Infocephelon

VISION

Develop knowledge by motivational effort to have a common platform of understanding.

MISSION

To develop interaction among students studying at different years, so as to have better understanding and harmony in relations. To increase the confidence level of the students for the various competitions.

Programme Educational Objectives (PEOs)

1) To provide students with a solid foundation in Mathematics, Science and Engineering fundamentals, required to solve engineering problems using computers.

2) To prepare students to excel in postgraduate programme so that they are able to pursue research and to excel in industry/ technical profession through understanding of advanced concepts of Computer Science.

3) To train students with good scientific and engineering breadth so as to comprehend, analyse, design and create novel products and solutions for real life problems.

4) To inculcate in students professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach and the ability to relate engineering issues to broader social context for industry as well as entrepreneurship.

5) To provide students with an academic environment aware of excellence, leadership, written ethical code of conduct and guidelines, and life-long learning needed to become not only successful but best quality Computer Science and Engineering professionals.

Programme Outcomes (POs)

POs – What is it?

- Describe specifically what student should know and be able
- To do at the end of the program. These are also known as Students Outcomes.
- They are to be in line with the Graduate Attributes of NBA.
- POs are to be specific measurable and achievable.
- POs transform the PEOs into specific student performance and behaviours that demonstrate student learning and skill development.
- A sum total of all your course learning.

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: 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.

PO4: 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.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: 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.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and the need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: 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 receive clear instructions.

PO11: 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 team, to manage projects and in multidisciplinary environments.

PO12: 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

IN THE WORDS OF THE HEAD

My best wishes to all my colleagues, students and their parents for publishing 5th E- issue of the Half Yearly newsletter ofthe Information Technology Department. The approach of the department is to make the learning process for the students interesting and participative with experiential learning and strong emphasis on practical education, and exposure to real time scenarios through strong industry interface.This newsletter is one of the ways in which we can disseminate information on the life of the IT Department. The past semester was full of various activities by the students and accomplishment of faculty in academic, co-curricular, extra-curricular, research & developments. I would like to thank all my colleagues for their tireless efforts to help the department progress at a very steady pace.

Prof. Mamta Garg
HOD, IT (JIET)

EDITOR'S MESSAGE

I present to you the newly launched IT department 5th E-issue of the newsletter Infocephelon for the academic year 2016-17.   This5th E- issue of the Half Yearly newsletter covers the activities of the department in the past six months from July to December 2017.It is a matter of great pleasure for me to go through the wonderful contributions made by the students and our faculty members. I extend my thanks to all the contributors for their efforts in launching this News Letter. We express our gratitude to the college management for their support and encouragement.

Happy reading!

Mr. Manish Gehlot
Assistant Professor (Sr.)
IPC Coordinator, IT

EXPERT LECTURES (EXPERTS FROM OUTSIDE JGI)

S.No.	Name of the Expert	Date	Topic	Year (Sem.)
1.	Dr.RajeshPurohit (Professor & Head, Dept. of CSE, M.B.M. Engineering College, J.N.V.U., Jodhpur)	July, 22, 2017.	Micro-operations, Register Transfer Language, Control Unit Design	V (III)

EXPERT LECTURES (EXPERTS FROM WITHIN JGI)

S.No.	Name of the Expert	Date	Topic	Year (Sem.)
1.	Dr. K R Choudhary (Prof., Campus Director, JIET-COE)	July, 20, 2017.	Micro-operations, Register Transfer Language, Control Unit Design	V (III)
2.	Ms. AnamikaChoudhary (Assoc. Prof. CSE ,JIET)	July, 26, 2017.	E-R Model	V (III)
3.	Mr.MahendraDaiya (Dy. Hod&Assoc. Prof., MBA ,JIET)	July, 21, 2017.	Applications of E-Commerce and M-Commerce	V (III)
5.	Ms. HansaMehra (Assoc. Prof. ECE ,JIET)	Aug 22, 2017.	"Basics of Digital Signal Processing"	V (III)
6.	Ms. ArshiRiyaz (Asst. Prof. CSE ,JIET)	Aug 09, 2017.	"Introduction of Antenna"	V (III)
7.	Mr. RajendraPurohit (Dy. Hod&Assoc. Prof., CSE ,JIET)	Aug 11, 2017.	"W5HH Principal"	IV (VII)
8.	Mr. Pankaj Acharya (Hod&Assoc. Prof., IT ,JIET	Aug 04, 2017.	"Security System"	IV(VII)
9.	Mr. ZakirHusen (Asst. Prof. CSE ,JIET COE)	Aug 08, 2017.	"Basics of DMW"	IV(VII)
10.	Mrs. Shubha Agarwal (Asst. Prof. IT ,JIET)	Aug 11, 2017.	"Introduction to Cascading Style Sheet"	IV(VII)
11.	Mrs. Jyoti Vyas (Asst. Prof. CSE ,JIET)	Aug 22, 2017.	"Computer Graphics Algorithms"	IV(VII)

OPEN HOUSE-2017

"Open House - 2017" was celebrated on September 14- 15, 2017. This year, the departmental theme of Open House-2017 was"SMART Technologies for Sustainable Development". The students of Information Technology (IT branch) made charts, non-working models and working models. The details are as follows:-

Students	Class	Category	Title
MohitGurbani Chandra Prakash Chirag Bhandari Siddrath Sharma	III Year	Working Model	"Smart Car."
Jaitavya Mishra	III Year	Working Model	"Free Hand Drawing"
MohitGurbani	III Year	Chart	"Versions of OS's"

WORKSHOP

- The two days' (23 and 24 September '17) workshop on "Application Development and Deployment using IBM Bluemix" was conducted for VII semester, ECE and EE branch students at JIET-COE. Mr. Manish Gehlot (Assistant Prof.,IT, JIET)was the resource person.

- Two workshops were conducted by V Sem, IT students, JayOstwal and Vaibhav Sharma for III Sem CSE students on 7 and 20 September 2017. The workshop was on "Network Security" concepts like Ethical Hacking, SQL Injection, Mobile Hacking and Windows Hacking.

- A one day (9 October'17) workshop on "Ethical and Android Hacking" was conducted for V semester IT branch students. The workshop was conducted by students whose names are follows:-
  - Vaibhav Sharma (V Sem, IT)
  - Jay Ostwal(V Sem, IT)
  - Rajesh Parihar(V Sem, ECE)
  - Preet Ashok Bohra(V Sem, CSE)

- A one day (10 October '17) workshop on "Android Application Development" was conducted for V semester IT branch students at IBM lab JIET Co-ed. The workshop was conducted by CSE V Sem Students.
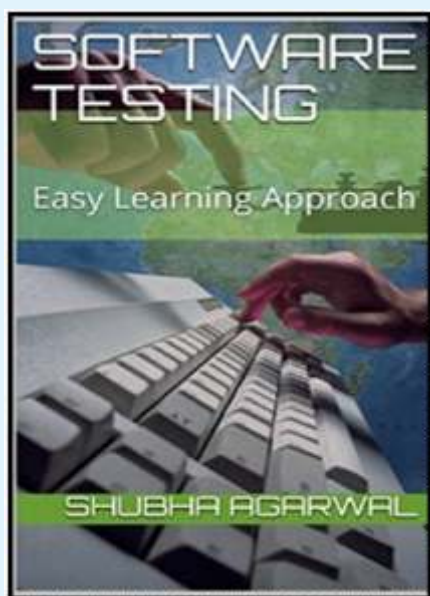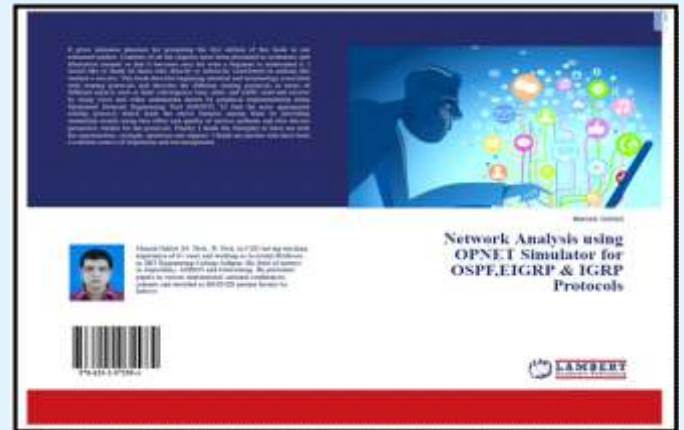
MOTIVATIONAL LECTURE

Dr. Punita Soni (Associate Professor & Head- Dept. of Management Studies, JIET) delivered highly motivational and inspirational lecture on the topic "Key to the success" in the tutor meeting of IT, V sem Students on 6 October '17. The lecture immensely benefited the students.

FACULTY ACCOMPLISHMENTS

- Mr. Pankaj Acharya (HOD IT) and Mr. Manish Gehlot (Sr. Asst. Prof. IT) have achieved faculty partnership levels under the flagship of Campus Connect program of Infosys during the year 2016.
- A paper titled "Survey of Effectiveness of Automated Testing Tools" authored by Ms.Shubha Agarwal (Assistant Professor) has been published in International Journal of Advanced Research in Computer Engineering & Technology((ISSN: 2278 – 1323), Volume 6 Issue 11.)
- Mr. Manish Gehlot (Assistant Professor (Sr.) IT Dept.) has authored a book titled "Network Analysis using OPNET Simulator for OSPF, EIGRP & IGRP Protocols". It has been published internationally by LAMBERT Academic Publishing. Its ISBN number is 978-620-2-07298-4.
- Mr Manish Gehlot (Assistant Professor (Sr.) IT Dept.) has participated in the Faculty Enablement Program on Cloud Computing conducted by Infosys Limited at UIET, Panjab University, Chandigarh from 4th to 8thDecember 2017 and has been awarded with A+ grade.
- Ms.Shubha Agarwal (Asst. Prof. (IT Dept.) has authored a book titled "Software Testing: Easy Learning Approach". It has been published internationally by Kindle Edition. Its ISBN number is 9781521923160 and ASIN: B0747B6VG7.

STUDENTS' ACCOMPLISHMENTS

- An idea to make a project "Organic Manuareso" i.e. use of chemical fertilizers should be avoided and the fertility of soil must be increased proposed by the students of IT branch has been selected at initial level in "STRUPRENEURS" at MBM Engineering college, Jodhpur. Total 11 teams are selected out of 40 teams at MBM engineering college on 04 October '17. The names of the team members are as follows:-
  - ✦ Rajkumar Kachhawaha (V Sem,IT)
  - ✦ RajatJain (VSem , IT)
  - ✦ VaibhavSharma (VSem , IT)
  - ✦ BharatChitara (VSem , IT)
  - ✦ Jay Ostwal (VSem , IT)
  - ✦ Jaytavya Mishra (V Sem , IT)

UNIVERSITY RESULTS (BATCH 2015-19)

II Year (IV semester)

Ashwini Charles
(74.9%)

Rajat Jain
(74.8%)

Bharat Chitara
(70.7%)

Results

TEST YOUR BRAIN !

Q1. If there are multiple recycle bin for a hard disk
(a)   You can set different size for each recycle bin
(b)   You can choose which recycle bin to use to store your deleted files
(c)   You can make any one of them default recycle bin
(d)   None of above

Q2. A light sensitive device that converts drawing, printed text or other images into digital form is
(a)   Keyboard
(b)   Plotter
(c)   Scanner
(d)   OMR

Q3. The basic architecture of computer was developed by
(a)   John Von Neumann
(b)   Charles Babbage
(c)   Blaise Pascal
(d)   Garden Moore

Q4. A co-processor
(a)   Is relatively easy to support in software
(b)   Causes all processor to function equally
(c)   Works with any application
(d)   Is quite common in modern computer

Q5. Which of the following operating systems is produced by IBM?
(a)   OS-2
(b)   Windows
(c)   DOS
(d)   UNIX

Q6. Where is the headquarters of Intel located?
(a)   Redmond, Washington
(b)   Tucson, Arizona
(c)   Santa Clara, California
(d)   Richmond, Virginia

Q7. When was the first e-mail sent?
(a)   1963
(b)   1969
(c)   1971
(d)   1974

Q8. Operating System is the most common type of _____ software.
(a)   Communication
(b)   Application
(c)   System.
(d)   Word Processing Software

Q9. Which of the following are loaded in safe mode?
(a)   Keyboard driver
(b)   Mouse driver
(c)   VGA drive
(d)   All of above

Q10. Who is the creator of the PASCAL language?
(a)   Niklaus Wirth
(b)   Dijkstra
(c)   Donald Knuth
(d)   Basic Pascal

ANSWERS:

Q1.	Q2.	Q3.	Q4.	Q5.	Q6.	Q7.	Q8.	Q9.	Q10.
(a)	(c)	(a)	(a)	(a)	(c)	(c)	(c)	(d)	(a)

Work

Team Work