Ping: A Bimonthly e – Newsletter

HoD's Message

It is a great pleasure to see the creative expressions of students who had contributed to Ping. Department of CEA has grown abundantly in the recent past. It continues to sustain its growth. People reading this e-newsletter will realize the tremendous changes that are happening in the department. The e-newsletter is presenting glimpses of the growth of the department on many fronts. The department has been simply unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of the students and staff. The highly qualified and dedicated faculty members have always stood shoulder with the management and have carried out their duties with a level of commitment.

This e-newsletter has recorded achievements such as: International conference, workshops organized by the department, innovative projects, social activities done by students and faculty members. They stand as a witness to the monumental efforts taken by the management to make the department a centre of excellence in education and research. I wish the faculty members, staff and students of the department success in their future endeavors.

Prof. Anand Singh Jalal

From the Chief Editor's Desk

It gives me great opportunity to present the third issue of *Ping: A Bimonthly e - Newsletter*. The last two months were full of various and vibrant activities by the students and faculty in academic, co-curricular, extra-curricular as well as research & developments.

During this span of time, we organized one International Conference along with some workshops for faculty members, researchers and students on various emerging trends in computer science domain. We are very happy that many teachers of our department have completed their PhD & MTech. There is no two way about saying that their research contribution will be beneficial for department in many aspects.

We also organized good number of events on special days as IEEE day, Dennis Ritchie's B'Day, Dr. Kalam's B'day, Engineers Day, Vishwakarma Jayanti etc. to engage our students in cultural and technical activities to ensure their overall development.

Let me close by offering my sincere thanks for everyone's support during the past couple of months. Special thanks for editorial team for their sincere efforts. Their immeasurable help has got *Ping: A bimonthly e-Newsletter* off the ground. So here, the issue is now in your machine. I hope you will all enjoy it.

Nikhil Govil

UPCON 2017

Department of CEA organized 4th IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics (UPCON 2017), India during 26 – 28 October, 2017, in technical collaboration with IEEE Uttar Pradesh Section. The theme of the conference was aptly chosen keeping in conference with the industry demands and proliferation in the fields of Electrical, Electronics and Computer Science.

Delegates inaugurating the Conference Proceedings.

The conference was inaugurated on 27th October by Chief Guest of the conference Prof. Yogesh Singh, Vice Chancellor, Delhi Technological University, New Delhi; Guest of Honor Prof. P.K. Kalra, Director, Dayalbagh Educational Institute, Agra. The day took off with a scintillating message by the Convener of the Conference, Prof. Dilip Kumar Sharma.

The Vice Chancellor, Prof. D. S. Chauhan, welcomed the gathering and addressed them with a motivational words that such types of International Conferences would benefit not only the members present here, but to the Industry, academics and researchers as a whole. He also congratulated the organizers and thanked them on behalf of the Management of GLA University.

During this conference, department of CEA conducted two National workshops on "Soft Computing Tools For Biometric Devices" & on "Emerging Trends in Information Retrieval" on 26 November 2017.

Dr. Ashish Saini inaugurating the workshop.

The inauguration of this workshop was done by Honorable Prof. A. M. Agrawal, Pro Vice Chancellor, GLA University, Mathura and Session Guests Dr. Ashish Saini, Associate Professor, Department of Computer Engineering, Dayalbagh Educational Institute, Agra and Dr. Upendra Kumar, Assistant Professor, IET, Lucknow, Dr. Pawan Kumar Tiwari, Assistant Professor, IET, Lucknow, India along with HoD CEA – Prof. Anand Singh Jalal, Prof. Dilip Kumar Sharma, & Convener of the workshop– Dr. Manoj Kumar by lighting up the lamp & offering garlands to Goddess Saraswati & source of inspiration Late Shri Ganeshi Lal Agarwal Ji. Prof. Dilip Kumar Sharma welcomed the guest and briefly introduced them.

Mr. Nilanjan Dey during his talk.

Mr. Nilanjan Dey, Techno India, Kolkata addressed the audience during technical session. Prof. Vincenzo Piuri, University of Milan, Italy was one of the key note speakers. His talk title

was "Computational Intelligence Technologies for Ambient Intelligence".

Prof. Vincenzo Piuri's talk on "Computational Intelligence Technologies for Ambient Intelligence".

Prof. Belkacem Kada, King Abdulaziz University, Saudi Arabia, delivered his thoughts on "New Advances and Progress in Tactical Missiles Guidance, Navigation, and Control."

Prof. Ishak Bin Aris's talk on "Impacts of IoT & ICT to current & Future Intelligent Energy Efficient vehicle".

Prof. Ishak Bin Aris, University of Putra, Malaysia addressed the participants on the topic, "Impacts of IoT and ICT to current and Future Intelligent Energy Efficient vehicle".

Prof. Dilip Kr. Sharma receiving Outstanding Contribution Award from Prof. S. N. Singh.

During the conference, Convener of the Conference, Prof. Dilip Kumar Sharma was also awarded with Outstanding Contribution Award for IEEE U.P. Section from the Vice Chancellor, Madan Mohan Malaviya University of Technology, Gorakhpur and IEEE India Council Chair, Prof. S. N. Singh.

Best PhD Thesis award ceremony.

In the conference, there was a separate session for PhD symposium. In which best PhD thesis awards were given to Ms. Parul Puri, Asst. Prof., Jaypee Institute of Information Technology, Noida, Mr. Kushmanda Saurav, Asst. Prof., IIT Jammu and Mr. Rajeev Kumar Chauhan, Asst. Prof., Galgotia College of Engg. & Tech., G. Noida.

Glimpse of Valedictory session.

In the conference valedictory session, Prof. Ashish Sharma gave the crisp summary of the conference followed by the Vote of Thanks by Dr. Manoj Kumar.

In UPCON 2017, papers were classified in 23 technical sessions. The organizers received 400

research papers in all from various academicians and industry people from India and abroad. Out of which there were 142 valid submissions. All submitted papers underwent a rigorous process of two level blind reviews. First, the papers were matched with the relevance of the conference, and then checked for plagiarism. After this level of review, total registered papers were 127 presented papers were 124. In this conference, total 25 research papers were received from 12 different countries. Along with that, total 45 research papers were from various IITs & IIITs, 60 papers from various NITs and 12 papers from Industry as well, were received.

Cultural event during conference.

During the conference, a cultural event was also organized for the participants by the students of CEA department. Students performed songs, dance, poetry, skit etc. in this event. One of the main attractions of the cultural event was Shri Radha-Krishna Leela including Brij's special "Flowers Holi" through devotional & folk songs. The delegates & participants have taken significant inputs out of this conference. With efforts from GLA University management, faculty members and delegates, the conference was a great success in meeting its objectives.

Teacher's Day Celebration

The birthday of Dr. S. Radha Krishnan, former President of India was celebrated as Teachers' Day on September 05. The Members of the Student Council, who had been preparing for the grand day for more than a week, organized a great show dedicated to their teachers. The day buzzed with excitement and smiles all around.
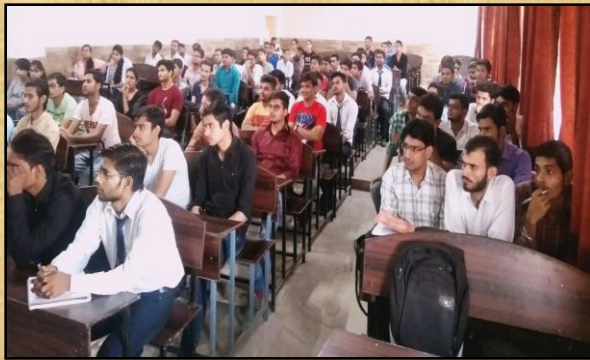

Prof. Charul Bhatnagar cutting cake on Teacher's Day.

A wonderful video, made by students, showing a collage of teachers in their different roles and duties on the university campus was an endearing gesture and was thoroughly enjoyed by all.

Lastly and most importantly, HoD-CEA Prof. Anand Singh Jalal shared a few words of encouragement for the students who had worked for days behind the scenes to organize the event. It was truly a proud day for the teachers to bask in the love and attention they received from their students!

Dennis Ritchie's Birthday Celebration

Department of CEA celebrated Dennis MacAlistair Ritchie's birthday on September 9. Dennis MacAlistair Ritchie was an American computer scientist who created the C programming language and, with long-time colleague Ken Thompson, the Unix operating system. Department organized a full day workshop entitled, "*First Dive into C*". This workshop was coordinated by A4A's technical club president, Mr. Piyush Khandelwal. This workshop was mainly for first year students of BTech, BCA & MCA; in which more than 125 students took part actively.
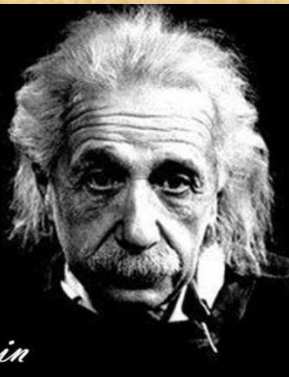
Students attending workshop: First Dive into C.

Workshop was conducted by two BTech (CSE) final year students, Sarthak Garg and Sagar Goyal, who discussed the basics of C programming language along with troubleshooting tips for common mistakes done by beginners.

Engineer's Day Celebration

In remembrance of Sir Mokshagundam Vishweshwarayya, the most outstanding Engineer of all times, the engineering fraternity of India celebrates "Engineer Day "every year on September 15. It was this day 157 years ago that this great contributor to growth and engineering was born. Engineers operate at the interface between science and society. To identify the great works done by our hard working engineers every year, 15th September is celebrated as "Engineer's Day" marking the birthday of Sir Mokshagundam Vishweshwarayya.

we cannot solve our problems with the same thinking we used when we created them

~ Albert Einstein

Glimpses of expert session.

In Department of CEA, we have celebrated an Engineer's day by organizing an expert session for the faculty members conducted by two of our faculty members as Mr. Juginder Pal Singh & Mr. Vivek Sharma on topic, "Spectrum Sensing for MIMO-OFDM Cognitive Radio Systems". They elaborated that it basically covers the underlying technology of 4G & 5G wireless communication. In this session, key aspects and research areas of Cognitive Radio Systems were also discussed.

Vishwakarma Day Celebration

Vishwakarma Day, also known as Vishwakarma Jayanti, is a day of celebration for Vishwakarma, a Hindu God, the divine architect. Department of CEA, celebrated this day by organizing a workshop for the students and by the students. On Vishwakarma Diwas, September 17; as per part of curriculum, one day workshop on Cloud Computing was conducted by the department under the banner of ABACUS computer society. The faculty coordinators of this workshop were Mr. Neeraj Kumar Pandey & Mr. Awadhesh Kumar Singh; Assistant Professor.

Students during workshop on Cloud Computing.

This workshop was conducted for first year students of BTech – CSE (DA & CCV) by two second year students of BTech – CSE (DA & CCV) named Pramod Jana & Tanya Gangwar. They also conducted the lab sessions for this workshop.

IEEE Day Celebration

The IEEE student branch, GLA University, Mathura in association with IEEE SP/C Joint Chapter, Uttar Pradesh section celebrated IEEE-Day on October 03, themed as "Leveraging Technology for a Better Tomorrow". The primary purpose behind the event was to increase awareness about the current technology and its contribution towards the betterment of society. While the world benefits from what's new, IEEE focuses on what's next.

Students participating in IEEE Day events.

Prof. Anand Singh Jalal (HoD - CEA), Prof. Dilip Kumar Sharma (Secretary IEEE Uttar

Pradesh Section), Dr. Manas Kumar Mishra (Associate Professor, Department of CEA) were the dignitaries present. IEEE Day 2017 celebration was started with the cake cutting ceremony to mark. Prof. Dilip Kumar Sharma has delivered a talk on IEEE's contribution in development of science and technology in modern world. He also spoke about the achievements of the IEEE UP section, how being an IEEE member benefits a student in his career and the different activities of IEEE chapters across the world. Mohd. Aamir Khan (Research Scholar) spoke about the different branches of IEEE, the IEEE newsletter and how being associated with IEEE has helped him in his academic life. MTech students Ayushi Mishra, Amit Yadav, Rashi Gupta & Priya organized quizzes on topics, "IT Act" and "Multimedia".

Dr. A.P.J. Kalam's B'Day Celebration

On October 15, the birthday of Dr. A.P.J. Abdul Kalam was celebrated in our department. The function began in the presence of department Head Prof. Anand Singh Jalal, with a speech on vision & dreams of Dr. Kalam.

Welcome speech was read by BCA Program Coordinator, Mr. Narendra Mohan Sharma. In honor of Dr. Kalam, a workshop on Cloud Computing was also conducted in department.

Glimpses of Cloud Computing workshop.

This workshop was conducted by BCA's final year students named Saurabh Gaur, Shivani Arora and Vishnu Vats. They explained the basics of cloud computing, its origination, various models and application areas of cloud computing. At the end of this workshop, a quiz was also there for participants in which BCA first year student Dhananjay Singh was declared as winner, who was awarded with certificate. The function came to an end with vote of thanks by Mr. Anuj Mangal and then National Anthem.

Faculty Enablement Program Attended

Mr. Jitesh Bhatia & Mr. Piyush Vashistha during session.

Mr. Jitesh Kumar Bhatia & Mr. Piyush Vashistha, Assistant Professor; have attended an Faculty Enablement Program on "Foundation Program 4.1", organized by Infosys Limited, Chandigarh held at SKIT, Jaipur, Rajasthan from 18th – 22nd September 2017. They both were awarded with A+ grade in their training sessions.

Social Responsibilities Under Aashaein

Tree Plantation by Aashaein Social Club

Under the collaborations of Aashaein Social Club, students of Department of CEA performed their social responsibilities by planted more than 50 trees along with tree guards on holy Goverdhan Parikrama Marg, Goverdhan, Mathura.

Team Aashaein during tree plantation.

This social work was took place under the banner of Ujjawal Brij campaign in the coordination of two BTech (CSE) final year students named Otti Sailesh Kumar and Kavya Agrawal along with Club President, Prof. Anand Singh Jalal, Vice President Dr. Manoj Kumar & Member Mr. Juginder Pal Singh.

Blood Donated by Students

Students donating blood.

Two BCA students, Amarjeet Pachauri and Nitin Tomar donated blood as a social cause. After donating blood they share their thoughts as, *"It makes us feel more inclined to donate as well because the blood is being used and we know it's gone somewhere special."*

Tete-a-tete on Int'l Girl Child Day

Editorial board of Ping organized a Tete - a - tete with one of the senior faculty member of CEA department, Prof. Charul Bhatnagar on "International Girl Child Day", October 11. This year's theme is "The Power of the Adolescent Girl: Vision for 2030."

Tete – a – tete with Prof. Charul Bhatnagar.

Our student editor, Mr. Aman Saraswat from B.Tech. (CSE) IIIrd year conducted this session with her. Prof. Charul shared her views on current situation and future expectations for girls' education. She enlightens her thoughts on contribution of girls in our country & society.

Aman Saraswat: Good Morning Madam! On this girl child day, I would like to take an interview to know your thoughts on girl child situation in India and worldwide.

Prof. Charul Bhatnagar: Good Morning Aman! I am very much happy to know that you and your team is pretty enough concern with this important issue of our society.

AS: Why girls in society are still missing out on the education they need?
CB: Because of the old mentality of people who think that girl should be engaged in house works only and study is not so important for her. These people should change their mindset.

AS: How can fathers, brothers and even husbands, become companions of girls' education, especially in traditional societies?
CB: They should make her independent and teach her how to live in the society with these worst conditions.

AS: How can one contribute for women education apart from strikes, rallies and occasional awareness?
CB: One should encourage the girls of his/her society and support them to move ahead in life. Girls are doing really well in today's world in every field. So instead of doing rallies and all; we should make her strong internally and support her.

AS: What you think about status of women education in our country and specifically in our University?
CB: The status of women education in our country is improving day by day as we see that we have women entrepreneurs, scientists etc. In our University itself, one can easily notice that there are so many talented teachers, researchers and students who proved their worthiness in different areas just because of education and freedom.

In our University, girls are given equality as boys. We have no restrictions for them to take part in any activity. We are focusing in on their education and extra-curricular activities.

AS: Why going to school and completing her education is so difficult for a girl in India?
CB: Because of the mentality of illiterate people and due to this girls are not safe today. But if we stand with them, they can get good education. We should take a stand for them.

AS: I have seen GLA University's advertisement on bus stops with the tagline *Save Girl Child...* so how GLA is contributing in saving our girl child?

CB: We are spreading awareness through various mediums among the people, who think that girl child is a burden over them. We hope that very soon results will be in our favor.

AS: As a woman, what challenges you had faced in your life to be successful?

CB: When I completed my education, my father told me to get married. Initially I thought that it might affect my career but I was so blessed as my father and husband both supported me a lot to build my career.

AS: Well! Thank you so much Madam for your precious time. It was really a wonderful experience for me to talk with you on such a vivid topic.

CB: My pleasure Aman. May God bless you every success in life.

Prof. Charul Bhatnagar ended the session by saying a proverb as "*Don't Be Cold, Girls Are Worth & More Than Gold*".

Faculty Achievements

Dr. Anant Ram

Dr. Anant Ram, Associate Professor; has been awarded with Ph.D. (CSE) from GLA University, Mathura. The title of his research is "Density Based Geographic Routing Protocols in Vehicular Ad Hoc Networks" under supervision of Dr. Manas Kumar Mishra.

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Dr. Ashish Sharma

Dr. Ashish Sharma, Assistant Professor; has been awarded with Ph.D. (CSE) from GLA University, Mathura. The title of his research is "Approximation Clustering Algorithm For Facility Location Problem" under supervision of Prof. Anand Singh Jalal and Dr. Ashish Sharma, Department of Mathematics.

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Mr. Ankur Chaturvedi

Mr. Ankur Chaturvedi, Assistant Professor; successfully completed his M. Tech. (CSE) from GLA University, Mathura. The title of his thesis is "An Effect of Temporal Context Information On Trust Based Recommender System" under the guidance of Prof. Dilip Kumar Sharma. He has awarded his degree with Honors and secured highest CPI.

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Mr. Piyush Vashistha

Mr. Piyush Vashistha, Assistant Professor; successfully completed his M. Tech. (CSE) from GLA University, Mathura. The title of his thesis is "An Architecture To Identify Violence In

Video Surveillance System Using VIF And LBP" under the guidance of Prof. Charul Bhatnagar. He has awarded his degree with Honors.

*****

Ms. Anupam Yadav

Ms. Anupam Yadav, Assistant Professor; successfully completed her M. Tech. (CSE) from GLA University, Mathura. The title of her thesis is "Cost & Effort Estimation Using Function Point In Agile Software Development" under the guidance of Prof. Ashish Sharma.

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Mr. Juginder Pal Singh

Mr. Juginder Pal Singh, Assistant Professor; successfully completed his M. Tech. (CSE) from GLA University, Mathura. The title of his thesis is "Energy Efficient Video Surveillance in Wireless Sensor Network" under the guidance of Dr. Manas Kumar Mishra.

*****

Ms. Sanjana Basak

Ms. Sanjana Basak, Assistant Professor; successfully completed online course on "Fundamentals of Database Systems with a consolidated score of 72%, organized by NPTEL – IIT Kanpur in partnership with NASSCOM, during Jul – Sep 2017.

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Mr. Juginder Pal Singh

Mr. Himanshu Sharma

Mr. Juginder Pal Singh & Mr. Himanshu Sharma, Assistant Professor; has been adjudged as Best faculty Member from the department as per Student Feedback in 2016 – 17.
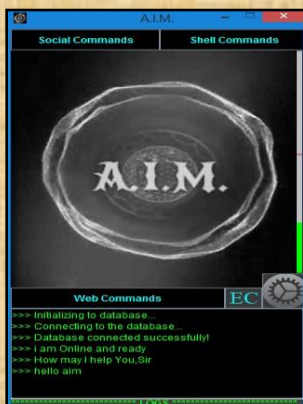
Student's Achievement

Lakshman Singh, MCA final year student has developed an Android App which is based on Artificial Intelligence, named as AIM (Artificial Intelligence Machine). This app provides a simple interface for control of the computer system via voice commands. It can be used just like personal assistance (PA) or to maintain the system files easily by voice commands and easy to interact with AIM.

Lakshman Singh

This android application works as AIM Client side which is responsible to passing the voice android app (AIM Client) to PC AIM. User must

have internet connection because connection will establish via PC AIM IP Address.

Snapshot of AIM App.

Announcements

Student of the Semester

Department of CEA, GLA University; Mathura is going to start an initiative to promote healthy competition among students; by declaring "Student of the Semester" from each course of the department (year wise).

For this, students can nominate themselves and the same will be scrutinized by respective class advisor, year coordinator, program coordinator & HoD – CEA on following parameters –

1. Any excellent project undertaken,
2. Participation and achievements in any online coding / programming / project challenge (e.g. GeeksforGeeks / CodeChef / HackerRank / LeetCode / HackerEarth etc.),
3. Certification in any online course (e.g. NPTEL / MOOC / Coursera etc.),
4. Representation of University at external level in technical / cultural / sports events,
5. New Innovations,
6. Research publications (especially MTech students),

7. Tremendous Placement achievement (applicable for pre final & final year students),
8. GATE / MAT or any other competitive examination with good rank,
9. Academic achievements,
10. Etiquettes etc.

Department will declare such students in the month of January & July every year on the basis of above set of parameters. These students will be awarded with some lucrative & knowledgeable prizes.

To nominate themselves, students can send their entries to their respective class advisors latest by 15th December and 15th May respectively for every semester. After the deadline, panel will not consider any entry. Students can collect their nomination form from their respective class advisor/year coordinator/ program coordinator.

Coding Excellence Award

Department of CEA, GLA University, Mathura is glad to announce that to promote coding expertise and having an intension to develop healthy ecosystem for coding, thinking & logical ability among students, we are starting an initiative to give excellence awards for students who participate and got good rank in any online coding / programming (e.g. GeeksforGeeks / CodeChef / HackerRank / LeetCode / HackerEarth etc.)

These awards will be in following categories:
1. Best 3 rank holders in BTech (CSE) Yr. wise,
2. Best 3 rank holders in BCA &;
3. Best 3 rank holders in MCA.

To take part in it, you have to submit your valid score / rank card to your respective Class Advisor / Year / Program Coordinator latest by 15th December'2017. Please note that after that no entries will be entertained. Winners will be declared in First week of January'2018.

Glorious M.Tech. Alumni

PROUD GLAian ...

BHAVANA KAUSHIK
M.Tech. (CS)
Batch - 2015
working in INFOSYS

PROUD GLAian ...

PRATEEK SINGH
M.Tech. (CS) - 2016
working in
Infosys

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Udit Saxena
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