



ABES
Engineering College
College Code 032

Estd.2000

INSPERIA
A Bi-annual Newsletter

Department of Computer Science & Engineering



JULY 2021 - DEC. 2021
Volume 1, Issue 1

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Message from Director's Desk



"Our every action is focused on creating an ambiance suitable for fostering quality education".

Engineering and professional education are among the key enablers of growth for transforming the national as well as the global economy. As we continue to strive for academic excellence in engineering and management education, through innovative techniques, ABES Engineering College is being preferred as the destination for students from across the country.

Equipped with many '**Centers of Excellence**', the college encourages its students to participate in a creative exploration of knowledge involving hands-on activities, which provide 'learning by doing', an environment far different from exam-centric rote learning. We are making our best efforts to keep in pace with fast-emerging technologies so that we are in a position to prepare our students for the industry as well as for entrepreneurship. Accordingly, the entire academic processes and echo system are being aligned with the outcome-based education (OBE) system which has become the hallmark of the teaching-learning platform in ABESEC.

Each of our action is meticulously planned and is focused on creating an ambiance suitable for fostering quality education along with research & development activities. The testimony to this is the quality certification of the college by NAAC, NBA, and ranking by NIRF.

We are looking forward to developing in each of our faculty, staff, and student, the ability and passion to work wisely, creatively and, effectively for the betterment of mankind.

Prof. (Dr.) Sanjay Kr. Singh

Message from HOD's Desk

"Today's cutting-edge technology becomes a legacy solution in a couple of years in the current technological environment. The only way out conundrum is a persistent endeavour to upgrade one skill set and domain expertise. In this passion for achieving excellence, the CSE department is determined to empower students to become invaluable assets for any organization."



A warm and affectionate welcome from Computer Science & Engineering Department!!!

Established in the year 2000, CSE Department has been growing in all dimensions. The department has excellent and diverse faculty with research and education expertise in the traditional and emerging computer science and engineering fields. Taking academics on priority, the blended learning environment is established through which students are engaged in a continuous learning environment.

Examination and assessments are the parameters through which the learning can be tested, and it has been on top among all the affiliated institutions of Dr. APJ AKTU. Students are offered various training programs along with academics that enable them to be industry-ready. Students are given the environment to excel in their competitive Coding skills through various societies and competitions. Students are active learners of various coding platforms like Code chef, Code forces, Leet Code, interview bit, Geeks for Geeks, etc. Huge numbers of students do take part in reputed Coding competitions across the globe such ACM ICPC, Google Code Jam, Google Kick Start, Hack with Infy, TCS Codevita, etc. Through various extension activities like blood donation camp, light the literacy, help us to help child, Unnat Bharat, etc., students of the department are given a chance to learn their responsibility towards the society and utilize technical education in day-to-day life. With this, I wish our students to be valuable resources for any association.

Prof.(Dr.) Divya Mishra

Message from Editorial Team



**Ms. Aditi
Arora**



**Ms. Shweta
Roy**

The editorial team is glad to release the first issue of "Insperia", newsletter of the department of Computer Science & Engineering. Communication plays a vital role in department's development. This newsletter will serve to reinforce and allow increased awareness, improved interaction and integration among all of us. "Insperia" will be a medium to provide proper acknowledgement and respect to all those who work behind the scenes, overtime round the clock planning things and acquiring results. The newsletter is intended to be published twice a year. This inaugural issue is a brief account of all the events held from Aug. 2021 till Jan 2022. The editorial team accepts suggestions and comments to improve the quality of newsletter. We would like to extend our sincere thanks to Prof (Dr.) Divya Mishra, Head, Department of Computer Science & Engineering for her constant support and guidance that she has rendered in making this newsletter a reality. We extend my thanks to the management and faculty of the department for their kind and continued support in the progress of the department. This maiden issue of newsletter should inspire all of us for a new beginning. Stay tuned to keep in touch with events conducted in the Department, Industry news and other interesting trivia.

Assistant Professor, CSE

VISION

The Department of Computer Science & Engineering will strive to become an excellent center for research and innovation in various knowledge domains within computer science and between computer science and other disciplines with focus on empowering human potential to deliver service to science and society.

MISSION

To nurture an excellent learning environment and creating opportunities for an individual to emerge as a technocrat who will be able to analyze complex engineering problems in society and provide innovative and fair solutions applying the knowledge of contemporary technologies and tools for the ease of its social acceptance at large.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

PEO 1: To impart strong foundation in basic sciences, mathematics and engineering fundamentals, knowledge and capability.

PEO 2: To be able to comprehend, understand and analyze Computer Science and Engineering problems and relate them with real life.

PEO 3: To provide in depth knowledge to design and develop novel products and innovative solution for real life problems in Computer Science and Engineering field and related domains.

PEO 4: To inculcate a conviction to believe in self, impart professional and ethical attitude, nurture to be an effective team member, infuse leadership qualities, build proficiency in soft skills and the abilities to relate engineering with the social issues.

PEO 5: To impart exhaustive knowledge of Computer Science & Engineering to take up key assignments in industry, undertake and excel in higher studies and Research & Development in computer science, related engineering fields and management.

PROGRAM OUTCOMES (POS)

Engineering Graduates will be able to:

PO 1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first

principles of mathematics, natural sciences, and engineering sciences.

PO 3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO 5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO 7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO 8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOS)

PSO 1: The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexity.

PSO 2: The ability to understand the evolutionary changes in computing, apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success, real world problems and meet the challenges of the future.

PSO 3: The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, lifelong learning and a zest for higher studies and also to act as a good citizen by inculcating in them moral values & ethics.

WORKSHOPS AND GUEST LECTURES

1. Webinar on Search for Happiness

Date: 28/08/2021

Resource Person: Prof.(Dr.) Hariom Upadhyay

Objective:

- Difference between humans and animals
- What is actual happiness
- What are common things in humans and animals
- Understand the living and dead person
- Why we are poor/rich, beautiful/ugly, etc.
- Who decides our parents etc.
- Happiness index in the world 2021
- No time for spiritual activities – All are highly busy.

Participants: Faculty and Students

Coordinator: Mr. Rohit Rastogi & Ms. Aditi Arora (Faculty, Dept. of CSE)

2. Webinar on How Social Media Technically Affects News

Date: 28/08/2021

Resource Person: Sh. Ashok Kumar Singh (CEO-JDAAS Technology) and Mr. Santosh Paul (CTO-JDAAS Technology Pvt. Ltd.)

Objective: To understand how news content is collected across the globe and how news is influenced by social media.

Participants: Faculty and Students

Coordinator:- Mr. Rohit Rastogi & Ms. Aditi Arora (Faculty, Dept. of CSE)

3. CodeChef Chapter Event | | Step up to Code

Date: 29/11/2021

Resource Person: Mr. Sumeet Malik ,Founder of Pep Coding

Objective:

- Dsa and Cp aren't enough, you should also acquire skill of selling yourself and then get your hands on marketing too
- The two things you need to crack any coding interview or a dream job are consistency and consistency
- Dsa is must along with any domain that sounds interesting to you
- Promote peer learning
- Build connections to solve your queries and grow together

Participants: Faculty and Students

Coordinator :- Mr. Akhilesh Kumar Srivastav , (Faculty, Dept. of CSE)

4. One day Drone Workshop

Date: 27/11/2021

Resource Person: Vymanik Aerospace is a Drone manufacturing and Aerial Surveillance, Inspection and Mapping service provide company based at Ghaziabad, Uttar Pradesh

Objective:

- Introduction to Drones and UAVs
- Concepts of UAV Development and Engineering
- Aerodynamics of Drone
- Advanced Technologies used in UAVs
- Design, Fabricate and Test a Drone
- About stability and control of Drones
- Hands-on experience with in-flight electronics - Transmitter, Receiver, Servos, Brushless Motors, electronic Controller, etc.

Participants: Faculty and Students Coordinator:- **Dr. Mala Saraswat & Mr. Rohit Rastogi (Faculty, Dept. of CSE)**

5. Online Alumni Interaction :“Higher Studies and opportunities in abroad”

Date: 01/12/2021

Resource Person: Mr. Divyansh Goel , Former Data Science Consultant at PwC Alumni of B.Tech. (CSE) of Batch (2013-2017)

Objective:

- To let students know about higher studies and various opportunities abroad.

Participants: Faculty and Students Coordinator :- **Mr. Ravi Kumar (Faculty, Dept. of CSE)**

6. Webinar on Researgence: Online Research Repository

Date: 11/12/2021

Resource Person: Dr. Vipul Vashisht (CEO-Lagozon Technologies), A seasonal Speaker

Objective:

- Data analytics is the science of analyzing raw data to make conclusions about that information.
- A company can also use data analytics to make better business decisions
- He discussed that it help analyze customer trends and satisfaction, which can lead to new—and better—products and services

Participants: Faculty and Students Coordinator: **Mr. Rohit Rastogi, (Faculty, Dept. of CSE)**

7. Webinar on “Hints for publishing the paper in reputed journals: An editor perspective”

Date: 21/12/2021

Resource Person: Dr. K. Mathiyazhagan Research & Associate Professor Thiagarajar School of Management, Madurai, Tamilnadu, India

Objective:

- The webinar is designed to impart the participants with knowledge of Research, research methods, research process, and the use of research tools and techniques, writing and presentation skills to the young researchers.

Participants: Faculty and Students Coordinator: **Dr. Mala Saraswat, & Ms. Shalu Sharma, (Faculty, Dept. of CSE)**

FACULTY CORNER

FACULTY PUBLICATIONS

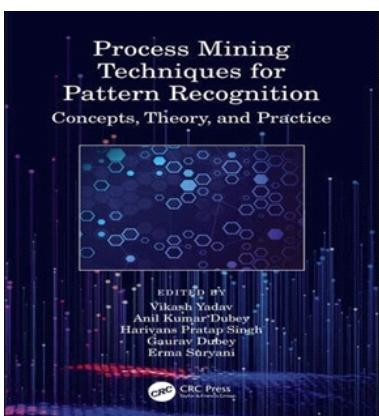
- Anand Kumar Srivastava, Kanak Goel, Aakash Gupta, Aditya Agarwal, Harsh Tyagi, Akhilesh Kumar Srivastava, (2022); "Prediction and diagnosis of diabetes using machine learning classifiers", International Journal of Forensic Software Engineering, Inderscience, Vol. 1(1), pp: 1-11, ISSN 1743-5102 10.1504/IJFSE.2021.10044205.
- Rijwan Khan , Akhilesh Kumar Srivastava, Mahima Gupta, Pallavi Kumari, Santosh Kumar, (2022); "Medicolite-Machine Learning-Based Patient Care Model", Computational Intelligence and Neuroscience , Hindawi, Vol. 1(), pp: 1-12, ISSN 1687-5273.
- Rohit Rastogi, T. Rajeshwari, Neeti Tandon, Bhavna Singh, Sheelu Sagar, Mukund Rastogi, Akshit Rajan Rastogi, Neha Gupta, Vrinda Kohli, Luv Dhamija, (2022); "Scientific Aspects of the Indian Vedic Sciences and Their Effect on Stress ", <https://www.igi-global.com/submit/manuscripts/?pids=19,38,41>, IGI Global, USA, Vol. 11(1), pp: 1-36, ISSN 2160-9551 10.4018/IJRQEH.
- Rohit Rastogi, T. Rajeshwari, Neeti Tandon, Bhavna Singh, Sheelu Sagar, Mukund Rastogi, Akshit Rajan Rastogi, Neha Gupta, Vrinda Kohli, Luv Dhamija, (2022); "Scientific Aspects of the Indian Vedic Sciences and Their Effect on Stress", International Journal of Reliable and Quality E-Healthcare (IJRQE) , IGI Global, USA, Vol. 11(1), pp: 1-24, ISSN 2160-9551 10.4018/IJRQE.
- Rohit Rastogi; D.K. Chaturvedi; Santosh Satya; Navneet Arora; Vikash Yadav; Vishwas Yadav; Pallavi Sharma; Sumit Chauhan, (2022); " Statistical analysis of EMG and GSR biofeedback efficacy on different modes for chronic TTH on various indicators", IJAIP (International Journal of Advanced Intelligence Paradigms), Inderscience, Vol. 21(1/2), pp: 109-128, ISSN 1755-0394 10.1504/IJAIP.2022.121033.
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- Mansi Gupta, Vimal Kumar, Vikash Yadav, Rajesh Kumar Singh, Mohd Sadim, (2021); "Proposed Framework for Dealing COVID-19 Pandemic Using Blockchain Technology", Journal of Scientific and Industrial Research, NISCAIR-CSIR, India, Vol. 80(3), pp: 270-275, ISSN 0975-1084.
- Rohit Rastogi, Mayank Gupta, Sheelu Sagar, Neeti Tandon, T. Rajeshwari, Bhavna Singh, Priyanshi Garg, Madhulika Singh, Komal Singh, Luv Dhamija, Mayank Sharma, (2021); "Computational Analysis of Air Quality and the Potential of Rich Indian Tradition for Healthcare 4.0", International Journal of Reliable and Quality E-Healthcare (IJRQE), IGI Global, Vol. 10(3), pp: 1-16, ISSN 2160-9551 10.4018/IJRQE.
- Akhilesh Kumar Srivastav, Azad Ali, Atif Khan, Danish, Himanshu Tripathi, (2021); "Intelligent Object detection with classification and localization using Deep Learning", Natural Volatiles & Essential Oils, Natural Volatiles & Essential Oils, Vol. 8(5), pp: 2174-2183, ISSN 2148-9637.
- Rajneesh Kumar Singh, S. Pratap Singh, Shailesh Tiwari, (2021); "Performance of Electromagnetic Nanonetwork under relaying for plant monitoring", Physical Communication, Elsevier, Vol. 47(), pp: 1-15, ISSN 1874-4907 <https://doi.org/10.1016/j.phycom.2021.101316>.
- Rohit Rastogi, Mamta Saxena, Devendra K. Chaturvedi, Mayank Gupta, Akshit Rajan Rastogi, Mukund Rastogi, Ankur Sharma, Sheelu Sagar, (2021); " Kirlian Experimental Analysis and IoT-Part1", International Journal of Reliable and Quality E-Healthcare (IJRQE), IGI Global, Vol. 10(2), pp: 29-43, ISSN 2160-9551 10.4018/IJRQE.
- Dinesh Kumar Yadav, Rati Shukla, Vikash Yadav, (2021); "An efficient collaborative recommender system for textbooks using silhouette index and K-means clustering technique", International Journal of Advanced Intelligence Paradigms, InderScience Publication, Vol. 19(2), pp: 233-242, ISSN 1755-0394 10.1504/IJAIP.2021.115251.
- Uzair Khan, Rajat Verma, Binod Kumar Singh, Vikash Yadav, (2021); "Application of Multi Criteria Decision Making tools in Selection of Concrete Mix", Journal of Scientific and Industrial Research, NISCAIR-CSIR, India, Vol. 80(4), pp: 304-309, ISSN 0975-1084.

- Rohit Rastogi, Sheelu Sagar, Neeti Tandon, Priyanshi Garg, Mukund Rastogi, (2021); "Treatment Case Studies and Emissions Analysis of Wood in Yagya: Integrating Spirituality and Healthcare With Science ", International Journal of Biomedical and Clinical Engineering (IJBCE), IGI Global, USA, Vol. 10(2), pp: 29- 43, ISSN 2161-1610 10.4018/IJBCE.2021070103.
- Shashank Gaurav Singh, Manika Bhardwaj, Vikash Yadav, (2021); "Analysis of stack overflow data using web portal", Advances and Applications in Mathematical Sciences, Mili Publications, Vol. 20(3), pp: 383- 389, ISSN 0974-6803

CERTIFICATES OF APPRECIATION AND AWARDS RECEIVED

	<p>Dr. Rohit Rastogi received certificate of appreciation for being the Scientific Committee at the International Conference on Advancements in Sustainable Technology (ICAST -2021), organized by Gandhi Institute For Technology (GIFT) in association with Institute of Engineering Research and Publication (IFERP) held on 17th & 18th December 2021.</p>
	<p>Ms. Ayushi Prakash received best paper award for the paper entitled Upgrading Search Link Priority by Content Analysis in the session technical session 1.2/ Advance Computing I in International Conference on Emerging Technologies in Data Mining and Information Security (IEMIS) 2022 organized by Institute of Engineering & Management held on 23rd to 25th December 2021.</p>
	<p>Dr. Anil Dubey Received a Certificate of Primary Evaluator in Toycathon 2021 organized by min. of Education, Min, of Women and child development.</p>

BOOK EDITED BY FACULTY MEMBERS WITH CRC PRESS



Title:

Process Mining Techniques for Pattern Recognition:
Concepts, Theory, and Practice

Editors: Dr. Vikash Yadav, Dr. Anil Kumar Dubey,
Mr. Harivans Pratap Singh, Dr. Gaurav Dubey, Dr. Erma Suryani

Publisher:

CRC Press, Taylor & Francis, USA

STUDENT CORNER

SUCCESS STORY

- Participation in ACM-ICPC, the international programming contest organized by ACM.
 - 2 student teams from CSE have qualified for the Online Coding Round.
 - These teams further got a chance to participate in the ICPC Regionals.
 - Mr. Akhilesh Kumar Srivastava, Asst. Professor, Dept. of CSE, was the mentor of these teams.
 - Details of the Teams are as follows:
- Team Gladiators:**
- Piyush Naithani, Akash Dhoundiyal, Parvez Ansari (students of B.Tech IT)
- Team Master_Killers:**
- Swapnil Gupta, Kusumlata Bhatt, Shaurya Rehan (students of B.Tech CSE)



- CSE students have demonstrated a very good performance at CISCO IDEATHON 2021 in Preliminary Quiz(Round 1). ABESEC is Ranked No. 1 nationally, in terms of the total number of selections for CISCO IDEATHON 2021: Round 1. Total 218 Students got shortlisted in round 1 from ABESEC, out of a total of 446 registered.
Total 189 Engineering Colleges/ Universities have representation in the shortlisted student list after the results were announced for round 1 of CISCO IDEATHON 2021
National Rank 1 of ABESEC in IDEATHON 2021 (As per the results of Preliminary Quiz)
- Dept. of CSE is pleased to inform the achievement of its distinguished student Mr. Karmeshwar Singh, B.Tech. CSE Final year.
Mr. Karmeshwar Singh had undergone an extensive training program under the edges of the Center of Excellence for Cyber Security & Networking since last 2 Years, during his learning journey with the center, he has undergone Training on CISCO Certified CyberOps Associate, CISCO Certified Network Associate (Module 1) & Certified Ethical Hacker. He has qualified for International Certifications Certified Ethical Hacker (CEH).

- The department of Computer Science and Engineering of ABES - EC is starting an E-Cell at the department level.
- The objective of the E-Cell is to:
- Inculcate the passion and spirit among students to pursue entrepreneurship.
- To spread the knowledge about entrepreneurship through guest lecturers etc.
- Motivate students to develop their own start-ups.

CSE E-CELL

E-CELL
The Entrepreneurship Cell-CSE, ABES-EC, Ghaziabad

WHY?

To inculcate the passion and spirit among students to pursue entrepreneurship.

To spread the knowledge about entrepreneurship through guest lectures etc.

To motivate students to develop their own start-ups.

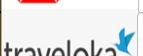
Convener:
Dr. Divya Mishra
HOD CSE

Faculty Coordinators:
Mr. Ravi Kumar
Mr. Sunil Kumar
Ms. Jasmine

ABESEC SPORTS ACHIEVEMENTS || AKTU ZONAL SPORTS 2021

S.N.	STUDENT'S NAME	ROLL_NUMBER	BRANCH	YEAR	EVENTS	MEDALS
1.	ATUL DAGAR	2000320120056	CSE	2nd	400 M	GOLD
2.	SHWETA CHAUHAN	2000320120172	CSE	2nd	400 M	GOLD
3.	KRITI JAIN	2000320100084	CSE	2nd	TABLE TENNIS	GOLD
4.	MUSKAN GUPTA	1803210099	CSE	4th	TABLE TENNIS	GOLD
5.	SHIVANI GOYAL	1803210140	CSE	4th	TABLE TENNIS	GOLD
6.	RITIK BANASAL	1900320100124	CSE	3rd	400 M	SILVER
7.	SHWETA CHAUHAN	2000320120172	CSE	2nd	LONG JUMP	SILVER
8.	ANSHIKA GARG	2000320130028	CSE	2nd	4X100 M RELAY	SILVER
9.	ATUL DAGAR	2000320120056	CSE	2nd	4X400 M RELAY	SILVER
10.	RITIK BANASAL	1900320100124	CSE	3rd	4X400 M RELAY	SILVER
11.	SIMRAN SIROHI	1803210149	CSE	4th	4X400 M RELAY	SILVER
12.	SHWETA CHAUHAN	2000320120172	CSE	2nd	4X400 M RELAY	SILVER

COMPARATIVE ANALYSIS OF PLACEMENTS

ABES Engineering College Ghaziabad													
Department of Computer Science and Engineering													
Comparative Analysis of Placement from 2017 to 2022													
S.no	Session	No.of Students	Eligible/ Registered Students	Placed Students	% Placement	Average Package	Median Placement	No.of Offers	No. of Offers of 5 LPA or more	No. of Offers of 7 LPA or more	Highest Package	Company Name	Company Logo
1	2017-18	251	233	187	80.26	3.41	3.15	294	19	5	12 LPA	HSBC	
2	2018-19	252	235	202	85.96	3.84	3.61	323	45	21	10 LPA	Traveloka	
3	2019-20	264	244	229	93.85	4.46	3.96	488	103	43	27.70 LPA	ADOBE	
4	2020-21	199	186	182	97.79	4.86	4.5	539	162	96	35 LPA	AMAZON	
5	2021-22	203	194	191	98.45	5.99	6.75	572	240	127	44 LPA	AMAZON	

Note: Placement of Batch 2018-22 is still in process || Average Package of Student Wise Placement: 8.41 LPA

★ Star Performers ★



successfully placed in



PACKAGE OF
₹44.14
LAKHS PER ANNUM
(including bonus)

2022

Placement
Achievements

26 ABESECians

VISHAL CHAUHAN Course-MCA
ANSHI AGGARWAL Branch-IT
DIVYAMAN TYAGI Branch-CSE
HARSHIT GUPTA Branch-CSE
RICA SRIVASTAVA Branch-CEIT
SAMEEKSHA AGARWAL Branch-CSE

SRAJIT SRIVASTAVA Branch-CSE
AMAN CHAUHAN Branch-IT
YASHI SRIVASTAVA Branch-ECE
SRISHI RASTOGI Branch-CSE
ISHITA CHAUDHARY Branch-CEIT

successfully placed in

PACKAGE OF
₹14.95
LAKHS PER ANNUM

2022

Placement Achievements

11 ABESECians

ARIESHA MITTAL Branch-IT
ISHA GOEL Branch-CSE
KHUSHI Branch-CSE
MUSKAN MAHESHWARI Branch-CSE

SOUMYA KANDARI Branch-ECE
YASHI SRIVASTAVA Branch-ECE

successfully placed in

PACKAGE OF
₹20.00
LAKHS PER ANNUM

2022

Placement Achievements

6 ABESECians

INDUSTRY CONNECTS

DETAILS of MOU's

➤ Memorandum of Understanding (MoU) has been signed between Department of Computer Science & Engineering ABES Engineering College, Ghaziabad, and Sorting Hat Technologies Pvt. Ltd., Domlur, Koramangala Inner Ring Road, Bangalore-560071, Karnataka (Referred as CodeChef) on 13-12-2021.

The MoU was signed and delivered on behalf of ABES Engineering College by Prof. (Dr.) Divya Mishra, HoD-CSE in the presence of Mr. Prabhat Singh, Assistant Professor, Department of Computer Science & Engineering with Mr. Tony Mathew, authorized signatory, CodeChef on a virtual platform with a note of happy gestures.

Objectives of MOU: The objectives of this Memorandum of Understanding are:

- To promote interaction between ABES Engineering College, Ghaziabad, and CodeChef in mutually beneficial areas.
- To provide a formal basis for initiating interaction between ABES Engineering College, Ghaziabad, and Sorting Hat Technologies, Karnataka through enhancing technical curriculum, upskilling of students, and providing expert consultancy services.
- Inviting the concerned Industry Experts for Guest lectures, imparting Training in areas of problem-solving and Competitive Coding and Data Analytics for CSE-Students' Internships and Placements and such mutual interaction areas.
- Appearances of ABESEC students in Code Chef's Short Term and Long-term Challenges and to provide the star rating benefits to students in their placements at many companies, who accept these ratings.



SANSKRIT-VEDIC WISDOM FROM INDIA:

Scientific Aspects in Modern Perspective

The Sanskrit language is much older than Pali. Sanskrit had been a language that was in vogue from the Vedic period. Sanskrit, which is considered an Indo-Aryan language, was the liturgical language of Jainism, Hinduism, and Buddhism. Pali is considered a Prakrit language or a middle Indo-Aryan language.

Sanskrit stands close to the root of English and most other European languages, classical and modern. Many English words are related to words and word forms that also exist in Sanskrit. Its study illuminates their grammar and etymology [1].

Sanskrit which literally means 'perfect or refined' is one of the old human languages. Sanskrit is also regarded the world over for its unique way of learning in which long text are memorized verbally called as Shruti, four Vedas, the Upanishads all have been preserved through this techniques [2].

While world over civilizations will be developed by libraries to store knowledge in India through the tradition of India, all the knowledge were stored in the human brain and pass from one generation to another. Since ages, this has been a mystery to the world, now through the modern scientific research; this mystery seems to be unraveled at last. 'A study on Sanskrit effect' which has been reported in the journal 'Scientific Americans' has claimed that memorizing Vedic Mantras enhances the brain regions associated with cognitive functions such as memory [3,4]. The following diagram Figure-1 describes the location of human vocal cord and the Sanskrit syllables related to them.

The term Sanskrit effect was coined by American neuro scientist scholar Dr. James Hartel who studied Sanskrit at Howard and Columbia University. He discovered that memorizing Vedic Mantra increases the size of brain regions associated with cognitive processing. This extensive research established that through this unique memorizing technique used in traditional Sanskrit learning, brain's capacity significantly increases [3].

As Sanskrit is used as communication language by Ishwara, also in Bhagavad Gita, Shlokas are directly spoken by almighty lord Krishna. They are not simple words, the sound emanating from the sound of Bhagawans' vowels gives peace of mind. The transcendental sound enlightens every single neuron cells of our brain. That's the power of Sanskrit. Chanting Sanskrit shlokas produces a vibrational energy full of positivity that strengthens our mind and soul (psycholinguistics).

During childhood, the prayer we all used to chant in our schools on daily basis and also the Gayatri Mantra is still remembered to us. Although the Sanskrit shlokas are not easy to memorize but according to researchers; when mind has to work, learning stuck better, the cognitive effort in learning shlokas yields a positive result.

According to researchers at NASA, Sanskrit is the finest language to be used and considered fit for complex fields like Artificial Intelligence where computers can be literally designed in such a way that they can think for themselves and not have to be completely dependent on human commands.

The Sanskrit alphabets and phonology are most scientific innovations based on human physiology. It is widely believed that Sanskrit Mantras, when recited in combination with the sound vibrations, have a specific effect on the mind and the psyche of the individual. The special Sanskrit letters are used for specific purposes and as Beej Mantra in different Vedic worships. Modern world is getting fascinated and its right time that we connect to our basics and get full benefits of legacy of our forefathers. 'Jayatu Sanskritam.'

Mr. Rohit Rastogi
(Sr. Asst. Professor-CSE)



ALUMNI SPEAKS



Nandita Gaur (2017-21)

"I express my sincere gratitude towards the department of Computer Science and Engineering for going the extra mile with us which helped us gain knowledge apart from conventional syllabus. I also appreciate CCPD for bringing good opportunities at our doorstep and constantly motivating us to do better."



Mayank Chaudhary (2017-21)

"I would like to express my sincere gratitude towards the department of Computer Science and Engineering for always encouraging me and helping me in the crucial placement time. Various extra curricular placement practices helped me a lot to achieve better and motivated me to always go an extra mile. Also appreciate CCPD for bringing good opportunities for us."



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