

#### IMS ENGINEERING COLLEGE, GHAZIABAD

NAAC Accredited & NBA Accredited Programme
Approved by AICTE, New Delhi & Affiliated to AKTU, Lucknow
Under the aegis of IMS Society, Ghaziabad

February 2023

Volume - 2, Issue - 2

# Confluence Newsletter









IMSEC appreciates and encourages the awareness for Hindi language. We through various "Theme Campaigns", have been successful in propagating the importance of it's usage across our vicinity on 10<sup>th</sup> of January.

Our "Theme Campaign" was "Corruption" as it erodes and engulfs all objectives of humane survival and vandalizes the true essence of education. IMSEC is vigilant and thus has contributed in executing the awareness campaigns to the society through Hindi Language so that corruption may not affect health, education, justice, democracy, prosperity and development.

## Highlights of the Month



Media Coverage of Patents published by B. Tech. First Year Students





IMS Engineering College signed Memorandum of Understanding (MoU) with Net Camp Solutions Pvt. Ltd. on 31st January 2023.



4

IMS Engineering College signed Memorandum of Understanding (MoU) with Edunet Foundation, Gurgaon on  $24^{th}$  January 2023.

#### **Expert Talks by Guest Speakers**



Department of Computer Science & Engineering organized an Expert Talk on "Network Security with Android App Development" by Mr. Santu Purkait, Director, Netcamp Solutions Pvt. Ltd. on 31.01.2023.





Department of Computer Science & Engineering organized an Expert Talk on "NBA Criterions and Preparation of SAR" by Dr. Kakoli Banerjee, Associate Professor, JSS Academy of Technical Education, Noida on 13.01.2023. The session was attended by around 80-100 faculty members from different departments.

Internal Quality Assurance Cell (IQAC) organized an Expert Talk on "Achieving Problem - Solution Fit & Product - Market Fit" by Ms. Sakshi Jha, an Artist & Sculptor who have her signature art studio with a vision to transcend with existing realm of home decor around the world.







Dr. S.S. Singh, Retd. Joint Controller of Patents and Designs, Patent Office, Delhi on 12.01.2023. All B. Tech First Year students attended the Talk.

#### Workshop Organized

Institution's Innovation Council and Department of MBA & MCA jointly organized a Workshop on "Entrepreneurship Skill, Attitude & Behavioral Development" on 09.01.2023. The Guest Speaker was Mr. Nitin Bhardwaj, Mindset and Leadership Coach, Certified Emotional Intelligence Coach, NLP Master Practitioners and Facilitators.







Department of Applied Science & Humanities & Institution's Innovation Council jointly organized an Expert Talk on "Process of Innovation Development & Technology Readiness Level (TRL)" by Dr. S.S. Singh, Retd. Joint Controller of Patents and Designs, Patent Office, Delhi on 11.01.2023. All B. Tech First Year students attended the Talk





Department of Biotechnology and Department of Computer Science jointly organized a five-days Faculty Development Programme on "Research Methodology and Publication Ethics" on 30.012023 -03.02.2023. Around 250 participants attended the FDP.



**◆S** Engineering



Academicians | PG Students Research Scholars

#### About FDP:









	Event	Time	
	Lation Session	10AM- 10:05	AM
30, 2023	Inauguration Session	10:05AM-10	10AM
	Welcome Address by Ms. Tanvi Gautam		-
-	Ms. Janvi Gastan	10:10AM-10	:15AM
	Introductory Speech by Dr. Sonali Mathur		
	Security Challenges in Int	ernet of 10:15AM -	12PM
n 30, 2023	Things (IoT) Implemental	on	
	Dr. Manju Khari		
	Secure IoT Network of S	cial 2PM-4PM	
	Dr. Akash Sinha		10.0
		ning 10AM-12	***
ian 31, 2023		id Miner	
	Dr. Ashex Sharing		
	Introduction to Machin	Learning 2PM-4PI	
	Dr. Akshay Deepak	10111.1	2PM
	Unblocking the Blocks		24 111
Feb 1, 2023	Unblocking the Blocks Blockchain Technolog	Concept	
	and Simulation using Block chain Virtual L	b	
	Dr. Rahul Johari		
	Late Technolo	y and 2PM-4	PM
	Application Framew	irk	
	Dr. S. N. Rajan		. onti
	tion		-12PM
Feb 2, 202	3 Test Automation Dr. Harivansh Prata	p Singh	4084
	Total Automation	21	4PM
	Dr. Anand Srivasta	ra.	
	- Learnes in		M-12PM
Feb 3, 20	Cinancial Frauus		
	Dr. Anurag Jain	200	M-3:30PM
	Practical Demons	ration on	
	Information Secu	ity:	
	Email Fishing Dr. Sumit Kumar		
		ion 3:	30PM-4PN
	Valedictory Sess		doch) 201
	Valediciory designation (4, Adhyatmik Nagar, Distt:	Shaziabad (Uttar Pra	desit) 20 t
NH-2	1, Adnyaciiiik ita 5	act us: W	ebsite: ww.imsec







About the Institute







Five Days Online Faculty Development Programme **Preeminent and Innovative** Technologies in Computer Science and Applications 2023 (PICSA 2023) 30<sup>th</sup> Jan 2023 - 3<sup>rd</sup> Feb 2023



Department of Computer Science and Engineering



Department of Computer Science and Engineering organized a five-days FDP on "Preeminent and Innovative Technologies 2023 (PICSA 2023)" on 30.01.2023 - 03.02.2023.

#### **Industrial Visits**

- Department of MCA organized an industrial visit to Momagic Technologies, Noida on 10.01.2023 for MCA First Year Students.
- Department of Applied Sciences & Humanities organized an industrial visit to Bharat Electronics

  Limited (BEL), Ghaziabad on 20.01.2023 for B.Tech First Year Students (ECE Branch). 41 students and 3 faculty members participated in the visit.
- Department of Applied Sciences & Humanities organized an industrial visit to Yakult Danone India Pvt. Ltd., Sonipat, Haryana on 24.01.2023 for B. Tech First Year Students (Biotechnology Branch). 43 students and 3 faculty members participated in the visit.
- Department of Electronics & Communication Engineering organized an industrial visit to Bharat Electronics Limited (BEL), Ghaziabad on 20.01.2013 for B. Tech Second Year students.

#### Value Added Programs

S.No.	Name of Value Added Course	Date	Students Enrolled	Organized by
1	Blockchain Technology: Concept,	12.12.2022-Februrary 2023	120 (MBA & MCA – 1 <sup>st</sup>	IT Dept.
	Analysis & Applications (32 hours)		Year)	
2	Urbanity Soft-Skill Training	Every Working Saturday	MBA – 1 <sup>st</sup> & 2 <sup>nd</sup> Year	MBA Dept.

#### **Departmental Activities**



Department of MBA organized a Lecture on "Design Thinking Process" by Dr. Nitin Mohan, Assistant Professor, MBA on 04.01.2023.

Department of MBA organized a Motivational Session on "Importance of Life Skills and Creating Harmony" by Ms. Bhawana Chaudhary, Sub Inspector, BSF on 07.01.2023.

Department of MBA organized a Workshop on "Innovation Design" by Innovation Ambassador, Dr. Jyoti Guglani, Assistant Professor, ECE on 11.01.2023.

**GPS Map Camer** 

Department of MBA organized Extempore on Birth Anniversary of the Spiritual Guru, Swami Vivekanand on 12.01.2023.

- MBA department organized a Workshop on "Entrepreneurship Skills, Attitude and Behavioral development" on 09.01.2023
- Mr. Vaibhav Mishra, an expert in Application Engineering and Semiconductor Business Development, enlightened students of B. Tech I<sup>st</sup> year by giving an insight of his expertise. This has been initiated by the Department of Applied Science & Humanities to commemorate the National Youth Day on 12.01.2023 to motivate students towards entrepreneurship development

Ghaziabad, Uttar Pradesh

Department of Computer Science and Engineering organized a "Project Exhibition" on 19.01.2023 for final year students. The Project Exhibition was conducted by Dr. Nitin Sharma & Mr. Vivek Jain, CSE Dept. In this event, 56 projects were exhibited for competition.



Department of Computer Science and Engineering conducted an online PTM for 2nd, 3rd, and 4th year CSE students on 11.01.2023.



The Department of Computer Science and Engineering organized an Essay Writing Competition on 14.01.2023 to celebrate National Girl's Child Day. The students of CSE - 2nd year participated enthusiastically and got to learn about the significance of the day.



The Knack Club of Computer Science Department organized "Code Build Competition" in association with Coding Blocks on 31.01.2023. 89 students from CS and CSD department participated in the competition.



Department of Computer Science organized Project Exhibition on 19.01.2023 for final year students. Students presented their projects through a Power Point presentation.

Dasna, Uttar Pradesh, India



Department of Information Technology organized a Project Competition on 24.01.2023 for 4<sup>th</sup> Year students. Total 23 project groups (91 students) participated in this event. The faculty coordinator of this event was Mr. Updesh Kumar Jaiswal, Assistant Professor, IT Department.



### Patents Published

S.No	Title of Invention	Name of Inventor(s)	Published on
01	IoT ENABLED THERAPEUTIC MACHINE	Dr. Amit Sharma (IT)	25.01.2023
02	ROOM COOLER FOR ENHANCE THE COOLING SYSTEM	Dr. Ravi Shankar Raman (ME)	02.01.2023
03	AN ELECTRICITY GENERATION USING SPEED	Dr. Sanjeev Sharma (AS&H)	13.01.2023
	BREAKER EMBEDDED WITH AI CHIPSET TO	Dr. Suraj Chaudhary (ME)	
	RECOGNIZE EMERGENCY VEHICLE		
04	A GREEN TRAFFIC LIGHT OPTIMISED SPEED SYSTEM	Dr. Sanjeev Sharma (AS&H)	13.01.2023
	AND METHOD THEREOF	Mr. Amit Katoch (CSE)	
05	A SYSTEM AND METHOD FOR ANIMAL FOOD SAFETY	Mr. Mohit Mittal (CSE)	13.01.2023
	AND MENTAL STATE DETECTION	Dr. Vivek Kumar (BT)	
06	A MACHINE VISION BASED PERSON DETECTION	Dr. Nitin Sharma (CSE)	13.01.2023
	SYSTEM UNDER DIFFERENT ILLUMINANCE	Mr. Basudeo Singh Roohani	
	CONDITIONS	(CSE)	

#### Research Paper Published

- Sharma Sanjeev, Srinivasa M.P., Singh Vivek (2023). "Design and Analysis of suspended Core Photonic Crystal Fibre formed by Semicircular Air Holes near the Core". International Journal of Microwave and Optical Technology, Vol. 18, No.1 (Paper published by Dr. Sanjeev Sharma, AS&H)
- Ghosh S., Khosla U., Panwar V., Chaudhary V., Sharma V. (2023). "Stock Optimization and Cumulative Hypothesis". International Research Journal of Modernization in Engineering Technology and Science (Peer-Reviewed, Open Access, Fully Refereed International Journal), Volume:04/Issue:12/December-2022 Impact Factor- 6.752, DOI: https://www.doi.org/10.56726/IRJMETS32402 (Paper published by Dr. Subhajit Ghosh, CSE)
- Singh H., Armaan M., Srivastava J., Rizwan M., Ghosh S. (2023). "Brain Tumor Detection in Image Processing". International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 11 Issue I Jan 2023-Available at www.ijraset.com (Paper published by Dr. Subhajit Ghosh, CSE)

#### **Faculty Achievements**

- Dr. Sonia Juneja, CS Dept. delivered an Expert Talk on the topic "Research Database and Metrics" during 5 Days FDP on "Research Methodologies and Publication Ethics" conducted by IMSEC on 30.01.2023 03.02.2023.
- Ms. Dhanshri Parihar, CS Dept. completed Microsoft Philanthropy training on "Cyber Security" during 03.01.2023 12.01.2023.
- Mr. Awdhesh Kumar, CS Dept., completed 30 days online course on Machine Learning from Pantech Prolabs India Pvt. Ltd.
- Dr. S.N. Rajan, IT Dept. completed course on "Disaster Management forecasting and Mitigation with Embedded Systems" from National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Engineering College Bikaner during 09.01.2023 – 11.01.2023.
- Dr. Pramod Singh, ECE Dept. delivered a Lecture in training program on "Emerging Trends in Communication Antennas" organized by Defense Electronics Applications Laboratory Dehradun on 16.01.2023 18.01.2023.
- Dr. Ajay Kumar, ECE reviewed 2 research papers of SCI indexed journal i.e., international journal of Microwave of Wireless Technology
- Dr. Ravi Shankar Raman, ME Dept. delivered an Expert Lecture on "Six Sigma and its Applications", organized by Bhagwati Institute of Technology & Science, Ghaziabad on 08.01.2023.
- Workshops attended by Faculty Members:

S.No	Name of Faculty Member	Dept.	Name of Workshop	Date
1	Mr. Ram Krishna Singh	cs	Research Essentials: Fundamentals of writing	24.01.2023
			research articles for high impact journals	
2	Ms. Neha Chaudhary	cs	Why you should know about SNIP & SJR	03.01.2023
3	Ms. Neha Chaudhary	cs	Research Essentials: Fundamentals of writing	24.01.2023
			research articles for high impact journals	
4	Ms. Dhanshri Parihar	cs	Research Essentials: Fundamentals of writing	24.01.2023
			research articles for high impact journals	
5	Mr. Amit	cs	Research Essentials: Fundamentals of writing	24.01.2023
			research articles for high impact journals	
6	Ms. Harsiddhi Singhdev	cs	Research Essentials: Fundamentals of writing	24.01.2023
			research articles for high impact journals	
7	Ms. Bhanu Verma	cs	Why you should know about SNIP & SJR 03.01	
8	Ms. Bhanu Verma	cs	Research Essentials: Fundamentals of writing	24.01.2023
			research articles for high impact journals	
9	Mr. Awdhesh Kumar	cs	Research Essentials: Fundamentals of writing	24.01.2023
			research articles for high impact journals	

>> Faculty Development Programs attended by Faculty Members:

S.No	Name of Faculty Member	Dept.	Name of Faculty Development Program	Organized by	Date
01	Ms. Dhanshri Parihar	CS	Research Methodology and Publication Ethics	IMSEC	30.01.2023 –
					03.02.2023
02	Mr. Amit	cs	Research Methodology and Publication Ethics	IMSEC	30.01.2023 -
					03.02.2023
03	Ms. Harsiddhi	cs	Research Methodology and Publication Ethics	IMSEC	30.01.2023 -
	Singhdev				03.02.2023
04	Ms. Bhanu Verma	cs	Research Methodology and Publication Ethics	IMSEC	30.01.2023 -
					03.02.2023
05	Mr. Awdhesh Kumar	cs	Research Methodology and Publication Ethics	IMSEC	30.01.2023 -
					03.02.2023
06	Ms. Prabhjot Kaur	IT	Microsoft Power BI Data Analyst Associate	Dr. K.N. Modi	09.01.2023 –
				Institute of	13.01.2023
				Engineering &	
				Technology	
07	Dr. Ajay Kumar	ECE	Integration of WSN & IoT for Agriculture	AICTE Training	02.01.2023 -
				and Learning	13.01.2023
				(ATAL)	
				Academy	

#### **Students' Achievements**

- >> Research Paper Published by Students of CSE Department
  - a) Ghosh S., Khosla U., Panwar V., Chaudhary V., Sharma V. (2023). "Stock Optimization and Cumulative Hypothesis". International Research Journal of Modernization in Engineering Technology and Science (Peer-Reviewed, Open Access, Fully Refereed International Journal), Volume:04/Issue:12/December-2022 Impact Factor- 6.752, DOI: https://www.doi.org/10.56726/IRJMETS32402
  - b) Singh H., Armaan M., Srivastava J., Rizwan M., Ghosh S. (2023). "Brain Tumor Detection in Image Processing". International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 11 Issue I Jan 2023-Available at www.ijraset.com
- >> Students' achievement of CS Department:

Name of Student	Year	Section	Title of Course /Sports/Cultural Activities		
Mr. Utkarsh Shrivastav	4 <sup>th</sup>	CS1	Completed the certification course in Hackos (750)		
Ms. Anshika Tomar	3 <sup>rd</sup>	CS1	Completed the course in SQL Intermediate		
Ms. Ayushi Singh	2 <sup>nd</sup>	CS1	Participated in portrait competition of Netaji Subhas Chandra Bose conducted by mygov.in on republic day		
Ms. Kanika	2 <sup>nd</sup>	CSD	Participated in Prelims 1 of Wipro earthian Sustainability Quiz, 8 <sup>th</sup> edition		
Mr. Krishna Kant Dwivedi	2 <sup>nd</sup>	CS1	<ol> <li>Engineering virtual experience program by Goldman Sachs.</li> <li>Coding Ninja Entrepreneur Internship</li> </ol>		

- Mr. Raghav Gupta, student of IT 2<sup>nd</sup> Year has successfully completed a course on JavaScript for Beginners
- Mr. Priyanshu Sharma, student of IT 3<sup>rd</sup> Year has successfully completed a course on "Build Responsive Real-World Websites with HTML-CSS"
- Mr. Tushar Singla, student of IT 2<sup>nd</sup> Year has successfully completed a course on "HTML 5-Basic To Advanced Level"
- Mr. Sankalp, student of ECE 2<sup>nd</sup> year has successfully completed one month internship in "Fundamental of Machine Learning with Python for Business & Data Analytics" at YBI Foundation from 26.12.2022 to 25.01.2023.

#### **Other Significant Activities**



The Internal Quality Assurance Cell (IQAC) organized one day Staff Development Program on "Basic Human Aspirations and Their Fulfillment & Resolution of Concerns" by Dr. Navin Sharma, AS&H Dept., on 21.01.2023.



The Coding Club of MCA department organized a one day Technical Quiz competition on C language on 06.01.2023. 50 students actively participated and secured positions.

▶ Cultural Committee organized cultural programs & plantation drive on the occasion of 74<sup>th</sup> Republic day on 26<sup>th</sup> January, 2023 under the banner Azadi Ka Amrit Mahotsav.





IMS Engineering College organized an Alumni Sports Meet on 11.01.2023.

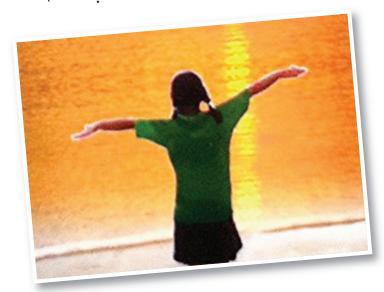
#### उम्मीदों की उड़ान लेना सीखा

ये छोटी सी जान न जाने दुनिया ना जाने लोग, उम्मीदों की उड़ान लेने, आई इस लोक, खुद को जाना, सबको समझा, एक उम्मीद लिए की सब रहेंगे साथ, आगे बढ़ना सीखा, उम्मीदों की उड़ान लेना सीखा।

सीखा सारे ज्ञान, गिरके उठना, उठके गिरना सबकुछ जाना सबको साथ लिए चलना सीखा, उम्मीदों की उड़ान लेना सीखा।

कदम डगमगाए तो माँ-बाबा ने हाथ पकड़ा, उम्मीदों की उड़ान लेना सिखाया, उम्मीदों की उड़ान लेना सीखा।

कदम बड़ाया, आगे बड़ी, देखा सारा संसार, आगे दुनिया पीछे मै, हाथ छूटा साथ छूटा, रह गए संस्कार, आगे बढ़ना सीखा, उम्मीदों की उड़ान लेना सीखा।



**Poem by:-**Suhani Gupta (BT 3<sup>rd</sup> year)

Editor-in-Chief
Dr. Milan Chakraborty (AS&H)

Poems by:Dr. Arvind Sharma
(Faculty, IMSEC)





#### प्रकृति

प्रकृति में होता है एक अनुठा अनुबंध। जैसे आत्मा और परमात्मा का संबंध। प्रकृति जितना लेती है देती है कई गुना। भले ही हम लोग कर देते हैं उसे अनसुना। इसका हर ताना बाना गया है इस तरह बुना। दिखा हर किसी को ऐसा जैसा उसने चुना। होकर क्रूर मानव ही फैलाता है दुर्गंध। प्रकृति में होता है एक अनूठा अनुबंध। ये परमात्मा का ही होती है एक रूप। वरदान सिद्ध होती है मानव के अनुरूप। कभी देती छांव कभी दिखाती है धुप। मानव की क्रूरता ने ही किया इसे कुरूप। उजाड़ कर प्रकृति ढूंढता है संबंध। प्रकृति में होता है एक अनुठा अनुबंध। अगर हम प्रकृति से संबंध बना ले सच्चा। तो खुश होगा आगामी पीढ़ी का हर बच्चा। प्रकृति को बचाकर हम सहेज पाएंगे धरोहर, कहलाएंगे परिपक्व न ज्ञान रहेगा कच्चा। बनी रहेगी सही समझ न होगा प्रतिबंध। प्रकृति में होता है एक अनुठा अनुबंध।