

Ping: A Bimonthly e - Newsletter





HoD's Message



It gives me immense satisfaction that next issue of Ping is ready for the readers. Through this platform, I take the opportunity to share that our faculty members, students & technical staff have shown their tremendous efforts to sharpen their skills for ensuring overall development.

It is due to the persistent efforts made by faculty, staff and students for taking the department one step ahead. Success story of any organization is written only due to the collaborative and committed efforts made by its workforce.

Continuing with the tradition, this issue of Ping has thrown immense light on commendable contribution made by all members of CEA family.

I congratulate everyone for sincere inputs in the progress of department and do expect the same in times to come. I also congratulate the editorial team for bringing out present issue of newsletter.

Wish you good luck!

Prof. Anand Singh Jalal

From the Chief Editor's Desk



t is a moment of elation for us while we are presenting next issue of our department's e-Newsletter - Ping to our readers. Every next issue speaks volumes about commendable achievements of our CEA family as well as new landmarks set up by our department.

During this span of time, we organized one Student Conference along with some workshops for faculty members, researchers, students and technical staff on various emerging trends in computer science domain. We are very happy that one more faculty member of our department has completed his PhD. Many other faculty members and students also have shown their excellence on vivacious platforms.

We also organized good number of events on special days as International Women Day, Kalpana Chawla Birthday, Albert Einstein Birthday etc. to engage our students in cultural and technical activities to ensure their overall development.

Through further issues of Ping, we do expect that we will keep on updating our readers in the similar fashion. Your constructive suggestions are always solicited.

Nikhil Govil



Technical Workshop Organized

IEEE Workshop on Advances in Information Processing



Prof. Dilip Kumar Sharma giving Memento to Prof. M. M. Sufyan Beg

Department of CEA in association with CSI Branch/ Mathura Chapter, IEEE U.P. Section and IEEE Computer Society, organized two days IEEE National Workshop on Advances in Information Processing. The workshop was inaugurated by Prof. Durg Singh Chauhan (Vice Chancellor, GLA University Mathura), Prof. A.M. Agrawal (Pro-Vice Chancellor, GLA University Mathura), Prof. A. S. Jalal (Head CEA, GLA University Mathura), Prof. Ashish Kumar Sharma, Associate Dean Academics, GLA University Mathura), heads of various departments & faculties. Prof. R. K. Agrawal, Dean, School of computer systems and sciences, was the chief guest of the workshop.



Prof. M. M. Sufyan Beg during his talk

Prof. R.K. Agrawal talked about the advanced topics of neural networks along with practical

session on MATLAB. Prof. M. M. Sufyan Beg, Principal, Z. H. College of Engg. & Tech, Aligarh Muslim University, Aligarh delivered his talked on Research Methods in Information Processing. Dr. Karan Verma, Assistant Professor, NIT Delhi talked about Bitcoin and Blockchain technology. The valedictory session was chaired by Dr. Satish Kumar Singh, Assistant Professor, IIIT Allahabad.

Workshop on Linux System Administration



Glimpse of Workshop

Department of CEA organized two days Workshop on Linux System Administration. This multi-purpose workshop was organized specially for Lab Assistants & Technical Support Staff of the department.

Kalpana Chawla's Birthday Celebration

Kalpana Chawla (March 17, 1962 – February 1, 2003) was an American astronaut and the first woman of Indian origin in space. She flew on Space Shuttle Columbia in 1997 as a mission specialist and primary robotic arm operator.



Participants in Workshop



On her Birthday, department organized a full day workshop on Web Technology. This workshop was mainly for first year students of BCA, which was conducted by second year students of BCA.

HTML, image attachment, CSS, CSS code writing, CSS alignment, PHP, installing and working of XAMPP, Connection establishment, database connectivity etc. were the topics discussed in the workshop. At the end of workshop, Quiz was held and Pradum Kumar was declared as the winner of the Quiz.

Student Conference Organized

Department of CEA, Organized two days International Student Conference on Cloud, IoT & Future Technologies, Technically Sponsored by IEEE Uttar Pradesh Section, CSI-Region-1 and C# Corner.



Keynote Speakers of Student Conference

Prof. Anand Singh Jalal was General Chair; Prof. Dilip Kumar Sharma was the Conference Chair & Mr. Neeraj Varshney was the convener of this conference.

Sourabh Somani - Lead developer of C#, Maarten Balliuw - Co founder MyGet, Mads Torgersen, Lead Designer of C#, Joe Darko - Program Manager Evangelist, Naveen Sharma - Enterprise Architect, Stephen Simon - Microsoft Innovative Educator & Vivek Raj - Founder Kingster636 were the Eminent Speakers of the conference.

Seminar Organized

Seminar on Data Scientist Organized



Dr. Alex Goh during his talk.

Department of CEA organized a Seminar on Data Scientist: The Most Lucrative Job of the 21st Century? The key note speaker of this seminar was Dr. Alex Goh (Kwang Leng Goh), Data Scientist, Curtain University, Australia.

Seminar on Neural Networks Organized



Glimpse of Seminar



Department of CEA organized a Seminar on Approximate Greatest Decent in Neural Networks. The key note speaker of this seminar was Dr. Lim King Hann, Sr. Lecturer, Dept. of Electrical & Computer Science, Curtain University, Malaysia.

International Women's Day Celebration

On the occasion of International Women's Day, CodeBusters Club, Department of CEA in association with CSI GLAU Student Branch/Mathura Chapter, IEEE U.P. Section and IEEE Computer Society/IAS GLAU Student Branch Chapter, IEEE UPAG U.P. Section, organized a coding & debate competitions for girls. The function began in the presence of Pro-Vice Chancellor Prof. Anand Mohan Agrawal, Director-IQAC Prof. Charul Bhatnagar & Head-CEA Prof. Anand Singh Jalal, with a speech on topic "Saluting Her Contribution to the Society!!"



Glimpse of "She Code"

Prof. Dilip Kumar Sharma & Assistant Professor Aikta Arya was the faculty coordinator of the Coding Competition named "She Code". In this competition, participants were to solve 5 coding problems which were based on real life scenarios in the time of two hours. This competition was hosted on www.codechef.com. Divyanshu Jain & Vivek Gupta were student coordinator for this competition.

On this occasion, debate completion was also took place on various issues related to Women Empowerment.



Girls Participating in Debate Competition

Alumni Interaction



Alumni Nikhil Garg interacting with students

Department of CEA organized an alumni interaction for the students of BTech CSE-Specialization in "Cloud Computing & Virtualization" & in "Data Analytics" both in academic collaboration with IBM with Mr. Nikhil Garg of 2014 batch.

Mr. Nikhil Garg initially worked with IBM for two years & now he is in Accenture for last two years. Mr. Nikhil interacted with students & shares his industry experience along with smart tricks for clearing interview and other rounds during campus placement.

Subject Matter Expert Sessions

Department of CEA organized Subject Matter Expert Sessions for the students of BTech CSE-Specialization in "Cloud Computing & Virtualization" & in "Data Analytics" both in academic collaboration with IBM.





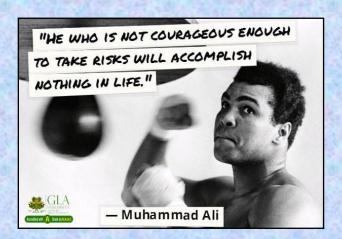
Prof. Jaideep Sen during his interaction with students

In first session, Prof. Jaideep Sen, IBM, interacted with students of Data Analytics & share his views and experience on "Introduction to Business Analytics" & "Applied Statistics and Analysis" along with their practical implementation through various tools.



Mr. Shivanand Poojar during his interaction with students

In second session, Mr. Shivanand Poojar, IBM, interacted with students of Cloud Computing & Virtualization & share his views and experience on "Introduction to Cloud and Virtualization" along with its practical implementation through various tools.



Faculty Achievements

Ph.D. Awarded



Dr. Ghanshyam Raghuwanshi

Dr. Ghanshyam Raghuwanshi, Assistant Professor; has been awarded with Ph.D. (CSE) from Jaypee University of Engineering and Technology (JUET), Guna, M.P. The title of his research is "Efficient Content Based Image Retrieval of Texture and Natural Images" under supervision of Prof. Vipin Tyagi.

Best Paper Award



Mr. Nikhil Govil

Mr. Nikhil Govil, Assistant Professor, Awarded for "Best Paper Award" in 2nd International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST'18), held at National Institute of Technology, Tiruchirappalli, Tamil Nadu, India from April 27-28, 2018.



Research Paper Publications

Publication in SCI Journal

- 1. J. Kulshrestha and M. K. Mishra. "Energy balanced data gathering approaches in wireless sensor networks using mixed-hop communication." Computing (2018), Springer, pp 1-26, 2018 [SCI Impact Factor: 1.589]
- 2. D Sharma and D Ganeshiya., "Hierarchical Rank: Enhancing Rank Using HTML Tag Level Similarity", In The International Arab Journal of Information Technology. Vol 15, No. 3, pp. 485-492, May 2018. [SCI Impact Factor 0.724]

Publication in Scopus Journal

- 1. A. Samuel, D. K. Sharma, "An Automated Tweet Pre-Processing Method for Tweet Summarization Tasks", In International Journal of Information System Modeling and Design (IJISMD), (Accepted for Publication), ISSN: 1947-8186, 2018.
- 2. M. Khanna, N. Chauhan, D.K. Sharma & Abhishek Toofani, "A Novel Approach for Regression Testing of Web Applications", Int. Journal of Intelligent Systems & Applications (IJISA), Vol.10, No.2, pp.55-71, 2018.

Publication in International Conference

- 1. A. K. Uttam and S. Behera," ToA Localization using Two BTSs and three BTSs in GSM Network", in Proceedings International Conference on Emerging Trends in Communication, Computing and Electronics (IC3E-2018) at J K institute, University of Allahabad, U.P. India 13-15 April 2018.
- 2. Nikhil Govil and Ashish Sharma, "Genetically Engineered Software Testing Through Mutants"

- In Proceedings of 2nd International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST'18), at NIT, Tiruchirappalli, Tamil Nadu, India, ISBN: 978-81-908388-6-3, Vol. 1, pp. 43-48 from April 27-28, 2018.
- 3. N. Tyagi, M. K. Mishra and A. Ram, "An Approach to Identify Blackhole Attack on AODV-based Mobile Ad Hoc Networks", In Proceedings of 2nd International Conference on Frontiers in Engineering, Applied Science (FEAST-18) at NIT Tiruchirappalli, April 27-28, 2018.
- 4. H. Singh and Y. Gupta, "Making Hindi Lexical Ontology useful to calculate Semantic Similarity between pairs of Hindi Words", In Proceedings of 2nd International Conference on Frontiers in Engineering, Applied Science (FEAST-18) at NIT Tiruchirappalli, April 27-28, 2018.
- 5. S. Sharma and N. Mohan, "A fault tolerant secure data distribution technique for cloud storage", In Proceedings of 2nd International Conference on Frontiers in Engineering, Applied Science (FEAST-18) at NIT Tiruchirappalli, April 27-28, 2018.
- 6. S. Agrawal and P. Verma, "Rotation-invariant texture feature extraction for palm print recognition", In Proceedings of 2nd International Conference on Frontiers in Engineering, Applied Science (FEAST-18) at NIT Tiruchirappalli, April 27-28, 2018.
- 7. U. Sharma, "Autonomic Computing: Threats And Security Issues", In the proceedings of International Conference on Frontiers in Engineering, Applied Sciences (FEAST 2018) at NIT, Tiruchirappalli, pp 89-95, April 27-28 2018.
- 8. N. Varshney, P. Gupta and J.P. Singh, "Efficient and secure authentication in VANET using digital certification and cluster



- identification", In Proceedings of 2nd International Conference on Frontiers in Engineering, Applied Science (FEAST-18) at NIT Tiruchirappalli, April 27-28, 2018.
- 9. A. Tiwari & A. Sharma, "Estimation of Software Reliability Using Goel Okumoto Model", In Proceedings of 2nd International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST'18), NIT, Tiruchirappalli, Tamil Nadu, India, April 27-28, 2018.
- 10. M. Gupta, A. Chaturvedi, "A measure of VADER: An advanced Machine Learning algorithm", In Proceedings of International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST 2018) NIT Tiruchirappalli, Tamil Nadu, India, April 27-28, 2018.
- 11. R. Agrawal and S. Srivastava,"An approach for fault reconfiguration in QoS based Service oriented architecture", In Proceedings of the 3rd International Conference on Internet of Things and Connected Technologies (ICIOTCT2018) at MNIT Jaipur, March 26-27, 2018.
- 12. V. Kumar, A. Ashthana, S. Kumar and S. Kumar, "Compendious and optimized succinct data structure for Big data store", In Proceedings of third International Conference on Internet of Things and Connected Technologies (ICIOTCT2018) at MNIT Jaipur, March 26-27, 2018.
- 13. V. Kumar, A. Chaturvedi and A.K.Rai, "A Framework using Multiple features to detect Multi-View Human Activity", In Proceedings of third International Conference on Internet of Things and Connected Technologies (ICIOTCT2018) at MNIT Jaipur, March 26-27, 2018.
- 14. R. Manke, A. S. Jalal, "A Method for Salient Region Detection using Prior Information", In Proceedings of 3rd International Conference on

- Internet of Things and Connected Technologies (ICIOTCT2018) at MNIT Jaipur, March 26-27, 2018.
- 15. J. P. Singh, M. K. Mishra and A. Khan," Energy Efficient Video Surveillance in Wireless Sensor Networks Under Grid Coverage Over Barrier Coverage", In Proceedings of 3rd International Conference on Internet of Things and Connected Technologies (ICIOCT2018) at MNIT Jaipur, March 26-27, 2018.
- 16. R. Kumar, M. K. Mishra, "Improved the Network Lifetime through Energy Balancing in Depth Based Routing Protocol for Underwater Sensor Network", In Proceedings of third International Conference on Internet of Things and Connected Technologies(ICIOTCT2018) at MNIT Jaipur, March 26-27, 2018.
- 17. A. Yadav, A. Sharma," Function Point Based Estimation of Effort and Cost in Agile Software Development", In Proceedings of third International Conference on Internet of Things and Connected Technologies (ICIOTCT2018) at MNIT Jaipur, March 26-27, 2018.
- 18. S. Singhal and D. Mangal, "Beyond 4G Networks: A Theoretical Framework", In Proceedings of third International Conference on Internet of Things and Connected Technologies (ICIOTCT2018) at MNIT Jaipur, March 26-27, 2018.
- 19. P. Mittal, "Trust and Reputation-based model to prevent Denial of Service attacks in Mobile **Proceedings** International Agent", In of conference Towards Extensible on and Adaptable Methods Computing, (TEAMC2018) at NSIT New Delhi, March 26-28, 2018.
- 20. D. P. Yadav, G. Pant, D. Garlapati and A. S. Jalal, "An Approach for Algae Identification and Classification using Support Vector Machines", In Proceedings of International conference on Towards Extensible and Adaptable Methods in



Computing (TEAMC 2018), at NSIT New Delhi, 26-28, 2018

21. V. Sharma, S. Agarwal and P. K.Verma, "Auto Adjustive Differential Evolution Algorithm", In Proceedings of International Conference Towards Extensible and Adaptable Methods in Computing ICT TEAMC- 2018 at NSIT New Delhi, March 26-27, 2018.

22. A. Mangal, R. Tripathi, "Salient Object Detection Using Local Contrast and Edge Color Dissimilarity", In Proceedings of International Conference "Towards Extensible and Adaptable Methods in Computing ICT TEAMC- 2018" at NSIT New Delhi, March 26-27, 2018.

Workshop Attended







Mr. Pragyesh Kumar

Mr. Nikhil Govil & Mr. Pragyesh Kumar, Assistant Professor; participated in Faculty Enablement Program on "User Interface Technologies" conducted at Infosys Limited, Chandigarh Development Centre from 5th - 9th March 2018 and both has been awarded with highest A+ grade.



Mr. Rohit Agrawal



Mr. Rajesh Kr. Tripathi

Mr. Rohit Agrawal & Mr. Rajesh Kumar Tripathi, Assistant Professor; participated in 5 Days Course On Advanced Pattern Recognition Techniques for Biometrics Under the aegis of MHRD - Global Initiative of Academic Networks (GIAN) held at IIT, Indore from March 5 - 9, 2018.

Student's Achievement



Shreya Bansal receiving award in Chess Tournament

Shreya Bansal, student of BTech (CSE) final year, awarded as Best Girl of The Tournament in 5th Shanti Swaroop Gautam Memorial Classical Open Chess Tournament. She got highest 4.5 points in the competition.

Research Paper Presented & Published



Mohit Gupta

Mohit Gupta and Ankur Chaturvedi, "A measure of Vader: An Advanced Machine Learning Algorithm" In Proceedings of 2nd International Conference – FEAST'18, at NIT, Trichy, Tamil Nadu, India, ISBN: 978-81-908388-6-3, Vol. 1, pp. 143-148 from April 27-28, 2018.



IIT - GATE'18 Qualifiers



Aishwarya Gupta MTech (CSE) Rank: 12782



Astha Sharma BTech (CSE) Rank: 1002



Prakhar Gupta BTech (CSE) Rank: 5225



Shruti Goswami BTech (CSE) Rank: 5615



Akshay Bansal BTech (CSE) Rank: 2410



Ayush Bansal BTech (CSE) Rank: 2509



Prabhat Sharma BTech (CSE) Rank: 6167



Sanjana Soni BTech (CSE) Rank: 7199



Vanshaj Bhatia BTech (CSE) Rank: 2786



Sunny Arora BTech (CSE) Rank: 3866



Siddhartha Varshney BTech (CSE) Rank: 7414



Rajat Saxena BTech (CSE) Rank: 10374



Purvi Singhal BTech (CSE) Rank: 4800



Aman Kushwah BTech (CSE) Rank: 4900



Ravindra Pratap BTech (CSE) Rank: 10710



Rahul Bansal BTech (CSE) Rank: 11026



various



Lovely Gangwar BTech (CSE) Rank: 14969



BTech (CSE)



Rank: 15462



Rishabh Jain BTech (CSE)



Shubham Kumar BTech (CSE)



Nikhil Sehgal BTech (CSE)



Vikas Upadhyay BTech (CSE)

Winners of "Student of the Semester" & "Programming Excellence Award"

The winners of "Students of the Semester" are:

Tarun Kr. Garg BTech II Yr. Vishal Kr. Gupta BTech III Yr. Priyanshu Sharma BTech IV Yr.

The winners of "Programming Excellence

Award" are:

academic

(Odd Semester).

management

Departments/Institutes at University level.

Award Distribution on Albert Einstein's Birthday

On 14 March, birthday of great scientist, Albert Einstein, department of CEA distributed awards

for "Student of The Semester" & "Programming

Excellence Award" for session 2017 - 2018

of

the

Ankit Agrawal BTech II Yr. Shivang Agrawal BTech III Yr. Harhit Agrawal BTech IV Yr.

Farewell Functions Organized

Pre final year students of MTech, BTech & BCA gave grand farewell to their seniors. The juniors extended their hearty congratulations and wish them a great future ahead. A number of pre final students presented many attractive vear programmes.

New Role & Responsibilities



Prof. Ashish Sharma

Dr. Ashish Sharma, Professor; appointed as Associate Dean-Academics of GLA University, Mathura. He will share his experience, wisdom & knowledge in providing the administrative and





Glimpse of Farewell Function

The individual functions began by lightening lamps and garlanding the portraits of Maa Saraswati and source of inspiration Late Shri Ganeshi Lal Agrawal Ji by Vice Chancellor Prof. Durg Singh Chauhan, Prof. Anand Singh Jalal HoD-CEA, Prof. Ashish Sharma, Program Coordinators Prof. Dilip Kumar Sharma, Dr. Anand Ram, Mr. Shashi Shekhar & Mr. Narendra Mohan Sharma.

Placement Record

S. No.	Name of Company	Student Selected
1	Tata Consultancy Services	74
2	Capgemini Consulting India (P) Ltd., Pune	62
3	Infosys Pvt Ltd,Banglore	55
4	Wipro Limited, Bangalore	38
5	Torry Harris Business Solutions, Bangalore	15
6	Xenture India Pvt Ltd. Mumbai	10
7	VVDN,Gurgaon	8
8	AGS Transact Technologies Ltd., Mumbai	6
9	NIIT Technologies	6
10	Fiserv India Ltd., Noida	5
11	Eastern Software Solutions,Banglore	5
12	Astrea IT Services Noida	4
13	Intellisoft Services Pvt. Ltd., Noida	4
14	Real Time Data Services Ltd.	4
15	Mindtree Ltd., Bangalore	3
16	InnovationM Mobile Technologies, Noida	3
17	Kips Learning Solutions Pvt. Ltd., Noida	3
18	Contata Solutions, Noida	2
19	Daffodil Software, Gurgaon	2
20	BYJU's,Mumbai	2
21	FIS Global Business Solutions India Pvt Ltd. Gurgaon	2
22	MS Technology	2
23	NTT DATA Services, Bangalore	2
24	Alight Solutions(Aon Hewitt), Gurugram	2
25	Audax Labs (opc) Private Limited, Noida	2
26	Fibcom India Ltd.Noida	2
27	Jair Network & Services Pvt. Ltd.	2
28	Benchmark Internet Group, Gurgaon	2
29	Libsys Ltd., Gurgaon	1
30	SAP Labs Ltd, Bangalore.	1
31	IBM India, Bangalore	1
32	Hitachi Consulting Corporation, Hyderabad	1

Source: Mr. Praveen Mittal, T&P Advisor – CEA. * Till April 24, 2018

Announcements



Call For Student of the Semester

Department of CEA, GLA University; Mathura 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 respective Class Advisor / Year / Program Coordinator latest by 31st July'2018. Winners will be declared in First week of August'2018.

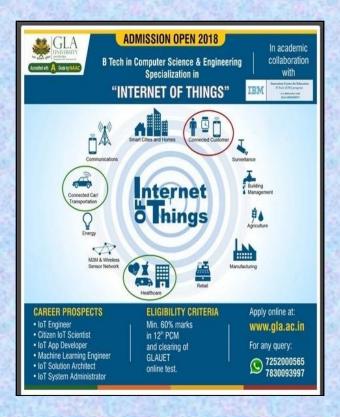
New Courses Launched

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









ALUMNI SPEAK...

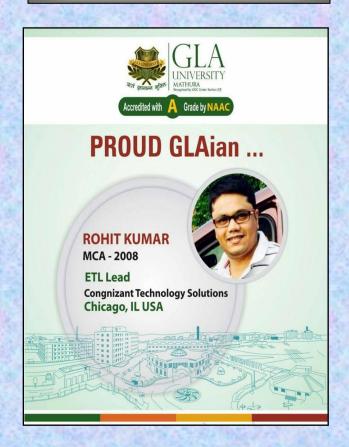
It has been said that "Success lies in your hands" but in my view you can't get success until you are in the right hands.GLA University has provided me a lot of exposure in academics and industry and made me feel more confident.GLA's dedicated faculty members and creative teaching techniques encourage the students to think out of the box.

The university not only helps the students to excel in the academic field but also teaches them to appreciate different cultures of the country.

Shivangi Varshney (B.Tech CS - 2015) Analyst, HCL



Alumni Section

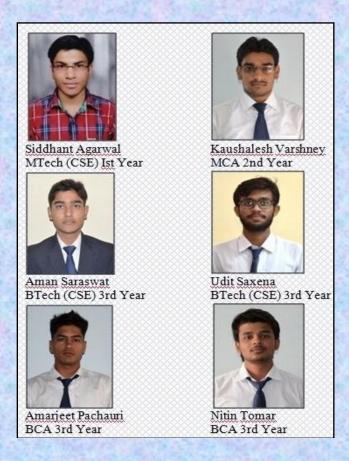








Editorial Team





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