

Department of CEA Presents...

Vol. 1, Issue 5, February 2018

ping

(A Bimonthly e-Newsletter)

Ping: A Bimonthly e – Newsletter



एक प्रेरणा स्वच्छ भारत की

ping



HoD's Message

Education is one of the key pillars for growth in economic and social human values. Quality education plays a key role for any organization. Improving the quality education is a continuous process, which deals with computer aided adaptive testing, collaboration, among various stakeholders like students, industry, parents, alumni etc.

There is a need to promote alternate education and ideas. In this regard, affordability of education is a serious factor. This can be addressed by various online platforms. Learn by self with practical makes education more relevant.

I am happy to see the active overall contribution made by the faculty in attending various conferences, publishing research articles in journals etc. Also, the students' project presentations at conferences, internships, quiz etc., gives better exposure to handle challenges.

Prof. Anand Singh Jalal

From the Chief Editor's Desk

It gives me great opportunity to present the fifth issue of "Ping". This newsletter is one of the ways in which we can disseminate information on the life of the Department. The past semester was full of various activities by the students and faculty in academic, co-curricular, extra-curricular as well as research & developments. We hope that our students & faculty members will keep this pace in the current semester as well.

As you read through the pages you will realize, that the Department had a particularly successful time of span. In a short span of two months, we were able to make an impact on the student community & were appreciated greatly by the faculty body. The events report is documented in this edition.

CEA takes this opportunity to thank all the students and faculty members of the department, who have helped us tremendously in organizing various activities; we request for your kind cooperation and support with our future endeavors, too.

Nikhil Govil

Technical Workshop Organized

Train The Teacher (T3) Workshops by IBM



Participants with IBM Professionals during Workshop

Department of CEA organized Train the Teacher (T3) workshop by IBM at the University campus. About 25 faculty members attended the workshop. The aim of this workshop was to train the computer science teachers about the usage of open source software. There were three parallel workshops on topics, "Applied Statistics and Analysis", "Introduction to Cloud Computing & Virtualization" and "Web Programming".

The attendees were briefed about the practical aspects of these technologies, their applications and modification. Workshop included the theoretical and practical studies carried out in board room as well as in computer lab.

Ken Thompson's Birthday Celebration

Kenneth Lane "Ken" Thompson (born February 4, 1943), commonly referred to as ken in hacker circles, is an American pioneer of computer science. Having worked at Bell Labs for most of his career, Thompson designed and implemented the original UNIX operating system. He also invented the B programming language, the direct predecessor to the C programming language, and was one of the creators and early developers of

the Plan 9 operating systems. Since 2006, Thompson has worked at Google, where he co-invented the Go programming language.



On his Birthday, department organized a full day workshop entitled, "Tech - Fiesta". This workshop was mainly for first year students of BCA; in which more than 125 students took part actively.

Machine Learning, Robotics, Virtual Reality, AI, IoT, Block Chain, Project loon, Kino-Mo were the topics discussed in the workshop. At the end of workshop, Quiz was held and the winners were Sagar Gahlot and Meenal Agarwal.

Industrial Visits

Industrial Visit to STPI, Noida



Students during STPI, Noida Visit

Approximately 50 MCA second year students visited Software Technology Parks of India

(STPI), Noida. Mr. Sanjay Kumar, Joint Director & Mr. Brij Kishor, Technical In-charge, STPI, Noida informed students that STPI is a society under Govt. of India whose motive is to promote Software Export.

Mr. Juginder Pal Singh & Mr. Ankur Chaturvedi, Assistant Professor were the Faculty coordinators for this multi-disciplinary industrial visit.

Industrial Visit to Amazon DC, Noida

Three MCA second year students, Kaushalesh Kumar Varshney, Shubhan Pratap Tomer and Sangam Kumar got chance for industrial visit to Amazon Development Center, Noida.



Student during Amazon DC, Noida Visit

During their visit, students interacted with Mr. Prakash Gupta, Director – Amazon Development Center, Noida & discussed about the project and current Market Scenarios, Market growing on Data Science, Database Designing through Magento, MongoDB, Oracle etc.



Debate Competition



Students participating in Debate

Department of CEA, organized a Debate Completion for first year students of BTech CSE-Specialization in “Cloud Computing & Virtualization” in academic collaboration with IBM & BTech CSE-Specialization in “Data Analytics” in academic collaboration with IBM. The topic of debate was "Why Cloud and Why Data Analytics", in which approximately 70 students took part actively.

Quiz Competition



Department of CEA, organized a Quiz Competition for first & second year students of BTech CSE-Specialization in “Cloud Computing & Virtualization” in academic collaboration with IBM & BTech CSE-Specialization in “Data Analytics” in academic collaboration with IBM. In this quiz, approximately 150 students took part actively.

Faculty Achievements

Certified as Silver Partner Faculty By Infosys



Mr. Saurabh Singhal



Mr. Praveen Mittal



Mr. Jitesh Bhatia



Mr. Piyush Vashistha

Mr. Saurabh Singhal, Mr. Praveen Mittal, Mr. Jitesh Bhatia & Mr. Piyush Vashistha, Assistant Professor, certified & recognized as Silver partner faculty under Inspire - The Campus Connect Faculty Partnership Model by Infosys Limited in December'2017.

Certified as Bronze Partner Faculty By Infosys



Mr. Nikhil Govil



Mr. Rahul Pradhan

Mr. Nikhil Govil & Mr. Rahul Pradhan, Assistant Professor, certified & recognized as Bronze partner faculty under Inspire - The

Campus Connect Faculty Partnership Model by Infosys Limited in December'2017.

Research Paper Publications

Publication in International Journal

1. R. K. Tripathi, S. C. Agrawal and A. S. Jalal, "Real-Time based Human-fall Detection from an Indoor Video Surveillance", International Journal of Applied Pattern Recognition, Inderscience, Vol. 5, No. 1, PP. 72-86, 2018.

2. S. Gautam and A. S. Jalal, "An Image Forgery Detection Approach Based on Camera's Intrinsic Noise Properties", International Journal of Computer Vision and Image Processing (IJCVIP) IGI-Global, Vol. 8, No. 1, pp. 92-101, 2018.

3. S. Rathor, A. S. Jalal and S. Chakraborty, "An Efficient Payload Distribution Method for High Capacity Image Steganography", International Journal of Computational Systems Engineering, Inderscience, [Accepted for Publication]

4. A. Chaturvedi, D. K. Sharma. "A measure of Temporal Contextual Information on Trust based Recommender System", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Vol 5, Issue 2, pp. 450-455.

5. H. Sharma and R. Agrawal, "Machine Learning Based Approaches for Natural Language Processing", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Vol 5, Issue 2, pp. 391-396.

6. R. Kumar and M. K. Mishra, "AODV with Reliable and Energy Efficient Route Maintenance Phase", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Vol 5, Issue 2 pp. 496-500.

7. V. Kumari and A. Tripathi, "Optimized Approach for parallel OMR Sheet Analysis", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Vol 5, Issue 2, February 2018, pp.255-260.

8. S. Pundhir, V. Kumari and Q. Rafiq "Indeed a Big Technology: The Kernel Methods", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Vol 5, Issue 2, February 2018, pp.305-311

9. M. Kumari and A. Kumar, "Improved Real Time Scheduling Algorithm for Mixed Task Set with constraint of Harvesting Energy", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Vol 5, Issue 2, February 2018, pp.349-355.

10. A. Kumar and M. Kumari, "A model based scheduling approach for selection of real time scheduling algorithm on basis of different parameters " International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)), Vol 5, Issue 2, February 2018, pp.269-275.

11. R. Pradhan, J. P. Singh and Vivek Sharma, "Search Engine Optimization", published In International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Vol 5, Issue 2, February 2018, pp.357-363.

12. N. Singh and C. Bhatnagar, "A novel text detection technique based on corner response", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Vol 5, Issue 2, February 2018, pp.520-525.

13. S. Anand and A.S. Jalal, "An Efficient Steganographic Approach for H.264/AVC Compressed Videos", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Vol 5, Issue 2, February 2018, pp. 344-348.

14. J. K. Bhatia and A.S. Jalal, "A Review on Image Forgery Detection Techniques on Passive attacks", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Vol 5, Issue 2, February 2018, pp. 337-343.

15. A. Gupta, "Virtual Machine Live Migration Procedures in Cloud Computing Environment", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Vol 5, Issue 2, February 2018, pp. 337-343.

16. K. S. Kumar and M. Singh, "Real Time Attendance System based on Video Surveillance system", published In International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Vol 5, Issue 2, February 2018, pp. 427-431.

Publication in International Conference

1. A. Tripathi, "An Analytical and Comparative Review of Cohesion Metrics", In Proceedings of International Conference on Software Engineering and Information Management (ICSIM 2018) Casablanca, Morocco, January 4-6, 2018(Accepted for Publication)

2. R. Agrawal, A. S. Jalal and S. C. Agrawal, "Efficient Document Classification using Phrases Generated by Semi Supervised Hierarchical Latent Dirichlet Allocation", In Proceedings of International Conference on Advances in Computing Applications (ICACA-18) at NIT Uttarakhand, Srinagar (Garhwal), Feb 26-27, 2018 (Accepted for publication).



Student's Achievement



Prachi Mishra

Prachi Mishra, final year student of BTech (CSE) is selected in ATC (Air Traffic Controller) cadre in Indian Navy as Sub Lieutenant.

Invited as Guest Speaker in Workshop On Music Production & Technology



Udit Saxena as Guest Speaker in Workshop held at Galgotias University, Gr. Noida.

Udit Saxena (founder - Audio United Productions, Producer, Mix Engineer - a student of GLA University) was invited by NOTEVEDA, the official music club of Galgotias University, Gr. Noida on behalf of his music production startup Audio United Productions to deliver a workshop on Music Production & Technology. The workshop dealt with different terms and aspects of music, from basics to giving an overview of industry standard terms & techniques.

The major topics covered in the workshop were: Fundamentals of Western & Indian Music, Production, Arranging, Programming Elaborated, Requirement & Necessity of Stereo Imaged Files, Notes Sequence, Formation of Major & Minor Chords, Scales, Post Production Basics, Live Sound Engineering

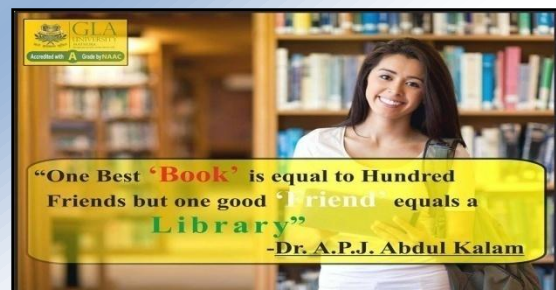
Alumni's Achievement



Yatan Singh awarded for Best Short Film

MCA Alumni Yatan Singh has won award for making & directing a Best Short Film on topic "Swachh Bharat".

His short film titled, "Ek Perna Swachh Bharat Ki", was shortlisted by National Film Corporation Limited, New Delhi. For this event, which was organized by Ministry of Information & Broadcasting Department, approximately 11 thousands film makers participated & among these Yatan Singh was awarded as Best 20 Short Film.



New Role & Responsibilities



Dr. Ashish Sharma

Dr. Ashish Sharma, Assistant Professor is appointed as Lab Coordinator. He will look after all the labs of department for various courses as MTech, BTech, MCA & BCA.

Social Responsibilities under Aashayein

Distribution Campaign by Aashayein Social Club



Team Aashayein during Distribution Campaign

Aashayein, the social wing of ABACUS Society of CEA Department had organized a "Distribution Campaign" on 4th February 2018. In this campaign, students of Aashayein club of GLA University, Mathura collected clothes and anything which people discard as they become no use to them but they are useful to others. Motive of this campaign was to reuse the things and help needy and poor people. The things were collected from all the residents of GLA University.

This social work with the coordination of two BTech (CSE) final year students named Oti Sailesh Kumar and Kavya Agrawal along with Club President, Prof. Anand Singh Jalal, Vice President Dr. Manoj Kumar & Member Mr. Juginder Pal Singh.

Announcements

Accredited with **A** Grade by NAAC

**ADMISSION
OPEN
2018**

M Tech
COMPUTER SCIENCE & ENGINEERING

Eligibility: Min. 60% marks in B.Tech. in relevant branch or 60% in MCA
Admission Process: On the basis of performance in GLAET (an online MCQ test) & preference will be given to high scorers of GATE

<p>RESEARCH AREAS:</p> <ul style="list-style-type: none"> • Image & Video Processing • Intelligent Systems • Computer Network • Big Data Analytics • Software Engineering • Computer Vision • Distributed Systems • Information Retrieval • Information Security 	<p>KEY FEATURES OF THE PROGRAMME</p> <ul style="list-style-type: none"> • Comprehensive and industry oriented curriculum for strong in depth domain knowledge. • State-of-the-art infrastructure and advanced research labs. • Blended learning • Hands on exposure by renowned National/ International academicians and leading corporate house. • Placement assistance by strong industry network.
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Call For Student of the Semester

Department of CEA, GLA University; Mathura has started 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 prizes.

To nominate themselves, students can send their entries to their respective class advisors latest by and 31st July. Students can collect their nomination form from their respective class advisor/year coordinator/ program coordinator.

Call For Programming 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 have started 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 rank holders in BTech (CSE) Yr. wise,
2. Best rank holders in BCA &;
3. Best rank holders in MCA.

To take part in it, students have to submit their valid score / rank card to their respective Class Advisor / Year / Program Coordinator latest by 31st July'2018. Winners will be declared in First week of August'2018.

New Courses Launched

GLA University, Mathura has collaboration with IBM last year. With this collaboration, department of CEA is going to offer two new B.Tech. programmes as

1. BTech. – Computer Science & Engineering with Specialization in Cyber Security and Forensics.
2. BTech. – Computer Science & Engineering with Specialization in Internet of Things.



ADMISSION OPEN 2018

B Tech in Computer Science & Engineering
Specialization in
"INTERNET OF THINGS"

In academic collaboration with
IBM

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Renu Singh
MCA - 2006
Mobile QA Lead
FreshDirect LLC,
New York, USA

“ That 3 years of Learning Experience with GLA, give me a chance to :

- Get my first Job
- Know how to stand, Understand the Rules/ Nomenclatures of the Market
- Get a Self Confidence. (which is Most important Part of my Life, actually to all).

Now I am in the USA and Serving from past 3 years to FreshDirect, NYC, it's a great Achievement that gets a help from all my Teachers whoever comes in my way to Nourish me.

Thanks, all to the GLA.
I will definitely recommend
GLA.”

Editorial Team

Contact Us

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Amarjeet Pachauri
BCA 3rd Year

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