Noida.

Student Corners

I Will Never Give Up

When life goes rough & tough
 Still never ever give up
 Stop thinking about what will happen next
 Think about the present moment
 Live & laugh & say I will never give up
 never fear for shadows and out of the darkness
 there is no need to run and hide
 it's the actual life
 So never give up
 you'll find a shining star without you
 Love yourself & see within you
 How much positive power you have
 You can't imagine how much blessed you are
 So never give up
 Life is a battle field
 So never give up
 Keep fighting till the end
 if you will fall along the way
 You'll get up and try again.
 however never ever accepting the defeat
 You are a hero of your life
 Never forget
 So never give up

Deepanshu Sharma (IT 2ndyr-A)

Our Shining Stars

S.No.	Student Name	Rank	%	Award
1.	Sonia Sharma (1403213114)	I	84.14	Director Gold Medal
2.	Deepika Singh (1403213030)	II	83.18	Director Silver Medal

Our Placement

IT Department has always put its mark in placement and higher studies. The students selected through campus placement in ongoing placement process.

Company Name	Number of Student Selected	Package (Per Annum)
Capgemini	27	3.5 Lakh
Centilytics	1	5.5 Lakh
Daily Hunt	1	4.5 Lakh
Epam	1	6.5 Lakh
Oyo Rooms	2	4.0 Lakh
Paperbyte	7	2.4 Lakh
Wdn Technologies	9	3.2 Lakh

Upcoming Events

1. The Department of Information Technology will be organizing three Days Staff Development Programme on "Fundamental of C programming" at ABESec, Ghaziabad from 15th - 17th January 2019. This program will enhance the skill set of our Lab Instructors / Assistant. On successful completion of the programme, each member will be awarded with the certificate.
2. FDPs will be organized to enhance the faculty knowledge.
3. The Students and Faculty Members of Information Technology Department will participate in Hackathon-2019.



Department of Information Technology

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Vice President

Patrons

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ABES Engineering College

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