



April 14, 2015

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VISION

To evolve as a centre of excellence with wider recognition and to adapt the rapid innovation in the field of Computer Science and Engineering.

MISSION

- ◆ To provide a learning-centered environment that will enable the students, faculty members to achieve their goals empowering them to compete globally in professional field.
- ◆ To contribute significantly to the research and the discovery of new arenas of the knowledge and methods in the rapid developing field of Computer Science and Engineering.
- ◆ To support the society through participation and transfer of advanced technology from one sector to another.



I am glad to learn that the Computer Science & Engineering Department of PCE is bringing out its Even Semester newsletter "POORNIMA - TACT EXPRESS" for the session 2014-15 and providing its students an opportunity to showcase their achievements and innovative ideas. Engineers play an important role in development of human society on the earth. They are the creators & innovators for the society. As engineering educators and students, it is our duty and responsibility to work hard and develop new technologies that would ease the life of common people. The new technology comes into existence through new ideas and innovations. Newsletters, magazines and journals provide us a medium for expression of such ideas and innovations.

I hope that this publication would prove to be a good forum for sharing of useful ideas & information.

I congratulate the faculty members and the students of the department for bringing out this newsletter well in time, and convey my best wishes for its success.

Jai Jai Poornima Sansthan!

Jai Hind!

DR. S. M. SETH

CHAIRMAN, PGC & PJ FOUNDATION,
CHAIRPERSON, POORNIMA UNIVERSITY
(FORMER DIRECTOR, NIH, ROORKEE)



I am exhilarated to know that the Computer Science & Engineering Department of PCE is enlightening its students of all the happenings in a nut-shell through their Even Semester newsletter "Poornima - Tact Express" for the session 2014-2015.

Science and Technology keeps changing with time. The ideas once accepted change and new ones are put forward. So, the students need to be aware about the happenings of the world, but most importantly they should be aware of the events happening in their surroundings which escalate the social and economic standards of the country.

Remember "Changing one thing for the better is worth more than proving a thousand things wrong", but for that we need to be aware of the right and the wrong.

I wish the department many more successful ventures and congratulate them for all their hard work and excellence.

Jai Jai Poornima Sansthan!

Jai Hind!

SH. SHASHIKANT SINGHI

DIRECTOR GENERAL, POORNIMA FOUNDATION

"A Winner can show you the way to Success, But a Looser can make you aware of all ways leading to Failure"



I am glad to convey my message through this newsletter "Poornima Tact Express" on the occasion of very special day of Ambedkar Jayanti 14th April, 2015, to all faculties, staff and students of Department of Computer Science Engineering.

Dear students, some persons are naturally gifted with the ability to express their thoughts effectively and impress the listeners. But even if you do not have such ability, you can impress everyone. You can improve your language considerably by choosing your words carefully; keeping your language clear and concise; will make other understand what you are trying to convey. Your language can be more impressive and expressive, if you illustrate it with examples from real-life experiences. Simplicity can also be cultivated by constant practice, as it is your belief in yourself and your dedication to what you want to do. Your "simple living and high thinking" attitude can do wonders. Nothing is simpler than greatness; indeed to be simple is to be great.

If you are keen to achieve your goal you should give importance to three keywords – awareness, beliefs and commitment. These are the keywords which lead to greater self-knowledge, a deeper understanding of others and a firmer grasp on how your words and behavior impact other people. Recognize the limiting beliefs that impede your achievement. Thereafter, you should overcome the obstacles to changing limiting beliefs. It may be a painstaking exercise, but you should try your best to complete it.

A quotation for all my budding technocrats

"Staying at the back, Giving value, own power & support to those who are in front & still being egoless is what we should learn from zero".

Till next newsletter all the best!

Jai Jai Poornima Sansthan!

Jai Hind!

DR. OM PRAKASH SHARMA

DIRECTOR, PCE

India is seen as the technological hub of the world. Students play an important role in this. Students are the bright, young minds full of new thoughts and ideas which if put to the right use can enhance the current scenario of the world. Therefore I ask the students to use their sharp minds for the betterment of the people and of their country. Hard work never goes in vain, so work hard and reach the pinnacle of success. I wish you all the best in every venture you take up.

DR. AJAY KHUNTETA
(ASST. DEAN-CSE)

I feel privileged on the release of the next issue of department newsletter “Poornima Tact Express” highlighting the activities of the department during Even Semester 2014-15.

The department strives to provide a constructive environment for the students to develop analytical and practical skills and apply them to real world problems. To motivate the students the department organizes regular training in state of art software & hardware, arranges workshop, National & International Conferences periodically. Seminars and guest lectures are organized periodically for the benefit of students. The department also takes initiative to improve the soft skills, analytical capabilities and verbal communication of the students so that they can face the competition in the corporate world confidently. Students are also encouraged to participate in technical symposiums and paper contests conducted by various other organizations.

The department has good collaboration with some of the reputed industries. We are inviting experts from industry on regular basis to guide student projects at final year level and also to deliver lectures on specialized topics.

Our faculties are working with a team-spirit to create the best technocrats for the industry and accept the challenges in the global world.

The department congratulates 2015 batch students for their grand success in this year’s placement drives. We are confident that our students will be regarded as assets to the organizations they serve in future.

AMOL SAXENA
(HOD, CSE)

I am delighted that our department is publishing the 18th issue of —”Poornima Tact Express”. The aim of the department is to provide high quality education along with training the students with all the new advancements in the computers field. The department works with the objective of addressing critical challenges faced by the Industry, society and the academia. Perhaps even more important is our unceasing commitment to our students, helping them to learn, grow, develop, and achieve their goals in their pursuit to excel in their professional career. The department also takes initiative to write and publish Technical Papers to improve the soft skills, analytical capabilities and verbal communication of the students so that they can face the competition in the corporate world confidently. The scope of computer science is endless. The students of the computer science and engineering are highly demanded by the recruiters of the top companies. The department provides platform through mock Interviews, Group Discussions, and Mock Aptitude Test for the students to achieve their career goals.

I would like to thank all my colleagues for their tireless efforts to help the department progress at a very steady pace.

“Our true character is that person we become when no one is watching”

GANPAT SINGH CHAUHAN
(DEPUTY HOD, CSE)

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

1. Graduates will work productively as skillful engineers playing the leading roles in multifaceted forms.
2. Graduates will identify the solutions for challenging issues inspiring the upcoming generations leading them towards innovative, creative and sophisticated technology.
3. Graduates will implement their pioneering ideas practically to create novel products finding the feasible solutions of research oriented problems.

PROGRAM OUTCOMES (POs)

The graduate of the Computer Science and Engineering Program shall have:

1. An ability to apply the knowledge of mathematics, science, engineering fundamentals, algorithmic principles and computing for the solution of complex engineering problems.
2. An ability to design and conduct experiments, analyze and interpret data finding the computing requirements with appropriate solutions.
3. An ability to design a computer based system, component, or a process to meet the desired needs within realistic constraints such as economic, environmental, social, political, ethical, health, safety, manufacturability and sustainability etc.
4. An ability to function effectively in multidisciplinary teams.
5. An ability to identify, formulates, and solves engineering problems by applying the appropriate computing techniques, progressive resources and modern IT tools with an understanding of the limitations.
6. An understanding of professional, ethical, security, legal, social issues and responsibilities towards these.
7. An ability to communicate effectively on complex engineering activities with the engineering community and the society.
8. Education necessary to understand and analyze the impact of computing and engineering solutions in a global, economic, environmental and societal context.
9. Recognition of the need with an engagement in lifelong learning in the context of technological change.
10. Knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for computing and engineering practice.
12. An ability to contribute in the fruitful working as an efficient member of a team in multidisciplinary environments with a concern of engineering and management principles.
13. An ability to apply the basic principles and practices of Computer Science and Engineering and its all arenas to fulfill the requirements of customers in context of business.

BACKBONE OF THE DEPARTMENT

| | | | |
|------------------------|----------------------------|---------------------------|-------------------------|
| Mr. Abhishek Jain | Dr. Ajay Khunteta | Mr. Amit Mishra | Mr. Amol Saxena |
| Mr. Atul Kumar Verma | Mr. Ashish Kumar Jangid | Mr. Abhishek Thakur | Mr. Banwari Lal Saini |
| Mr. Banwari Lal Sharma | Mr. Deepak Agarwal | Mr. Deepak Baberwal | Mr. Deepak Singh |
| Mr. Dhramendra Kumar | Mr. Ganpat Singh Chauhan | Ms. Heena Khatri | Mr. Lal Babu Purbey |
| Ms. Loveleen Kumar | Mr. Manish Kumar Sharma | Md. Nawaid Anjum | Mr. Manish Kumar Jangid |
| Mr. Mukesh Chand | Ms. Meenakshi Nawal | Ms. Neha Jhunjunwala | Ms. Neha Mathur |
| Ms. Nidhi Gupta | Mr. Nitin Goyal | Ms. Pooja Varshney | Mr. Prince Dawar |
| Mr. Rajat Goyal | Mr. Rakesh Kumar Jangid | Mr. Rishi Kumar Jalwal | Ms. Ranjeeta Bhargava |
| Ms. Shakshi Mishra | Mr. Sunil Gupta | Mr. Shivraj Singh Rajawat | Mr. Tarun Mehta |
| Dr. Veena Yadav | Mr. Vikram Singh Shekhawat | | |



EVENTS OF THE DEPARTMENT

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| 1 | Mr. Sagar Sharma (Alumni 2009 Batch and Director - Four Square Tech., Jaipur) was invited as an external expert to guide IV Year students in their project work. Total 5 sessions each of 2 hrs were conducted by him during 2 nd September, 2014 to 14 th October, 2014. |
| 2 | Four Mock Aptitude Tests were coordinated by Mr. Ganpat Singh Chauhan on 9 th October, 10 th October 2014, 27 th October and 31 st October, 2014 in view of Infosys Placement Drive. . |
| 3 | A 2-Day workshop on “ Android Technology ” was organized by IT Department, PCE on 10 th -11 th October, 2014 in which 11 students of CSE department participated. |
| 4 | Special Classes for Diploma Students were planned and conducted during 11 th -18 th October, 2014. |
| 5 | 15 Students of III Year participated in Poomima Integrated Test on 13 th October 2014 at PU. |
| 6 | 3 PowerPoint Presentations were delivered by IV Year students on “ Overview and Company Profile of Infosys ” on 14 th October, 2014 at department level in consideration of Infosys placement drive. |
| 7 | 158 students from the department participated in Benchmark test conducted on 16 th October, 2014 for all PEEM registered students. The performance of students was very good in the test. |
| 8 | Dr. Om Prakash Sharma , (Director, PCE) interviewed 10 students of department on 28 th October, 2014 to evaluate the preparation of Infosys Campus drive to be held on 7 th & 8 th November-2014. |
| 9 | Mock Interviews were organized on 29 th October, 2014 for 21 IV-Year students in view of Infosys Placement Drive. The interviews were conducted by Mr. Mohit Sharma , (Team Lead, Accenture, Hyderabad). |
| 10 | A Mock Placement Drive was organized at PGC level on 30 th -31 st October, 2014. 111 Final Year students of the department participated in the mock drive. |
| 11 | Mr. Ganpat Singh Chauhan took Personal Interviews of Infosys Eligible PGC students in the mock drive held on 30 th -31 st October 2014 at PIET . |
| 12 | Mr. Sunil Gupta took a session on common mistakes in interviews and communication skills on 31 st October, 2014 in view of placement drives. |
| 13 | An awareness program on DELNET was organized at department level in October-2014 . Under this program the students were informed about the DELNET facility available in the college. Mr. Rajat Goyal coordinated the activity. |
| 14 | Mock Interviews were conducted for 90 students at department level by Senior Faculty members during 18 th August-2014 to 11 th November, 2014 in view of various placements drives . |
| 15 | A Mock Online Test for Infosys placement drive was conducted on 1 st November, 2014. 40 students of the department appeared in the test. |
| 15 | Infosys placement drive related alumni interaction session with Ms. Vartika Gupta (Alumni- 2012 Batch & Software Engineer, Infosys , Jaipur) was organized for Infosys eligible students on 1 st November, 2014. |
| 17 | Mock Interviews were organized on 1 st November, 2014 for 20 IV-Year students in view of Infosys Placement Drive. The interviews were conducted by Mr. Gaurav Sharma , (Alumni-2004 Batch and Project lead, Infosys , Jaipur). |
| 18 | AMCAT (Aspiring Minds’ Computer Adaptive Test) was conducted on 2 nd November, 2014 for IV Year students. |
| 19 | CII - Wheelbox Employability Skill Test (WEST) was conducted at department level on 11 th November, 2014. 159 students appeared in the test. |
| 20 | Remedial Classes of Advanced Engineering Mathematics (3CS6) were conducted during 11 th November-2014 to 29 th November-2014 for II Yr (III Sem.) students. |

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| 21 | Nagarro placement drive related alumni interaction session with Mr. Ritesh Nahar (Alumni IT-2010 Batch & Software Engineer, Nagarro, Jaipur) was held on 14 th November, 2014 for 40 students of IV Year. |
| 22 | Poornima Foundation organized 3-Days project exhibition PRAYOGAM-2014 from 17 th November to 19 th November, 2014 at Poornima University. 13 shortlisted projects were displayed by the department |
| 23 | A benchmark test for failures and absent IV Year students was held on 18 th November, 2014. 7 students appeared in the test out of which 6 students cleared the test. |
| 24 | PGC organized annual festival AAROHAN POORNIMA-2014 from 19 th November to 23 rd November, 2014. Total 24 students from the department won prizes in different categories. |
| 25 | 4 Technical Events were conducted by the department in AAROHAN-2014. Mr. Amol Saxena was the Group Advisor (Technical Events) and Mr. Abhishek Jain, Mr. Lal Babu Purbey, Ms. Nidhi Gupta and Ms. Neha Jhunjunwala were the Event Advisors. |
| 26 | A pre-placement talk was conducted by Girmar Software on 12 th January, 2015 for IV Year students. |
| 27 | A mock written test was conducted on 13 th January, 2015 at department level for IV Year students in view of Girmar Software Campus Drive. |
| 28 | Mock Interviews were conducted during 12 th January to 20 th January-2015 at department level by senior faculty members for 31 students of Final Year in view of Aptean placement drive. |
| 29 | Remedial classes arranged for Lateral Entry (Diploma) students of II Year from 16 January, 2015 to 2 nd February, 2015 in view of RTU Examinations. |
| 30 | GD/PI Sessions were conducted at department level for IV Year students on 17 th & 19 th January 2015. Important tips were given by the department faculty members on Types of PI / Behavioral etiquettes / Postures and Gestures and Dressing sense in view of various placement drives. |
| 31 | A Mock drive was conducted at department level for IV Year students on 17 th January, 2015 for the preparation of Aptean placement drive. |
| 32 | Three GD sessions were conducted at department level by senior faculty members for IV Year students on 19 th January, 2015 for the preparation of placement drives. |
| 33 | 30 Students attended Jaipur Literature Festival from 21 st January, 2015 to 25 th January, 2015 at Diggi Palace, Jaipur. |
| 34 | PGC celebrated 66 th Republic Day on 26 th January, 2015 in which a documentary was presented by IV-A students. Faculty felicitation was also organized on the day. |
| 35 | GATE Mock Online Tests were conducted at college level on 20 th January 2015, 23 rd January 2015, 27 th January 2015, 30 th and 3 rd February, 2015. Approximate 70 students of the department appeared in the tests. |
| 36 | Poornima Annual Alumni Meet was organized on 31 st January, 2015 at Poornima University. |
| 37 | 8 project proposals received a total grant of Rs. 86,650/- from the Department of Science & Technology (DST), Govt. of Rajasthan under Student Project Programme Scheme. The grant was sanctioned on 19 th February, 2015. |
| 38 | A Committee at campus level for WISE activities was constituted on 3 rd February, 2015 at PCE. Ms. Shakshi Mishra and Ms. Neha Jhunjunwala from the department were nominated as members in this committee. |
| 39 | A series of 4 webinars on "Bigdata & Hadoop" was conducted by Infosys during 6 th February to 26 th February, 2015 under Infosys Campus Connect Program. 70 students of III & IV Year attended the webinars. Mr. Lalbabu Purbey coordinated the activity. |
| 40 | PEEM Online exam (Test-1) was conducted for III Year students on 10 th February 2015. 131 students of III Year appeared in the exam. |
| 41 | I-Mock Aptitude Test was conducted for 134 III Year students on 10 th February, 2015 followed by two GD sessions for 43 shortlisted students on 14 th and 21 st February, 2015. The activity was coordinated by Mr. Ganpat Singh Chauhan. |
| 42 | A 2-Hours Expert Lecture in "Theory of Computation" was delivered by Mr. Devendra Gupta (Lecturer Govt. Polytechnic College, Tonk) on 13 th February, 2015. The III Year Section B students attended the lecture. |
| 43 | 11 students participated in a seminar by Prof. Parimal Merchant at Poomima University on 16 th February, 2015. |
| 44 | Department interaction with I Year CSE students was held on 18 th , 19 th & 20 th February, 2015. Mr. Sunil Gupta, Mr. Deepak Agarwal and Mr. Manish Kumar Sharma along with 5 IV Year students interacted with I Year students. |
| 45 | 4 students took part as volunteers at Jaipur Technical Festival held from 20 th February, 2015 to 22 nd February, 2015 at Amrudon Ka Bagh, Jaipur. |
| 46 | 15 Students of III Year attended a seminar on "Animal Protection" conducted by Federation of India Animal Protection Organization on 21 st February 2015 at PCE. |
| 47 | First test on Focus Area –I (Programming in JAVA) under Infosys Campus Connect Foundation Program 4.0 for Infosys recruited students was conducted on 24 th February, 2015 for CSE & IT students and on 26 th February, 2015 for other branch students. |
| 48 | 6 students participated as volunteers in Principal's Meet of various schools in Rajasthan on 27 th February, 2015 at PIET. |
| 49 | A Fun Club activity under WISE club was held on 28 th February 2015 at PCE. The students' cluster consisting of I Year and IV Year CSE- C section participated in the activity. |
| 50 | An Expert Talk by Dr. Shalini Sharma (Consultant Homeo-Physician) on "Women Health" was conducted under WISE activity on 3 rd March, 2015 at CG-05, PCE. All girls students participated in the talk. |
| 51 | NBA form was completed and submitted online on 11 th March, 2015 by the department along with the ECE and EE departments. |
| 52 | A series of 7 webinars on "Mobile App Development using Android" was conducted by Infosys during 12 th March to 7 th April, 2015 under Infosys Campus Connect Program. 70 students of II & III Year attended the webinars. Mr. Lalbabu Purbey coordinated the activity. |
| 53 | II-Mock Aptitude Test was conducted for 141 III Year students on 14 th March, 2015 followed by GD sessions for 110 students during 17 th March to 26 th March, 2015 and Mock Interviews of 43 shortlisted students during 20 th March to 31 st March, 2015. The GD sessions were conducted with the help of IV Year placed students. The overall activity was coordinated by Mr. Ganpat Singh Chauhan. |
| 54 | Aspiring Minds' interaction session was held for III Year students on 24 th March, 2015 at Arbuda Convention Center, PIET. |
| 55 | An Essay competition on "The Day After Tomorrow: Impact of Global Warming on Society" was organized on 16 th March, 2015 by the Central Library, PCE. 15 students of the department participated in the event. |
| 56 | An interaction session with Top 5 Final Year Students (On the basis of Academic Results) from each department was called by Dr. Om Prakash Sharma (Director, PCE) for performance appreciation and motivation on 18 th March, 2015. |

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| 57 | Mr. Ganpat Singh Chouhan took mock interviews of I Year students on 20th March, 2015 in I Year department, PCE . |
| 58 | Industry Institute Interaction Summit– 2015 on “ Bridging the gap between Industry and Academia ” was held on 21st March, 2015 at PIET. 15 projects from Final Year and 3 Projects from III Year were displayed by the department in the Project Exhibition Event during this summit. |
| 59 | PEEM Online exams (Test-2 & Test-3) were conducted for III Year students on 17th & 24th March, 2015 . |
| 60 | A Yoga Activity for Girls Students was held on 27th March, 2015 at CG-05, PCE under WISE activities. |
| 61 | 131 students of III Year participated in AMCAT (Aspiring Minds’ Computer Adaptive Test) on 29th March, 2015 . |
| 62 | A 2-Hour Expert Lecture in “ Design & Analysis of Algorithm ” was delivered by Mr. Vijay Prakash Sharma (Associate Professor, JECRC, Jaipur) on 7th April, 2015 . The III Year Section C students attended the lecture. |
| 63 | Poornima Foundation organized a 2-Hour workshop on “ IT Product Design and Innovation ” in association with ImaginXP on 10th April, 2015 at Arbuda Convention Center, PIET . The workshop was conducted by Mr. Shashank Shwet (Director Global Marketing, Mobiliya Technologies), Ms. Sonam Agarwal (VP Business ImaginXP, Pune), and Mr. Chinmoy Rajwanshi (Marketing Head ImaginXP, Pune). The IV Year students attended the workshop. |
| 64 | A short Skit was performed on “ Fight Against Mentality ” at Arbuda Convention Center, PIET on 10th April, 2015 . |
| 65 | A 2-Hours Expert Lecture in “ Design & Analysis of Algorithms ” was delivered by Dr. Sumit Srivastava (Associate Professor, Manipal University, Jaipur) on 10th April, 2015 . The III Year Section A students attended the lecture along with IT students. |
| 66 | Mr. Amit Mishra took mock interviews of I Year students on 10th & 11th April, 2015 in I Year department, PCE . |
| 67 | 6 students of IV Year have applied for BOAT (Board of Apprenticeship Training) training. |
| 68 | 10 students of the Department have registered in Cultural-cum-Sports Fest LAKSHYA-2015 to be organized on 17th –18th April, 2015 at Poornima University |

FACULTY ACHIEVEMENTS AND PARTICIPATIONS

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| 1 | Ms. Neha Mathur presented a research paper titled “ Blended Biogeography Based Optimization for Traveling Salesman Problem ” in 3rd International Conference on Reliability, Infocom Technologies and Optimization (ICRITO’ 2014), 8th-10th October, 2014 at Amity University, Noida (UP) . |
| 2 | Mr. Atul Kumar Verma, Mr. Lal Babu Purbey presented a research paper titled “ An Efficient Parallelogram Window Based Disparity Map Determination ” in 9th Biyani’s International Conference (BICON-2014) on “ New Horizons of Information Technology by using Engineering and Mathematical Approaches ”, 14th October, 2014 at Biyani College, Jaipur . |
| 3 | Mr. Deepak Baberwal attended a 4-Day National Workshop on “ Qual-Net and Wireless Sensor Networks ” from 7th November, 2014 to 11th November, 2014 at Poornima University . |
| 4 | Mr. Amol Saxena attended an Academic Interface Program - "Head Start –HoD Meet-2014" organized by TCS on 21st November, 2014 at TCS, Awadh Park, Lucknow . |
| 5 | Ms. Neha Mathur presented a research paper titled “ A Comparative Study of Methods to Solve Travelling Salesman Problem ” in 4th National Conference on Emerging Technologies in Computer Engineering, Computer society Chapter, IEEE Delhi Section, 28th-29th November, 2014 at SKIT, Jaipur . |
| 6 | Mr. Atul Kumar Verma, Mr. Lal Babu Purbey presented a research paper titled “ Calculation for Efficient Window Based Disparity-Map by Stereo Matching ” in 4th National Conference on Emerging Technologies in Computer Engineering (NCETCE-2014), Computer Society Chapter, IEEE Delhi Section, 28th-29th November, 2014 at SKIT, Jaipur . |
| 7 | Dr. Ajay Khunteta attended a 1-Day Interactive Workshop for Remote Center Coordinators on 29th November, 2014 at IIT, Bombay . |
| 8 | Mr. Lalbabu Purbey attended a Faculty Enablement Program (FEP) on “ Foundation Program 4.0 ” from 15th December, 2014 to 19th December, 2014 at Infosys, Development Center, Chandigarh . |
| 9 | Mr. Mukesh Chand attended a 2-Week ISTE workshop on “ Control Systems ” conducted by IIT Bombay in distance mode at PCE remote centre (1107) under the National Mission on Education through ICT, MHRD, Govt. of India from 2nd December to 12th December-2014 . |
| 10 | Dr. Ajay Khunteta, et al. published a research paper titled “ Analysis of Operational Transformation Algorithms ”, in proceedings of Springer International Conference on Recent Cognizance in Wireless Communication & Image Processing, PIET, Jaipur, January, 2015 |
| 11 | Dr. Ajay Khunteta, et al published a research paper titled “ A Proposed Modification over Learning Vector Quantization & K-Means Algorithms for Performance Enhancement ” in proceedings of Springer International Conference on Recent Cognizance in Wireless Communication & Image Processing, PIET, Jaipur, January, 2015 |
| 12 | Mr Atul Kumar Verma & Ms. Neha Mathur attended a 3-Days Wipro’s Mission 10X Workshop from 6th – 8th January, 2015 at PIET, Jaipur . |
| 13 | Mr. Amol Saxena, Mr. Atul Kumar Verma, Mr. Deepak Agarwal, Mr. Sunil Gupta attended the Inaugural Ceremony of “ CII Partnership Summit 2015 ” by Ministry of Commerce & Industry, Govt. of India on 15th January, 2015 at Birla Auditorium, Jaipur . |
| 14 | Mr. Deepak Agarwal and Mr. Manish Kumar Jangid attended a session on “ Introduction to QEEE Phase-III ” by Prof. Ashok Jhunjunwala (IIT, Madras) through Video Conferencing on 18th January, 2015 . |
| 15 | Mr. Mukesh Chand and Ms. Neha Jhunjunwala along with 6 students participated in a summit on “ National Voter’s Day ” dated 25th January, 2015 at Jawahar Kala Kendra, Jaipur . |
| 16 | Dr. Veena Yadav, Mr. Deepak Agarwal, and Mr. Lal Babu Purbey attended a 4-Days IBM’s Faculty Workshop on “ Rational SEED – RSA ” from 28th January, 2015 to 1st February, 2015 at IT Department, PIET |
| 17 | Mr. Rakesh Kumar Jangid attended a 3-days workshop on “ BIG DATA, HADOOP and Cloud Computing ” from 23rd February, 2015 to 25th February, 2015 at Manipal University, Jaipur . |

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| 18 | Mr. Price Dawar presented a paper titled “ Impact of Social Media Marketing on Consumer Behaviour: An Empirical Study ” in National Conference on Emerging Trends and Challenges in Management on 27th-28th February, 2015 at Jai Narayan Vyas University, Jodhpur . |
| 19 | Dr. Ajay Khunteta, et al. , published a paper titled “ Detection Techniques of Blackhole Attack in Mobile Adhoc Network- A Survey ”, in proceedings of ACM International Conference on Advanced Research in Computer Science Engineering & Technology, 6th - 7th March, 2015 , at Eluru, Andhra Pradesh . |
| 20 | Dr. Ajay Khunteta, et al. , published a paper titled “ A New Proposed Multi Resolution Histogram Self Organization Map Filter (MRHSOMF) ”, in proceedings of ACM International Conference on Advanced Research in Computer Science Engineering & Technology, 6th - 7th March, 2015 , at Eluru, Andhra Pradesh . |
| 21 | Mr. Deepak Baberwal, et al. published a paper titled “ Detection and Prevention of Black Hole Attack for Dynamic Source Routing in Mobile ad-hoc Network ” in International Journal of Innovations & Advancement in Computer Science (IJACS) ISSN 2347 – 8616, Volume 4, Special Issue, March, 2015 |
| 22 | Mr. Manish Kumar Sharma, et al. presented a research paper titled “ Design & Analysis of K-means Algorithm for Cognitive Fatigue Detection in Vehicular Driver using Respiration Signal ” in IEEE International Conference on Electrical, Computer and Communication Technologies sponsored by IEEE Madras Section, 5th -7th March, 2015 at SVS College of Engineering, Coimbatore (Tamilnadu) . |
| 23 | Mr. Manish Kumar Sharma presented a research paper titled “ Design & Analysis of Performance of K-Means Algorithm for Cognitive Fatigue Detection in Vehicular Drivers using Skin Conductance Signal ” in International Conference on “Computing for Sustainable Global Development”, 11th – 13th March, 2015 at Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi . |
| 24 | Mr. Amol Saxena and Mr. Manish Kumar Sharma attended the “ Principal’s Meet ” under Infosys Campus Connect Program on 18th March, 2015 at Infosys, Development Center, Chandigarh . |

WORKSHOPS AND SEMINARS ORGANIZED

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| 1 | A session on “ Professional Skills ” was organized on 17th October, 2014 to motivate and guide IV year students for placement drives. The session was addressed by Mr. Shailendra Singh Chauhan (Matrix Solution, Jaipur). |
| 2 | Mr. Ashish Mathur and Mr. Kovid Oli (Professional Trainers, Princeton Review, Jaipur) took aptitude and reasoning classes for 80 Final Year students on 27th-29th October, 2014 in view of Infosys Campus drive . |
| 3 | A workshop cum training in PHP-MySQL for III Year students was completed on 28th October, 2014 under Spoken Tutorial Program followed by three Online Assessment Tests for certification in PHP-MySQL . The tests were conducted under Spoken Tutorial Project, IIT Bombay on 4th-5th November, 2014 . |
| 4 | A session on English Verbal Class was conducted on 3rd November, 2014 by Mr. Abhishek Singh Shekhawat (Director -The Princeton Review, Jaipur) for the students eligible for Infosys placement drive . |
| 5 | A 1-day workshop was conducted on 13th November, 2014 by Mr. Manu Lauria (Chairman DCop Labs Pvt. Ltd.) on S/W Coding & Practices in view of Nagarro Campus drive . |
| 6 | A 1-Day Technical workshop was conducted by Mr. Uma Shankar Arora (Snailark, Jodhpur) on “ JAVA Programming Practices ” dated 9th January, 2015 in view of Girnar placement drive . |
| 7 | Infosys Campus Connect Foundation Program “FP 4.0” for Infosys recruited students of PCE was organized during 27th January, 2015 to 6th April, 2015 . In this program, special classes were scheduled on Tuesday (3:00 to 4:00) and Saturday (9:00 AM to 11:00 AM) . Mr. Manish Kumar Sharma and Mr. Amit Mishra conducted the program at college level. |
| 8 | A workshop on “ Android Application Development using Aakash Tablet ” was conducted by Mr. Amit Mishra , (Associate Professor, CSE) on 7th February, 2015 and 14th February, 2015 for III Year A and III B respectively. |
| 9 | A Technical Presentation event “ Techniti ” was jointly organized by CSE & IT departments under WISE Club activity on 23rd February 2015 at Conference Hall, PCE . The event was coordinated by Ms. Shakshi Mishra (CSE) and Ms. Sita Gupta (IT) in which 35 girl students from the department participated. |
| 10 | A 1-Day workshop on “ Android Web Services ” was organized on 24th February, 2015 for 40 selected IV Year students. The experts were Mr. Aviral Mathur and Mr. Girish Sharma from DOT SQUARES Pvt. Ltd., Raja Park, Jaipur . |
| 11 | A 4-days Entrepreneurship workshop SAKSHAM-2015 was organized by the department from 17th March to 20th March, 2015 at CG-05, PCE in which approx. 180 students of PCE participated. 40 students of the department actively participated in the workshop. The workshop was coordinated by Mr. Sunil Gupta . |
| 12 | A session on “ TOPCODER - The Crowd-Sourcing Platform ” was organized on 21st March, 2015 for III Year students. The session was conducted by Mr. Shashank Khatri (Technology Evangelist, Appirio). |
| 13 | A 2-days I Gear-up workshop on “ Foundation Program 4.0 ” for Infosys recruited students was conducted by Infosys on 3rd & 4th April, 2015 at PCE . The workshop was conducted for 182 Infosys recruited students of Poomima Group of Colleges by Mr. Kulvaibhav Kaushik (Research Associate, Infosys, Jaipur) and Ms. Shifali Mittal (Expert, Infosys Chandigarh). |
| 14 | A 1-Day Workshop on “ Big Data and Hadoop ” was conducted by Mr. Rakesh Kumar Jangid at department level for 20 selected students of III Year on 4th April, 2015 . |

Sanctioned Student Projects by the Department of Science & Technology, Govt. of Rajasthan for the year 2014-15

| S. No. | Title of the Project | Student Name | Guide Name & Institution | Amount Sanctioned |
|--------|---|--|--------------------------|-------------------|
| 1. | AGRI-Manager | Prakhar Pandey Sourabh Gupta | Ganpat Singh Chauhan | Rs. 7400/- |
| 2. | Smart City (Jaipur) | Sakshi Agarwal Sakshi Jain Soubhagya Nair Tripti Sharma | Ganpat Singh Chauhan | Rs. 11500/- |
| 3. | Schedule Lawyer | Diksha Arora Poorva Sharma Rajat Jain | Abhishek Jain | Rs. 11500/- |
| 4. | Remote Device Control | Jitendra Motwani Kopal Porwal Lokesh Kumar Shubham Sharma | Sunil Gupta | Rs. 11000/- |
| 5. | Online Crime Reporting & Grievances Cell | Ruchi Sharma Sakshi Chaudhary Sachin Khaneja Deepti Upadhyay | Sunil Gupta | Rs. 11000/- |
| 6. | Friend Tracking System with Integrated Chat Application & Emergency Notification System | Shishir Pareek Shubham Sharma Rohit Sharma Rohit Khendalwal | Mr. Abhishek Jain | Rs. 11000/- |
| 7. | Universal Identification for Students using RFID | Sumit Choudhary Rishabh Agarwal Shivam Khandelwal Rohit Singhal | Dr. Ajay Khunteta | Rs. 11250/- |
| 8. | Training & Placement Management System | Dipika Rani, Chandan Kumar Gupta Parishkriti | Mr. Abhishek Jain | Rs. 11000/- |

ACHIEVERS OF THE DEPARTMENT

BEST ATTENDANCE

| NAME | YR-SEC | % |
|-----------------------|--------|----|
| DIVYA BHARTI | II-A | 95 |
| VANDANA SHARMA | II-B | 97 |
| AKSHITA SHARMA | II-C | 96 |
| NEHA PANT | III-A | 87 |
| PRATEEK SINGH CHAUHAN | III-B | 93 |
| RITU RAJ | III-B | 93 |
| SAKSHI GAUTAM | III-C | 88 |
| ANKITA KUMARI | III-C | 88 |
| DEEPAK GUPTA | IV-A | 83 |
| REKHA KHATRI | IV-B | 87 |
| VIBHOR SHARMA | IV-C | 90 |

II-B

SHUBHAM MANDOVARA
TRAPTI JAISWAL
VIVEK SHARMA
YASHIKA SINGHAL

II-C

AKANSH PATHAK
AMAN RATHI
DEEPESH KUMAWAT

II-A

ANJALI SONI
ANEESH RASTOGI
ANANYA SHEKHAR VYAS
AKSHIT BHATNAGAR

BEST SELF HELP GROUPS

III-C
AISHWARYA
DEEKSHA KUMARI MEENA
APOORVI JAIN

III-A

POOJA PRIYA
NIKHIL KHANDELWAL
MUKUL PUNJABI
PARUL KOKCHA

III-B

RITU RAJ
SAKSHI LAKHOTIA
PRATAP SINGH RANAWAT

SEMESTER TOPPERS

| NAME | SESSION | SEMESTER | PERCENTAGE |
|-----------------|---------|----------|------------|
| YASHIKA SINGHAL | 2013-14 | II | 86.9% |
| HIMANSHU ARORA | 2013-14 | III | 86.2% |
| SURBHI JAIN | 2013-14 | IV | 86.9% |
| TRIPTI SHARMA | 2013-14 | VI | 84.7% |
| POOJA AGARWAL | 2013-14 | VIII | 90.3% |
| TRIPTI SHARMA | 2014-15 | VII | 85.4% |

“Engineers like to solve problems. If there are no problems handily available, they will create their own problems.”

Students' Achievements

| S. No. | Student Name | Year-Sec | Event Details | Date of Event | Venue | Position |
|--------|--|----------|---|--|-------------------------------------|----------------------|
| 1 | Aneesh Rastogi, Ishan Arora Anirudh Agrawal , Ankush Jain | II-A | Robo Soccer (INILAZE 3.0) | 5 th November, 2014 | KITE, Jaipur | First |
| 2 | Aneesh Rastogi, Ishan Arora Anirudh Agrawal, Ankush Jain | II-A | Robo War (INILAZE 3.0) | 5 th November, 2014 | KITE, Jaipur | First |
| 3 | Ishan Pandey | III-A | Solo Singing | 1 st February, 2015 | LNMIT, Jaipur | First |
| 4 | Ishan Pandey | III-A | Solo Singing | February, 2015 | SKIT, Jaipur | Second |
| 5 | Ishan Pandey | III-A | Business Planning | February, 2015 | VIT, Jaipur | Third |
| 6 | Krishan Kataria | III-A | NPTEL Course in C | December, 2014 | Online | Certificate |
| 7 | Kartik Modi | III-A | NPTEL Course in C | December, 2014 | Online | Certificate |
| 8 | Kartik Modi | III-A | CII Partnership Summit (Govt. of India) | 15 th -17 th January, 2015 | Birla Auditorium, Jaipur | Coordinator |
| 9 | Kartik Modi | III-A | Debate Competition (Spectrum 2015) | 19 th -20 th January, 2015 | Biyani Group of Colleges, Jaipur | Participation |
| 10 | Bhawana Soni, Arti Sharma Krishan Kataria, Kartik Modi Dheeraj Chauhan | III-A | Two days workshop on Android App Development | 10 th -11 th October,2014 | IT Department , PCE | Certificate |
| 11 | Pranshu Pareek, Sachin Balahedi | III-B | CII Partnership Summit (Govt. of India) | 15 th -17 th January, 2015 | Birla Auditorium, Jaipur | Coordinator |
| 12 | Shivi Nigam , Riya Nuwal | III-B | Two days workshop on Android App Development | 10 th -11 th October,2014 | IT Department , PCE | Certificate |
| 13 | Ankita Kumari, Diksha Goyal Diksha Kumari | III-C | WISE – PPT Competition | 23 rd February, 2015 | PCE, Jaipur | First |
| 14 | Akshay mittal | III-C | Sunburn-2015 (Invitation Committee) | 2 nd February, 2015 | LNMIT, Jaipur | Campus Ambassador |
| 15 | Abhijeet Singh, Akhil Sanghi Amil Gupta, Gaurav Khedar Shubham Sharma | III-C | Treasure Hunt (OASIS-14) | 31 st - 4 th November, 2014 | BITS Pilani | Participation |
| 16 | Nidhi Solanki, Pragya Sanjana Jagrati Lalwani, Kritika Jaiswal | III-C | WISE – PPT Competition | 23 rd February, 2015 | PCE, Jaipur | Second |
| 17 | Pragya Sanjana | III-C | Group Dance | November, 2014 | JNU, Jaipur | Participation |
| 18 | Neha Pant, Nidhi Solanki Niza Khunger, Jagrati Lalwani | III-C | Two days workshop on Android App Development | 10 th -11 th October,2014 | IT Department , PCE | Certificate |
| 19 | Arun Kumar | IV-A | Jaipur Literature Festival 2015 | 21 st -25 th January ,2015 | Jaipur | Coordinator |
| 20 | Nikita Mittal | IV-A | Coding competition | 5 th November, 2014 | KITE, Jaipur | Second |
| 21 | Keshav Agarwal | IV-A | Coding Competition (SUBITO-15) | 1 st March, 2015 | JNIT, Jaipur | First |
| 22 | Arpit Kulkarni | IV-B | Tata Crucible Quiz | 13 th February, 2015 | TPS, Jaipur | Participation |
| 23 | Vibhor Sharma | IV-C | Google Ad sense Optimization | December, 2014 | Online | Certificate |

1 **30** Students attended **Jaipur Literature Festival** from **21st January, 2015** to **25th January, 2015** at **Diggi Palace, Jaipur**.

2 **11** students participated in a seminar by **Prof. Parimal Merchant** at **Poomima University** on **16th February, 2015**.

3 **4** students took part as volunteers at **Jaipur Technical Festival** held from **20th February, 2015** to **22nd February, 2015** at **Amrudon Ka Bagh, Jaipur**.

4 **6** students participated as volunteers in **Principal's Meet** of various schools in Rajasthan on **27th February, 2015** at **PIET**.

5 **2** students of **III Year**, **Mr. Pranshu Pareek** and **Mr. Sachin Balahedi** participated in a **Debate Competition** held under **RTU - THAR'15 (University Level Technical cum Cultural Fest)**. They represented the college in the **Zonal Round** at **Arya College of Engineering, Jaipur** on **13th March, 2015**.

STUDENTS' PUBLICATIONS

| S. No. | Name of Student & Faculty Guide | Class | Name of Conference | Venue of Conference | Paper Title | Date of Conference |
|--------|---|-------|---|----------------------------------|---|--|
| 1 | Harshita Sharma, Aashima Bhootna Manish Kr. Sharma | IV-A | 9 th Biyani's International Conference (BICON-2014) on "New Horizons of IT by using Engg. and Mathematical Approaches" | Biyani College, Jaipur | <i>A Review on Analysis of Fast Generation of Digital Holograms</i> | 14 th October 2014 |
| 2 | Mansi Sharma, Ashish Soni Manish Kr. Sharma | IV-A | 9 th Biyani's International Conference (BICON-2014) on "New Horizons of IT by using Engg. and Mathematical Approaches" | Biyani College, Jaipur | <i>A Review on Analysis & Design of Image Processing in Traffic Control System</i> | 14 th October 2014 |
| 3 | Divya Khariwal, Deeksha Chaturvedi Manish Kr. Sharma | IV-A | 9 th Biyani's International Conference (BICON-2014) on "New Horizons of IT by using Engg. and Mathematical Approaches" | Biyani College, Jaipur | <i>A Review on the performance analysis of K-means clustering in different Application domain</i> | 14 th October 2014 |
| 4 | Rekha Khatri, Sambhav Agarwal Amol Saxena | IV-B | 9 th Biyani's International Conference (BICON-2014) on "New Horizons of IT by using Engg. and Mathematical Approaches" | Biyani College, Jaipur | <i>A Mobile Technology Based Career Helper and Learning Management System</i> | 14 th October 2014 |
| 5 | Anubha Saxena Ankit Kumar Mishra | IV-A | National Conference : Computatia-II | VIT, Jaipur | <i>Genetics of Transportation Problem</i> | 26 th November 2014 |
| 6 | Isha Goyal, Khilak Kashyap Nidhi Gupta | III-A | National Conference on Emerging Technology in Computer Engineering NCETCE2014 | SKIT, Jaipur | <i>Lifetime Enhancement of Leach Protocol</i> | 28 th -29 th November 2014 |
| 7 | Deepesh Kumawat, Sanjay Sharma, Vikram Kr. Purohit Nidhi Gupta | II-C | National Conference on Emerging Technology in Computer Engineering NCETCE2014 | SKIT, Jaipur | <i>Lifetime Enhancement of Leach Protocol</i> | 28 th -29 th November 2014 |
| 8 | Priti Kumari Loveleen Kumar | IV-B | International Journal of Advanced Engineering Research & Science | Vol. 2, Issue-2 ISSN 2349- | <i>A Review on Blue Eye Technology</i> | February 2015 |
| 9 | Inder Kumar Deepak Baberwal, Abhishek Jain | III-C | National Seminar on Emerging Technology in Computer Engineering (ETICE2015) | SKIT, Jaipur | <i>Analysis & Evaluation of CPU Scheduling Algorithms under different Operating Systems</i> | 7 th -8 th February 2015 |
| 10 | Meenal Kukreja Atul Kr. Verma | IV-A | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>Reversible Data Hiding for Digital Images using Histogram Shifting</i> | 21 st February, 2015 |
| 11 | Rekha Khatri Dr. Veena Yadav | IV-B | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>Text Mining In Health Care</i> | 21 st February, 2015 |
| 12 | Sambhav Agarwal Rajat Goyal | IV-B | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>Android Malware Detection Through Permission and Package</i> | 21 st February, 2015 |
| 13 | Purvi Jain Rajat Goyal | IV-B | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>NoSQL - A solution for Big Data</i> | 21 st February, 2015 |
| 14 | Rohit Singhal Lalbabu Purbey | IV-B | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>Comparative Study of different Computing Systems</i> | 21 st February, 2015 |
| 15 | Kopal Porwal Atul Kr. Verma | IV-C | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>Comparative study On CPU Scheduling Algorithm</i> | 21 st February, 2015 |
| 16 | Tripti Sharma Abhishek Jain | IV-C | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>High Performance Quantum Computing</i> | 21 st February, 2015 |
| 17 | Soubhagya Nair Deepak Agrawal | IV-C | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>Haptics –a Virtual Tough Technology</i> | 21 st February, 2015 |
| 18 | Jitendra Motwani Abhishek Jain | IV-C | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>Comparative study On MYSQL And MONGODB</i> | 21 st February, 2015 |
| 19 | Rahul Gupta Md. Nawaid Anjum | IV-C | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>Hibernate Frame Work and Hibernate Query Language</i> | 21 st February, 2015 |
| 20 | Lokesh Kumar Md. Nawaid Anjum | IV-C | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>Palm Vein Authentication Technique</i> | 21 st February, 2015 |
| 21 | Shefali Jain Md. Nawaid Anjum | IV-C | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>Open Stack An Open Source Cloud Computing Platform</i> | 21 st February, 2015 |
| 22 | Gaurav Singhal Deepak Baberwal | IV-C | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>A Comparative Study On Spam Filtering Techniques</i> | 21 st February, 2015 |
| 23 | Abhishek Sharma Lal Babu Purbey | IV-C | National Conference on "Recent Advance in Engg. & Science (NCRAES-2015)" | SIIT, Jaipur | <i>Near Field Communication</i> | 21 st February, 2015 |
| 24 | Nikita Mittal Nitish Srivastava Amol Saxena | IV-A | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Using K-Means Clustering Algorithm to Help Students in Selecting a Major for Study</i> | 28 th February - 1 st March 2015 |
| 25 | Ruchi Sharma Deepak Baberwal | IV-B | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>A Comparative Study on Various Techniques of Detecting Phishing Mails</i> | 28 th February - 1 st March 2015 |
| 26 | Rashmi Munjal Deepak Baberwal | IV-B | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Comparative study of different Opinion Mining & Sentiment Analysis Techniques</i> | 28 th February - 1 st March 2015 |
| 27 | Saurabh Gupta Tarun Mehta | IV-B | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Holography Data Storage System</i> | 28 th February - 1 st March 2015 |
| 28 | Deepti Upadhyay Manish Kr. Sharma | IV-B | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Analysis of Minutiae based Fingerprints Matching used in Biometrics</i> | 28 th February - 1 st March 2015 |
| 29 | Sugandha Pareek Rajat Goyal | IV-B | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Brain Computer Interface Technology and Applications</i> | 28 th February - 1 st March 2015 |

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|----|--|------|--|------------------------------------|--|--|
| 30 | Surabhi Gupta Rajat Goyal | IV-B | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Applications and Security Threats in NFC</i> | 28 th February - 1 st March 2015 |
| 31 | Preeti Sharma Tarun Mehta | IV-B | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Digital Jewelry & its components</i> | 28 th February - 1 st March 2015 |
| 32 | Shiv Raghav Sharma Ranjeeta Bhargava | IV-B | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Data Management on Grid Computing</i> | 28 th February - 1 st March 2015 |
| 33 | Priyanka Mangal Ranjeeta Bhargava | IV-B | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Prevention Against DNS Cache</i> | 28 th February - 1 st March 2015 |
| 34 | Pooja Mittal Sunil Gupta | IV-B | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Face Recognition System with Image Processing</i> | 28 th February - 1 st March 2015 |
| 35 | Sheetal Kabra Rakesh Kr. Jangid | IV-B | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Test Driven Development</i> | 28 th February - 1 st March 2015 |
| 36 | Ashima Bhootna Atul Kumar Verma | IV-A | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>E-ball Personal Computers</i> | 28 th February - 1 st March 2015 |
| 37 | Jagdeep Singh Sakshi Bhatnagar | CS-A | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Gi-Fi</i> | 28 th February - 1 st March 2015 |
| 38 | Harshita Sharma Neha Jhunjhunwala | CS-A | Emerging Trends in Mechanical Engg. in Education & Professional Practices (ETMEPP-15) | PGI, Jaipur | <i>Survey on VANET Data Storage Using Cloud Computing</i> | 28 th February - 1 st March 2015 |
| 39 | Ayushi Agrawal Ganpat S. Chouhan | IV-C | International Journal of Scientific Research & Development | Vol. 3, Issue-1 ISSN 2321-0613 | <i>An Analysis of Development Speed of Crosscutting Code Using Aspect Oriented Programming</i> | March 2015 |
| 40 | Vibhor Sharma Sunil Gupta | IV-C | International Journal of Scientific Research & Development | Vol. 3, Issue-1 ISSN 2321-0613 | <i>Advanced Imaging for Personalized Medical Diagnosis</i> | March 2015 |
| 41 | Anuradha C. Singh Atul Kr. Verma, Lalbabu Purbey | IV-A | 2nd International Conference on Emerging Trends of Engineering, Science, Management and its Applications (ICETESMA-15) | Jawaharlal Nehru University, Delhi | <i>Disparity Matching between Stereo Images</i> | 1 st March 2015 |
| 42 | Anubha Saxena Ankit Kumar Mishra Shakshi Mishra | IV-A | 2nd International Conference on Emerging Trends of Engineering, Science, Management and its Applications (ICETESMA-15) | Jawaharlal Nehru University, Delhi | <i>Brain Fingerprinting Technology</i> | 1 st March 2015 |
| 43 | Arpit Kulkarni Ranjeeta Bhargava | IV-B | 2nd International Conference on Emerging Trends of Engineering, Science, Management and its Applications (ICETESMA-15) | Jawaharlal Nehru University, Delhi | <i>3-D Printing</i> | 1 st March 2015 |
| 44 | Ankita Biswas Deepak Baberwal | IV-A | National Conference of Advances Refrigeration and Energy System (NCARE-2015) | PCE, Jaipur | <i>Comparison between different SQL Injection Detection Tools</i> | 15 th March 2015 |
| 45 | Alka Singh Deepak Baberwal | IV-A | National Conference of Advances Refrigeration and Energy System (NCARE-2015) | PCE, Jaipur | <i>Triple Password Scheme for Security Attacks</i> | 15 th March 2015 |
| 46 | Rajat Agrawal Ganpat S. Chauhan | IV-B | National Conference of Advances Refrigeration and Energy System (NCARE-2015) | PCE, Jaipur | <i>BigData Analysis:Challenges and Their Solutions</i> | 15 th March 2015 |
| 47 | Swati Choudhary Tarun Mehta | IV-B | National Conference of Advances Refrigeration and Energy System (NCARE-2015) | PCE, Jaipur | <i>Comparative Study of Eye Gaze Communication System</i> | 15 th March 2015 |
| 48 | Jitendra Dr. Veena Yadav | IV-B | All India Conference on Futuristic Approaches in Civil and Mechanical Engineering (FACME-15) | MAIET, Jaipur | <i>Wireshark Technology</i> | 25 th March 2015 |
| 49 | Yogesh Sharma Anil Pratap Singh | IV-B | All India Conference on Futuristic Approaches in Civil and Mechanical Engineering (FACME-15) | MAIET, Jaipur | <i>Wireless Networks with Energy Efficiency</i> | 25 th March 2015 |
| 50 | Laxman Singh Trilok Chand Saini | IV-B | All India Conference on Futuristic Approaches in Civil and Mechanical Engineering (FACME-15) | MAIET, Jaipur | <i>Study on Security Attack and Prevention Strategies in Computer Networks</i> | 25 th March 2015 |
| 51 | Shreerath Nair Deepak Baberwal | IV-B | All India Conference on Futuristic Approaches in Civil and Mechanical Engineering (FACME-15) | MAIET, Jaipur | <i>Performance Evaluation of Xen Hypervisor</i> | 25 th March 2015 |
| 52 | Mehul Jain Dr. Ajay Khunteta | IV-B | All India Conference on Futuristic Approaches in Civil and Mechanical Engineering (FACME-15) | MAIET, Jaipur | <i>Wireless Sensors for Home Care System using Zigbee</i> | 25 th March 2015 |
| 53 | Shubham Sharma Ganpat S. Chauhan | IV-C | National Conference on New Trends in IT Industries (NCNTITI-2015) | AIT, Ajmer | <i>Big-Data</i> | 26 th March 2015 |
| 54 | Sparsh Parnami Deepak Agarwal | IV-B | 2 nd International Conference on Convergence of Technologies and Management (CTM-2015) | SGVU, Jaipur | <i>Internet of Things</i> | 27 th March 2015 |
| 55 | Palak Abrol Deepak Agarwal | IV-B | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT, Jaipur | <i>Problems in Cloud Computing & Their Proposed Solution</i> | 10 th -11 th April 2015 |
| 56 | Pooja Bothra Rakesh Kr. Jangid | IV-B | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT, Jaipur | <i>Role of Hadoop in IT Era</i> | 10 th -11 th April 2015 |
| 57 | Shefali Sharma Dr. Ajay Khunteta | IV-B | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT, Jaipur | <i>Computation Analysis on link Data Recovery and Disaster Technology</i> | 10 th -11 th April 2015 |
| 58 | Devika Choudhary Neha Jhunjhunwala | IV-B | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT, Jaipur | <i>Staganography Techniques</i> | 10 th -11 th April 2015 |
| 59 | Surabhi Lal Shakshi Mishra | IV-B | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT, Jaipur | <i>5G Technology Evolution and Revolution</i> | 10 th -11 th April 2015 |
| 60 | Sushila Yadav Neha Jhunjhunwala | IV-B | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT, Jaipur | <i>Comparative Study of SDLC Models</i> | 10 th -11 th April 2015 |
| 61 | Ravi Bansal Anil Pratap Singh | IV-B | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT, Jaipur | <i>Data Integrity in Cloud Computing</i> | 10 th -11 th April 2015 |
| 62 | Rashi Bagga Sakshi Bhatnagar | IV-C | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT, Jaipur | <i>Comarative study of IG to 5 G Technology</i> | 10 th -11 th April 2015 |

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|----|--|------|---|----------------|---|---|
| 63 | Rashi Bagga Sakshi Bhatnagar | IV-C | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT , Jaipur | Comarative study of 1G to 5 G Technology | 10 th -11 th April 2015 |
| 64 | Pranav Lohani Sakshi Bhatnagar | IV-C | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT , Jaipur | Overview of 5G Technology | 10 th -11 th April 2015 |
| 65 | Varuna Mathur Sakshi Bhatnagar | IV-C | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT , Jaipur | Red Tacton Technology | 10 th -11 th April 2015 |
| 66 | Sakshi Agarwal Atul Kumar Verma | IV-C | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT , Jaipur | Picture Password Authentication | 10 th -11 th April 2015 |
| 67 | Sakshi Jain Atul Kumar Verma | IV-C | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT, Jaipur | Visual Cryptography Techniques and antiphishing Framework based on it | 10 th -11 th April 2015 |
| 68 | Pravarna Bidisha Deepak Agarwal | IV-B | International Conference on Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT, Jaipur | Paython: A Programming Language for software integration and development | 10 th -11 th April 2015 |
| 69 | Preeti Yadav Manish Kr. Sharma | IV-B | International Conference On Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT , Jaipur | Design & Analysis Of Machine Learning Algorithm As Classifier | 10 th -11 th April 2015 |
| 70 | Shivam Chaturvedi Sunil Gupta | IV-B | International Conference On Intelligent Computing, Communication & Sciences (ICICCS-2015) | RCERT, Jaipur | Image Segmentation Using Clustering Method | 10 th -11 th April 2015 |
| 71 | Piyusha Mathur Rakesh Kr. Jangid | IV-B | International Conference On Futuristic Trends In Computer & Electronics Engineering- (FTCEE-15) | KITE,Jaipur | Analysis On Openstack-A Cloud Computing Platform | 11 th April 2015 |
| 72 | Prashant Upadhyay Loveleen Kumar | IV-B | International Conference On Futuristic Trends In Computer & Electronics Engineering- (FTCEE-15) | KITE,Jaipur | Backup Mechanism Of Oracle Database And It's Architecture | 11 th April 2015 |
| 73 | Supriya Sakshi Chaudhary Ms. Neha Mathur | IV-B | International Conference On Futuristic Trends In Computer & Electronics Engineering- (FTCEE-15) | KITE,Jaipur | Comparitive Study On bluetooth Tecnology In Medical Field | 11 th April 2015 |
| 74 | Shweta, Ms. Piyusha Tiwari | IV-B | International Conference On Futuristic Trends In Computer & Electronics Engineering- (FTCEE-15) | KITE,Jaipur | Study Of Distributed Computing And Hadoop In Big Data Implementing Map Reduce Programming | 11 th April 2015 |
| 75 | Shivangi Thakur Ms. Nidhi Gupta | IV-B | International Conference On Futuristic Trends In Computer & Electronics Engineering- (FTCEE-15) | KITE,Jaipur | Study On Node Deployment in Wireless Sensor Network | 11 th April 2015 |
| 76 | Shivam Khandelwal Deepak Agarwal | IV-B | International Conference On Futuristic Trends In Computer & Electronics Engineering- (FTCEE-15) | KITE,Jaipur | A Study of Phishing Techniques | 11 th April 2015 |
| 77 | Shubhendu Goswami Rajat Goyal | IV-B | International Conference On Futuristic Trends In Computer & Electronics Engineering- (FTCEE-15) | KITE,Jaipur | SQL Injection Attacks, Detection and Prevention Techniques | 11 th April 2015 |
| 78 | Subodh Sharma Loveleen Kumar | IV-B | International Conference On Futuristic Trends In Computer & Electronics Engineering- (FTCEE-15) | KITE,Jaipur | Peephole Optimization technique for review and analysis of Compiler Design and Construction | 11 th April 2015 |
| 79 | Shubham Sharma Rakesh Kr. Jangid | IV-B | International Conference On Futuristic Trends In Computer & Electronics Engineering- (FTCEE-15) | KITE,Jaipur | Reducing the Search Space for Big Data Mining for Interesting Patterns from Uncertain Data | 11 th April 2015 |
| 80 | Shubham Verma Atul Kr. Verma | IV-B | International Conference On Futuristic Trends In Computer & Electronics Engineering- (FTCEE-15) | KITE,Jaipur | 5G - Future Wireless Technology | 11 th April 2015 |

IMPORTANT LINKS



<http://discuss.codechef.com>



<https://code.google.com/codejam>



<http://www.github.com/>



<http://www.topcoder.com/>



<http://www.quora.com>

AAROHAN POORNIMA

The biggest Tech-Cult Fest of POORNIMA GROUP OF COLLEGES was a massive success. The Department congratulates and praises the efforts made by the students for getting massive success.

WINNERS

AAROHAN

| NAME | YR.- SEC. | EVENT NAME | POSITION |
|------------------|-----------|-----------------------|----------|
| PARAS JAIN | IV C | PROGRAMMING CHALLENGE | FIRST |
| DIVANSHU JAIN | IV A | EXTEMPORE(ENGLISH) | FIRST |
| SOUBHAGYA NAIR | IV C | PICTURE PERCEPTION | FIRST |
| NITIN PAREEK | II A | WEB PAGE MODELING | FIRST |
| SIMRAN SHARMA | II B | FACE PAINTING | FIRST |
| SHASHANK SHARMA | II B | FACE PAINTING | FIRST |
| KRITI GHULATI | II A | RANGOLI | FIRST |
| VARTIKA VYAS | II B | RANGOLI | FIRST |
| HARSHA PAREEK | II A | ME AGAINST MYSELF | FIRST |
| AAKANSHA AGARWAL | II B | RANGOLI | FIRST |
| PREETI CHHABRA | II B | RANGOLI | FIRST |

A scientist can discover a new star but he cannot make one. He would have to ask an engineer to do it for him.

-Gordon Lindsay Glegg

| | | | |
|------------------|-------|-----------------------|--------|
| KESHAV AGARWAL | IV A | PROGRAMMING CHALLENGE | SECOND |
| DIKSHA ARORA | IV C | GROUP DANCE | SECOND |
| JITENDRA MOTWANI | IV C | WEB PAGE MODELING | SECOND |
| PARNEET BAJAJ | III A | GROUP DANCE | SECOND |
| PRANSHU PAREEK | III B | ANTAKSHARI | SECOND |
| SACHIN BALAHEDI | III B | ANTAKSHARI | SECOND |
| SAKSHI LAKHOTIA | III B | ANTAKSHARI | SECOND |
| SANDEEP SHARMA | III B | GROUP DANCE | SECOND |
| ISHAN ARORA | II A | GROUP DANCE | SECOND |
| RUPAL PREET KAUR | II B | GROUP DANCE | SECOND |
| GULSHAN KAUR | II A | GROUP DANCE | SECOND |
| GURPREET KAUR | II A | GROUP DANCE | SECOND |
| HIMANSHU | II A | GROUP DANCE | SECOND |

"The human foot is a masterpiece of engineering and a work of art."

Leonardo da Vinci



IMMENSE EXCELLENCE

| NAME | YR-SEC | SCORE | RANK |
|-----------------------|--------|-------|-------|
| AYUSHI AGRAWAL | IV-C | 602 | 1771 |
| PRIYANKA PALIWAL | IV-B | 597 | 1850 |
| NIVEDITA GAUTAM | IV-A | 554 | 2674 |
| ASHISH SONI | IV-A | 531 | 3274 |
| GIRIRAJ SINGH RATHORE | IV-A | 529 | 3362 |
| ARUN KUMAR | IV-A | 441 | 6675 |
| LOKESH KUMAR | IV-C | 413 | 8358 |
| KANUJ CHAUDHARY | IV-A | 402 | 9024 |
| PURVI JAIN | IV-B | 374 | 11280 |
| ANJALI PANCHOLI | IV-A | 361 | 12472 |
| SURBHI LAL | IV-B | 361 | 12472 |
| JITENDRA MOTWANI | IV-C | 359 | 12757 |
| SUGANDHA PAREEK | IV-B | 352 | 13283 |
| SHUBHAM VERMA | IV-B | 350 | 13603 |
| GAURAV SUMAN | IV-C | 337 | 15032 |
| ANKITA BISWAS | IV-A | 320 | 17425 |

The Department congratulates **Pooja Agrawal (CSE-2014 Batch)** for securing **sixth** rank in RTU Merit List with an aggregate of **84.33%**.

The Department appraises the enormous success of our students in the Gate Examinations and wishes them a massive success for their future.

Congratulations!

GATE 2015

"The fewer moving parts, the better." "Exactly. No truer words were ever spoken in the context of engineering." - Christian Cantrell

PLACEMENTS

- ⇒ **Infosys Technologies** visited for campus placement on 7th & 8th November 2014 at Poomima Group of Colleges, Jaipur. 61 students of the department were selected in this drive.
- ⇒ **Appirio** visited for campus placement on 23rd August 2014 at Poornima Group of Colleges, Jaipur .1 student of the department was selected in this drive.
- ⇒ **Zensar Technologies Pvt. Ltd.** visited for campus placement on 10th November 2014 at Arya College of Engineering & Information Technology, Jaipur . 6 students of the department were selected in this drive.
- ⇒ **Pratham Software** visited for campus placement on 17th November 2014 at Poornima Group of Colleges, Jaipur. 2 students of the department were selected in this drive.
- ⇒ **Zeta Interactive** visited for campus placement on 19th, 22nd and 23rd November 2014 at Poornima Group of Colleges, Jaipur. 2 students of the department were selected in this drive.
- ⇒ **IBM** visited for campus placement from 27th to 30th February 2015 at Arya Institute Of Engineering & Technology, Jaipur. 1 student of the department was selected in this drive.
- ⇒ **Nagarro Softwares** visited for campus placement on 15th November 2014 at Poornima Group of Colleges, Jaipur. 3 students of the department were selected for the next phase.
- ⇒ **Girnar Technologies** visited for campus placement on 16th January 2015 at Arya College of Engineering & Information Technology, Jaipur. 5 students of the department were selected in this drive.
- ⇒ **Igate** visited for campus placement on 8th January 2015 at Arya College of Engineering & Information Technology, Jaipur. 10 students of the department were selected in this drive.
- ⇒ **Mphasis** visited for campus placement on 13th & 16th February 2015 at Poornima Group of Colleges, Jaipur . 5 students of the department were selected in this drive.
- ⇒ **Josh Technologies** visited for campus placement on 17th March 2015 at Poornima Group of Colleges, Jaipur . 1 student of the department was selected in this drive.
- ⇒ **Amdocs** visited for campus placement on 16th & 17th March 2015 at Poornima Group of Colleges, Jaipur. 2 students of the department were selected in this drive.
- ⇒ **BigStep Technologies** visited for campus placement on 22nd march 2015 at Poornima Group of Colleges, Jaipur . 2 students of the department were selected in this drive.
- ⇒ **InnoEye Technologies** visited for campus placement on 27th February 2015 at Poornima Group of Colleges, Jaipur . 1 student of the department was selected in this drive.
- ⇒ **Nagarro Software (II Phase)** visited for final campus placement on 17th February 2015 at Poornima Group of Colleges, Jaipur. 1 student of the department was selected in this drive.
- ⇒ **TCS** visited for campus placement on 21st February 2015 at Arya College of Engineering & Information Technology, Jaipur. 2 students of the department were selected in this drive.
- ⇒ **Indian Army** visited for campus placement on 15th December 2014 for the batch of 2011-2015 at Poomima Group of Colleges, Jaipur. 3 students of the department were shortlisted for the Service Selection Board (SSB).
- ⇒ **Indian Navy** visited for campus placement from 8th to 10th September 2014 at Poornima Group of Colleges, Jaipur. 8 students of the department were shortlisted for the Service Selection Board (SSB).
- ⇒ **Indian Army** visited for campus placement on 29th & 30th January 2015 for the batch of 2012-2016 at Poomima Group of Colleges, Jaipur. 6 students of the department were shortlisted for the Service Selection Board (SSB).

The Department congratulates all the placed students and wishes them a massive success ahead.

JOSH TECH.

BHARAT KOTHARI IV-A

BIG STEPS

RISHABH AGARWAL IV-B

PARAS JAIN IV-C

PRATHAM SOFT.

DEEKSHA CHATURVEDI IV-A

SHEETAL KABRA IV-B

GIRNAR SOFT.

NEHA WADHWA IV-A

RONAK JAIN IV-A

ROHIT KHANDELWAL IV-B

VISHNU LAKSHKAR IV-B

ANURADHA CHANDRA IV-C

AMDOGS

SUBHAGYA NAIR IV-C

UDAY SINGH IV-C

TGS

DIVANSHU JAIN IV-A

SAURABH GUPTA IV-B

IBM INDIA

MEENAL KUKREJA IV-A

APPIRIO

SHREERATH NAIR IV-B

ZETA INT.

AKHILESH SONI IV-A

RISHABH AGARWAL IV-B

ZENSAR TECH.

ANKITA BISWAS IV-A

PRIYANKA PALIWAL IV-B

SAURABH GUPTA IV-B

SPARSH PARNAMI IV-B

SAPNA CHOITHANI IV-C

SUBHAGYA NAIR IV-C

NAGARRO

DEEPAK GUPTA IV-A

SHUBHAM SHARMA IV-C

VIBHOR SHARMA IV-C

SUBODH SHARMA IV-B



INFOSYS

| | | | |
|-----------------------|-------------------------|------------------------|-----------------------|
| AASHIMA BHOTNA IV-A | HARDIK KHADGAWAT IV-A | PREETI SHARMA IV-B | AKSHI AGARWAL IV-C |
| AASHISH JHA IV-A | HARPREET SINGH IV-A | PRITI KUMARI IV-B | AYUSHI AGRAWAL IV-C |
| ABHILASH CHHIPA IV-A | HEMANT MANWANI IV-A | PURVI JAIN IV-B | DIKSHA ARORA IV-C |
| ABHIMANYU BANSAL IV-A | KANUJ CHOUDHARY IV-A | RAJAT AGRAWAL IV-B | DINESH KANAYALAL IV-C |
| ALKA SINGH IV-A | KESHAV AGARWAL IV-A | RASHMI MUNJAL IV-B | GAURAV SINGHAL IV-C |
| AMAN KUMAR IV-A | KRATIKA KHUNTETA IV-A | REKHA KHATRI IV-B | GAURAV SUMAN IV-C |
| ANJALI PANCHOLI IV-A | LALIT KUMAR SHARMA IV-A | ROHIT SINGHAL IV-B | JITENDRA MOTWANI IV-C |
| ANUBHA SAXENA IV-A | MANSI SHARMA IV-A | RUCHI SHARMA IV-B | KOPAL PORWAL IV-C |
| ARUN KUMAR IV-A | NITISH SRIVASTAVA IV-A | SAMBHAV AGARWAL IV-B | LOKESH KUMAR IV-C |
| ASHISH SONI IV-A | NIVEDITA GAUTAM IV-A | SHREERATH NAIR IV-B | MONIKA PARASHAR IV-C |
| BHARAT KOTHARI IV-A | ARPIT KULKARNI IV-B | SHUBHAM SHARMA IV-B | PRACHEER JAIN IV-C |
| DEEPAK LALWANI IV-A | DEEPTI UPADHYAY IV-B | SHUBHENDU GOSWAMI IV-B | PRANAV LOHANI IV-C |
| DIVANSHU JAIN IV-A | PALAK ABROL IV-B | SHWETA IV-B | RAHUL GUPTA IV-C |
| DIVYA IV-A | POOJA BOTHRA IV-B | SUGANDHA PAREEK IV-B | RAJAT JAIN IV-C |
| GIRIRAJ RATHORE IV-A | PRAVARNA BIDISHA IV-B | SURBHI GUPTA IV-B | SHEFALI JAIN IV-C |
| | | | TRIPTI SHARMA IV-C |

IGate SOLUTIONS

| |
|-------------------------|
| ANKIT KUMAR MISHRA IV-A |
| HARSHITA SHARMA IV-A |
| NIKHIL SHARMA IV-A |
| PIYUSHA MATHUR IV-B |
| RAVI JAROLI IV-B |
| SHIVAM KHANDELWAL IV-B |
| POORVA SHARMA IV-C |
| SACHIN KUMAR GARG IV-C |
| ANKITA SHARMA IV-C |
| NEHA WADHWA IV-A |

INDIAN ARMY (SSB)

| |
|--------------------------------|
| AKSHAT AGARWAL III-C |
| DHEERAJ CHAUHAN III-A |
| HIMANSHU ANILKUMAR ARORA III-C |
| KARTIK MODI III-A |
| RAJAT KUMAR GUPTA III-B |
| TAPAN MATHUR III-B |

MPHASIS Ltd

| |
|----------------------|
| AVINASH SHARMA IV-A |
| JASU AGARWAL IV-A |
| SUMIT CHOUDHARY IV-B |
| VIKRAM SUNDESHA IV-B |
| VARUNA MATHUR IV-C |

INDIAN NAVY(SSB)

| |
|------------------------|
| HARDIK KHADGAWAT IV-A |
| LOKESH KUMAR IV-C |
| PRAKHAR PANDEY IV-C |
| RAVI JAROLI IV-B |
| SPARSH PARNAMI IV-B |
| SACHIN KUMAR GARG IV-C |
| RAJAT JAIN IV-C |
| SUMIT CHOUDHARY IV-B |

ALUMNI SPOTLIGHT



Poornima Alumni Association has been functioning to maintain the alumni relations of Poornima amongst the passed out students. To maintain a strong alumni association & connection, it is essential to create a platform where all the alumnus as well as present students can get information & happenings about their college & establish a better network leading to the growth and development of our institute.

Mr. Ajay Jangid (CSE-2009 batch) working as SSE in Singapore for **IGate** interacted with III A students on 19-01-2015. He talked about the current market trends and the responsibilities of Engineers towards the society

Mr. Sourabh Goyal (CSE-2012 batch) who is working for **Infosys** in Pune, interacted with II A students on 02-03-2015, motivating them to pay attention on improving their communication skills. He shared his experience and made the students acquainted with the work environment of Infosys.

Ms. Shreya Girdhani(CSE-2012 batch) working in **Reliance Industries Ltd.** Visited Poornima College Of Engineering on 02-03-2015 and made students more aware about technologies like Systems Applications and Products (SAP). She told about the advantages of mastering new technologies and motivated them for the same.

Mr. Vikram Singh (CSE-2014 batch) working as Linux Engineer in **Taashi Linux Services**, Bangalore shared his knowledge and expertise in Linux with III B students on 16-03-2015. He also told the students about the job opportunities in the field of Linux.

Ms. Vartika Gupta (CSE-2012 batch) currently working in **Infosys** enlightened the IV year students about how to appear for Infosys placement drive on 01-11-2014. She also emphasized on the role of Communication skills in corporate world.

Mr. Gaurav Sharma (CSE-2004 batch) helped to conduct Mock Interviews at Department level. Total 20 such interviews were conducted till 01-11-2014, preparing the students to appear for Placement drives. He is working with **Infosys**, Jaipur as a Project Lead.

Mr. Ritesh Nahar (IT-2010 batch) employed in **Nagarro** guided the students about Nagarro drive and also about life in the Corporate World on 14-11-2014. He motivated the students to work hard to achieve their goals.

ACTIVITIES OF THE DEPARTMENT

Microsoft's Massively Empowered Classroom (MEC)

Website: www.mecr.org

Project Coordinator: Mr. Deepak Agarwal

Massively Empowered Classrooms

A community initiative supported by Microsoft Research

Microsoft Research India introduced MEC (short for “Massively Empowered Classrooms”), a research project designed to bring the highest quality classroom material to every undergraduate engineering student in India. Microsoft Research India is running this program to understand how online educational systems might be used to improve learning for Indian college students. We have chosen a course in **Data Structures and Algorithms** under this program. **150** students were registered for this course and **35** students cleared all the five quizzes and awarded with certificates of completion.

SPOKEN TUTORIALS



It is an initiative under National Mission on Education through ICT, MHRD, Government of India, to promote IT literacy through Open Source Softwares. In the current phase, one month training is necessary for students before facing the assessment test. The **Spoken Tutorial** project has been developed by **IIT Bombay** for **MHRD, Government of India**. **6** trainings on Linux and Java were organized as per the below given details.

Website: <http://spoken-tutorial.org>

Organizer : Mr. Amol Saxena
Coordinator: Mr. Deepak Agarwal

| Sr. No. | Class | No. of Registered students | FOSS | Training Code | Start Date | Completion Date |
|---------|-------|----------------------------|-------|---------------|------------|-----------------|
| 1 | II A | 69 | Linux | WC-20008 | 10-03-15 | 10-04-2015 |
| 2 | II B | 54 | Linux | WC-20026 | 12-03-15 | 10-04-2015 |
| 3 | II C | 52 | Linux | WC-20020 | 11-03-15 | 10-04-2015 |
| 4 | III A | 65 | Java | WC-20064 | 11-03-2015 | 11-04-2015 |
| 5 | III B | 60 | Java | WC-20077 | 12-03-2015 | 11-04-2015 |
| 6 | III C | 65 | Java | WC-20065 | 13-03-2015 | 11-04-2015 |

| Student Coordinators | Section |
|----------------------|---------|
| Piyush Sharma | III-A |
| Prateek S. Chauhan | III-B |
| Akshat Agarwal | III-C |
| Ayushi Khandelwal | II-A |
| Sanjay Sharma | II-B |
| Akshita Surana | II-C |

QEEE (QUALITY ENHANCEMENT IN ENGINEERING EDUCATION)

QEEE is an MHRD initiative of IIT Madras for Quality Enhancement in Engineering Education. Currently we are running in the third phase of MHRD's QEEE Program. The QEEE Phase III adopted a “Topic – centric” approach instead of course centric approach. Key topics/modules in various core engineering subjects identified in collaboration with local faculty. The entire topic taught through 3 two-hour live sessions. One hour out of 6 hours per topic/module was dedicated to problem solving. Our department opted only one course “Computer Networks” in this phase.

| Sessions | Time | Date | Attended By | Faculty |
|-----------|--------------|------------|-------------|-----------------------------------|
| Session-1 | 2:00-4:00 PM | 30-03-2015 | III Year | Prof. Bhaskaran Raman, IIT Bombay |
| Session-2 | 2:00-4:00 PM | 01-04-2015 | III Year | |
| Session-3 | 2:00-4:00 PM | 06-04-2015 | III Year | |

ADVISOR:
Dr. OM PRAKASH SHARMA

COORDINATOR:
MR. DEEPAK AGARWAL

SYSTEM ADMINISTRATOR:
MR. MANISH KUMAR JANGID

“The computer was born to solve problems that did not exist before.”

WEBINARS

COORDINATOR:
MR. LAL BABU PURBEY

| Session | Topic | Date | Time |
|---------|--------------------------------------|--|--------------------|
| 1 | Big Data & Hadoop (4 Sessions) | 6 th , 13 th , 20 th & 27 th Feb-2015 | 11:00 AM– 12:00 PM |
| 2 | Android App Development (7 sessions) | 12 th , 17 th , 19 th , 24 th , 26 th , 31 st March & 7 th April 2015 | 11:00 AM– 12:00 PM |

BIGDATA

ANDROID

“Our all-volunteer force continues to prove itself with a great level of professionalism, personal commitment and a technical competencies that is quite remarkable.”

STUDENTS' CORNER

Net Neutrality in India

Net neutrality is the principle that Internet Service Providers (ISPs/ Telecoms) and government should treat all data on the Internet equally, not discriminating or charging differentially by user, content, website, mobile application or mode of communication. Airtel, Reliance, Tata Docomo are few of the ISPs in India. In the United States as well, telecom companies attempted but they failed due to massive public response against it! Now, breach of net neutrality is illegal in the USA. Eg- If we use electricity, companies charge us according to amount of usage not how and which appliance we use. Similarly, when it comes to Internet, companies can charge according to amount of usage & speed not according to which websites we visit. Telecom companies have lobbied to TRAI and is trying to bring regulations into the usage of Internet. If this happens in India, the ISPs will decide which website or app we will be given access to and how much we'll have to pay for accessing each website/app. If we are an app publisher or a website owner, we'll have to pay to each ISP to make our app/website visible to the people on their network. Eg: In an Airtel network, Airtel may 'charge' us to use WhatsApp while Hike Messenger will be free to use since Hike is an Airtel product.



Now, breach of net neutrality is illegal in the USA. Eg- If we use electricity, companies charge us according to amount of usage not how and which appliance we use. Similarly, when it comes to Internet, companies can charge according to amount of usage & speed not according to which websites we visit. Telecom companies have lobbied to TRAI and is trying to bring regulations into the usage of Internet. If this happens in India, the ISPs will decide which website or app we will be given access to and how much we'll have to pay for accessing each website/app. If we are an app publisher or a website owner, we'll have to pay to each ISP to make our app/website visible to the people on their network. Eg: In an Airtel network, Airtel may 'charge' us to use WhatsApp while Hike Messenger will be free to use since Hike is an Airtel product.

Akshay Mittal (III-C)

Software Development in Startups

Startups are newly created companies with little or no history of facing high volatility in technologies and markets. In the US alone, 476,000 new businesses are established each month, accounting for nearly 20 percent of job creation. As such, startups are an important factor in the economy. However, the environment of startups is dynamic, unpredictable, and even chaotic, forcing entrepreneurs to act quickly, fail fast, and learn faster to land a market niche and acquire a sustainable



income. Sixty percent of startups don't survive the first five years, and 75 percent of venture capital funded startups fail. Most of this is due to the high risk of startups, missed market windows, and other business reasons. To what extent engineering practices impact this high failure rate is still unknown given the premature state of research. We present a detailed investigation and collection of all known empirical software engineering sources related to startups and their engineering practices, as well as an analysis of how accurate and reliable this available evidence is. We see this as a first critical step into a largely unknown area—the world of software engineering practices in startups.

Annu Agarwal (II-C)

FACULTY CORNER

MACHINE LEARNING

Machine learning is a scientific discipline that explores the construction and study of algorithms that can learn from data. Such algorithms operate by building a model from example inputs and using that to make predictions or decisions, rather than following strictly static program instructions. Machine learning is closely related to and often overlaps with computational statistics; a discipline that also specializes in prediction-making.



Machine learning is a subfield of computer science stemming from research into artificial intelligence. It has strong ties to statistics and mathematical optimization, which deliver methods, theory and application domains to the field. Machine learning is employed in a range of computing tasks where designing and programming explicit, rule-based algorithms is infeasible. Example applications include spam filtering, optical character recognition (OCR), search engines and computer vision. Machine learning is sometimes conflated with data mining, although that focuses more on exploratory data analysis. Machine learning and pattern recognition "can be viewed as two facets of the same field.". **Applications** for machine learning include: Machine, Computer, including object recognition, Natural language processing, Syntactic, Search, Medical, Bioinformatics, Brain-machine interfaces, Cheminformatics, Detecting credit card fraud, Stock market analysis, Classifying DNA sequences, Sequence mining, Speech and handwriting recognition, Game playing

Software suites containing a variety of machine learning algorithms include the following **Open-source software**: Apache, dlib, ELKI, Encog, H2O, KNIM, EmplpyMLPACK, MOA (Massive Online Analysis), Monte Carlo Machine Learning Library, OpenCV.

Mr. Atul Kumar Verma
Asst. Prof.

BLUE BRAIN

The **Blue Brain Project** is an attempt to create a synthetic brain by reverse-engineering mammalian brain circuitry. The aim of the project, founded in May 2005 by the Brain and Mind Institute of the *École Polytechnique Fédérale de Lausanne* (EPFL) in Switzerland, is to study the brain's architectural and functional principles. The project is headed by the founding director Henry Markram and co-directed by Felix Schürmann and Sean Hill. Using a Blue Gene supercomputer running Michael Hines's NEURON software, the simulation does not consist simply of an artificial neural network. It is hoped that it will eventually shed light on the nature of consciousness.



There are a number of sub-projects, including the Cajal Blue Brain, coordinated by the Supercomputing and Visualization Center of Madrid (CeSViMa), and others run by universities and independent laboratories. **Neocortical column modeling**: The initial goal of the project, completed in December 2006, was the simulation of a rat neocortical column, which is considered by some researchers to be the smallest functional unit of the neocortex (the part of the brain thought to be responsible for higher functions such as conscious thought). Such a column is about 2 mm tall, has a diameter of 0.5 mm and contains about 60,000 neurons in humans; rat neocortical columns are very similar in structure but contain only 10,000 neurons (and 10^8 synapses). Between 1995 and 2005, Markram mapped the types of neurons and their connections in such a column. **Cajal Blue Brain (Spain)**: Cajal Blue Brain used the Magerit supercomputer (CeSViMa) The Cajal Blue Brain is coordinated by the Technical University of Madrid and uses the facilities of the Supercomputing and Visualization Center of Madrid and its supercomputer Magerit. The main lines of research currently being pursued at Cajal Blue Brain include neurological experimentation and computer simulations. Nanotechnology, in the form of a newly designed brain microscope, plays an important role in its research plans.

Mr. Deepak Agarwal
Asst. Prof.

GLIMPSES



INFOSYS WORKSHOP
Infosys Workshop



WISE ACTIVITY



PRINCIPALS' MEET AT INFOSYS CHANDIGARH



AAROHAN



PAPER PRESENTATION



PROGRAMMING CHALLENGE

दो दिवसीय गियरअप वर्कशॉप का आयोजन

सिटी रिपोर्टर • पूर्णिमा कॉलेज ऑफ इंजीनियरिंग में दो दिवसीय गियरअप वर्कशॉप का आयोजन किया गया। ये वर्कशॉप इंफोसिस की ओर से चुने गए 182 स्टूडेंट्स के लिए किया गया। जिसका उद्देश्य स्टूडेंट्स को जावा टेक्नोलॉजी और आरडीबीएमएस कॉन्सेप्ट से अवगत करवाना था। वर्कशॉप के कोऑर्डिनेटर मनीष कुमार शर्मा थे।



SAKSHAM - 2K15

POORNIMA
COLLEGE OF ENGINEERING
Presents
ENTREPRENEURSHIP WEEK
"SAKSHAM - 2K15"
DATE-17th To 20th March 2015
IN COORDINATION WITH
NEN
NATIONAL ENTREPRENEURSHIP NETWORK



AAROHAN-2015



INDUSTRY INST. INTERACTION



QEEE SESSION

“JAI JAI POORNIMA SANSTHAN”