



**IMS ENGINEERING COLLEGE GHAZIABAD**  
**(YEAR OF ESTABLISHMENT – 2002)**  
**[Approved by AICTE Affiliated to AKTU, Lucknow]**



## **Supporting Document**

**6.2.1 The institutional Strategic/ perspective plan is effectively deployed**

## IMS ENGINEERING COLLEGE, GHAZIABAD

### Research and Development Cell

#### Publication Status (December 2019-August 2020)

DEPARTMENT	NAME OF FACULTY	DETAIL OF PUBLICATION	STATUS
AS&H	DR. SUNDARI	The third flag- Transitive plane of order 49	Communicated in Ricerche di Matematica
BT	DR. VIVEK KUMAR	Aptamer based diagnosis: A rapid, cost effective, efficient and suitable point of care testing method against SARS coronavirus-2 (SARs-CoV-2)	Communicated in Current Biotechnology
	DR. INDU BHATT	Effect of heavy metals on plant biodiversity and its bioremedies	Communicated in Indian Journal of Scientific Research
	DR. NARENDRA KUMAR	Keshawanand Tripathi, Narendra Kumar, Meenakshi Singh, Ravi Kant Singh (2020). Fungal Siderophore: Biosynthesis, Transport, Regulation, and Potential Applications in book entitled 'Rhizosphere Microbes: Soil and Plant Functions' edited by Sushil Kumar Sharma, Udai Bhan Singh, Pramod Kumar Sahu, Harsh Vardhan Singh, Pawan Kumar Sharma, Springer Nature, in press.	Book Chapter Accepted for Publication
	MS. SHOMINI PARASHAR AND DR. NARENDRA KUMAR	Parashar Shomini, Kumar Narendra (2020). Microbacterium barkeri Sp. Sela 4, Characterization As A Novel Agar-Degrading Bacterium, Isolated from Soil Enriched with Laboratory Agar. SciTech Immuno-Microbiology 2020. India.	Published
	DR. SANTOSH MISHRA AND MR. PRIYARANJAN KUMAR	S.K. Mishra, P.R.Kumar, R.K Singh, A.K. Singh (2020). Agro-Industrial Residues as Solid Substrate for $\alpha$ -Amylase Production Using Solid State Fermentation by Filamentous Fungi: A Review, Bioscience Biotechnology Research Communications .13 (2), 550-555	Published

		Mishra SK, Kumar PR, Singh RK (2020). Book Chapter: Transgenic plants in phytoremediation of organic pollutants. in Bioremediation of Pollutants (Elsevier).	Published
		Singh RK, Velramar B, Mishra SK, Kumar PR, (2020) Book Chapter : Development of biologically-based activated carbon for advanced water and wastewater treatment process. in Bioremediation of Pollutants (Elsevier).	Published
	DR. SANTOSH KUMAR	Vatsla Gupta, Nishant Veer Vikram Singh, Aarushi Shukla , Namita Singh, Santosh Kumar Mishra (2020). Sustainable Biofuel Production using Lignocellulosic Biomass as a Raw Material, Int.J.Curr.Microbiol.App.Sci 9(7), 3339-3350	Published
CSE	DR. PANKAJ AGARWAL, MS. SAPNA YADAV	Pankaj Agarwal, Sapna Yadav; <i>How India and its Neighbors are doing during Covid-19 Pandemics- A Critical Analysis</i> ;International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-9 Issue-3, Scopus Indexed, (September 2020)	Published
		Sapna Yadav, Pankaj Agarwal; <i>Influenza Prediction: Analyzing Machine Learning Algorithms</i> ; Asian Journal of Computer Science and Technology ISSN: 2249-0701 Vol.9 No.1, 2020, pp. 14-18 (August 2020)	Published
		Sapna Yadav and Pankaj Agarwal, Predictive Model for Analyzing PM 2.5 Level Of Air (March 28, 2020). Proceedings of the International Conference on Innovative Computing & Communications (ICICC) 2020	Published
	DR. PANKAJ AGARWAL, Mr. MUKESH SINGH	Pankaj Agarwal, “A multipurpose drone for water sampling & video surveillance”, Second IEEE International Conference on Advanced Computational and Communication Paradigms, Sikkim (2019)	Published
	MS. JYOTI GUGLANI	Jyoti Guglani, ‘Automatic Speech Recognition System with Pitch dependent Features for Punjabi language on KALDI Toolkit’ published in SCI Indexed Journal, Applied Acoustics, Elsevier	Published

		(Impact Factor 2.297), April 2020.	
		Jyoti Guglani, 'DNN based Continuous Speech Recognition System of Punjabi Language in KALDI toolkit' published in SCOPUS Indexed Journal, International Journal of Speech Technology, Springer (Impact Factor 1.22), May 2020.	Published
		Jyoti Guglani, 'Multiresolution Speech Analysis of Speech recognition system of Punjabi language'	Communicated in International Journal of Speech Technology, Springer
	MS. DEEPTI AGRAWAL & MR. SHUBHAM SHARMA	Deepti Aggrawal & Shubham Sharma; Group Data Sharing and Auditing while Securing Sensitive Information"; 3rd International Conference On Innovative Computing And Communication (ICICC-2020); 21-23rd FEBRUARY (2020); to be published in Springer Journal	Published
		Shubham Singh and Deepti Aggarwal; Analysis of Approaches to Detect Fake Twitter Accounts; International Conference on Artificial Intelligence and Speech Technology; Dec 2019.	Published
EN	MS. SULEKHA SAXENA AND MR. VIJAY KUMAR	Sulekha Saxena, Vijay Kumar Gupta and P. N. Hrisheeksha, Detection of Congestive Heart Failure Based on Spectral Features and Extreme Learning Machine, International Journal of Innovative Technology and Exploring Engineering, pp no. 851-862, Volume 8, Issue 9S, July 2019 SCOPUS indexed.	Published
		Sulekha Saxena, Vijay Kumar Gupta and P. N. Hrisheeksha, Coronary Heart Disease Detection Using Nonlinear Features and Online Sequential Extreme Learning Machine, Journal of Biomedical Engineering: Applications, Basis and Communications, Vol. 31, No. 6, 1950046, Nov 2019, ESCI, SCOPUS indexed.	Published
		Sulekha Saxena, Vijay Kumar Gupta and P. N. Hrisheeksha, Detection of Coronary Artery Disease and Congestive Heart Failure Using Non-linear Features and Online Sequential Extreme Learning Machine	Communicated in Journal of Medical and Biological Engineering (SCI Indexed).

		Sulekha Saxena, Vijay Kumar Gupta and P. N. Hrisheeksha, Aimed Robot: Autonomous IOT controlled medical assistance robot.	Communicated in Corona viruses (COVID) Journal, Bentham Science
	MS. ANNU GOVIND	Annu Govind (2019), Performance Enhancement of Shunt Active Power Filter Application using Adaptive Neural Network, Journal of Power Technologies (ESCI, SCOPUS).	Accepted for publication
	MR. OM PRAKASH YADAV	Om Prakash Yadav, G. L. Pahuja, 2020, Bearing Health Assessment Using Time Domain Analysis of Vibration Signal, International Journal of Image, Graphics and Signal Processing (IJIGSP), Vol.12, No.3, pp. 27-40, 2020. DOI:10.5815/ijigsp.2020.03.04. (EBSCO-nonpaid)	Published
		Om Prakash Yadav, G L Pahuja, 2020, Stator Winding Faults Monitoring using Advanced Classification Algorithm, International Journal of Advanced Science and Technology, Elsevier, vol. 29, no. 06, pp. 6047 - 6059. (SCOPUS).	Published
		Om Prakesh Yadav (2019), Time-Frequency Spectral Power Assessment of Rolling Element Bearing Faults Using Adaptive Modified Morlet Wavelet Transform; Recent Patents on Computer Science, accepted for publication (SCOPUS).	Published
	MR. R.K. CHAUHAN	Ayushi Singh, Anamika Singh, Kajal Kumari, Harsh Verma, Ashutosh Sharma, R.K. Chauhan, (2020), "DREIRAD" International Journal of Advance Research and Development, vol. 5, issue 6, pp. 19-23, 2020.	Published
IT	DR. AVDRESH GUPTA	Gupta V, Gupta A, Kumar D and Batra A.2020. Prediction of Covid-19 Confirmed, Death, and Cured Cases in India using Random Forest Model. <i>Big Data Mining and Analytics</i> DOI: 10.26599/BDMA.2020.902	Accepted date: 21-Aug-2020
	MR. UPENDRA MISHRA	Chaudhary A, Srivastava H, DwivediA and Mishra U. 2020. Manobhav: Twitter Sentimental Analysis. <i>International Research Journal of Engineering &amp; Technology</i> Vol-7, Issue-7, July 2020.	Published

	MR. VEER BHADRA PRATAP	Gupta H, Garg A and Singh VBP. 2020. The Third Eye. <i>International Journal of Advance research and Development</i> Vol-5, Issue-4, June 2020	Published
	DR. SN RAJAN	Brahmbhatt P, Chaturvedi R, Rajan SN and Marksheffel B. 2019. Skin Lesion Segmentation using SegNet-U-Net Ensemble. <i>VIJR</i> Vol-10, Issue-2, December 2019.	Published
		Brahmbhatt P and Rajan SN 2020. Skin Lesion Segmentation using SegNet with Binary Cross- Entropy. <i>International Journal of Information Technology</i> .	Communicated
	MR. SHARDUL SINGH CHAUHAN	Verma N, Singh S, Chauhan S and Kumar D. 2020. Disease Prediction with Naïve Bayes Classifier, <i>VIJR</i>	Accepted
ME	DR. PANKUL GOEL & MR. ANKIT KUMAR SAXENA	Pankul Goel, Ankit Kumar Saxena, MohdAtif Wahid, Sachin Rathore, Nidhi Sharma, 2020, “Influence of Friction Stir Welding Parameters on Mechanical Properties of dissimilar AA 7475 to AISI 304” published in IOP Conference Series: Materials Science and Engineering. Vol 802, <a href="https://doi.org/10.1088/1757-899X/802/1/012010">https://doi.org/10.1088/1757-899X/802/1/012010</a> , (Scopus Index).	Published in March 2020
	DR. B.N. PATHAK & DR. PANKUL GOEL	Bibeka Nand Pathak, Pankul Goel, Arunesh Chandra, 2020, “Effect of Ni-20 mg treatment and machining parameters on surface4 quality of Al (1–4) Fe-IV-1Si alloys”, published in Materials Today: Proceedings, Elsevier, Vol 26, pp 394-398, <a href="https://doi.org/10.1016/j.matpr.2019.12.062">https://doi.org/10.1016/j.matpr.2019.12.062</a> , (Scopus Index).	Published in March 2020
	MS. MUBINA SHEKH & O. P. UMRAO	Mubina Shekh, O. P. Umrao, Dharmendra Singh, 2020, “Kinematic Analysis of Steering Mechanism: A Review”, published in Smart Innovation, Systems and Technologies, Springer, Singapore, pp 529-540, <a href="https://doi.org/10.1007/978-981-15-2647-3_48">https://doi.org/10.1007/978-981-15-2647-3_48</a> . (Scopus Index)	June 2020
	DR. B.N. PATHAK	Arunesh Chandra, Sachin Rathore, Bibekanand Pathak and Harish Kumar, 2020, “Ergonomic Risk Assessment and Postural Analysis of Indian Agricultural Workers”, paper accepted for presentation and publication in proceeding in EMSME 2020 (IST INTERNATIONAL CONFERENCE ON ENERGY, MATERIAL	Communicated & Accepted

		SCIENCES & MECHANICAL ENGINEERING - 2020)	
	DR. B.N. PATHAK	Arunesh Chandra, Harish Kumar and Bibeka Nanad Pathak, 2020, Modification in the design of motorcycle helmet for improved comfort of Indian riders”, paper communicated for publication in Engineering Solid Mechanics (Scopus Index)	Communicated
	DR. B.N. PATHAK	Bibeka Nand Pathak and Arunesh Chandra, 2020, "Effect of Iron content and machining parameters on surface quality of Al-1V-1Si alloys", paper accepted for publication in Recent Advances in Mechanical Engineering-Select Proceedings of ITME 2019, Springer (Scopus Index).	Communicated, Accepted & Presented
	DR. PANKUL GOEL	Mohd Atif Wahid, Pankul Goel, Z.A. Khan, K.M. Agarwal, E.H. Khan, 2020, “Underwater Friction Stir Welding of AA6082-T6: Thermal Analysis” to be publish in Lecture notes in Mechanical Engineering Springer, Singapore, (Scopus Indexed)	Communicated, Accepted & Presented
MBA	DR. SHASHI GUPTA	Gupta S (2020), “ An analysis of Financial Aspects & Turnaround Strategies in Indian Textile Industries” Paper published in International Journal of Management(SCOPUS INDEXED),pp 33-46 ISSN Print: 0976-6502, ISSN Online:0976-6510	Published in August 2020
	DR. SHASHI GUPTA	An analysis of fundamentals of selected stocks of IT companies,	Communicated in IJBMI
	DR. MEENU BALIYAN	Baliyan M, Rathi P, Tyagi R(2020) “ Performance Evaluation of selected mutual funds” paper published in International Journal for Research in Engineering Application & Management (IJREAM) ISSN : 2454-9150 Vol-06, Issue-03, June 2020	Published
	DR. MEENU BALIYAN	Baliyan M, Rathi P.(2020) “Testing Efficiency in Weak Form of Indian Banking Industry” published in International Journal of Research and Scientific Innovation (IJRSI) ISSN No. 2321-2705 vol.7 issue 7, pp.21-26	Published

	MS. PUNJIKA RATHI	Baliyan M, Rathi P, Tyagi R(2020) “ Performance Evaluation of selected mutual funds” paper published in International Journal for Research in Engineering Application & Management (IJREAM) ISSN : 2454-9150 Vol-06, Issue-03, June 2020	Published
	MS. PUNJIKARATHI	Baliyan M, Rathi P.(2020) “Testing Efficiency in Weak Form of Indian Banking Industry” published in International Journal of Research and Scientific Innovation (IJRSI) ISSN No. 2321-2705 vol.7 issue 7, pp.21-26	Published

**Compiled by:  
Dr. Indu Bhatt**



# IMS Engineering College, Ghaziabad

## OFFICE ORDER

**From: Director**

**To: All Concerned**

Ref: DIR/FEB/2021/462

Date: 3<sup>rd</sup> February 2021

The Internal Quality Assurance Cell (IQAC) has been reconstituted for monitoring the quality parameters in IMS Engineering College. The composition of the cell is as below:

**Chairperson** - Dr. Prabal Chakravorty, Director  
**Member from the Management** - Shri Sanjay Agarwal Ji, Hon'ble Treasurer  
**Senior Administrative Officer** - Mr. Manoj Kumar Kukreja, Registrar

### **Nominee from the Local Society/Trust, Students and Alumni -**

1. Shri Apoorva Goel, Hon'ble Member - IMSEC Society
2. Mr. Sunny Kumar Jadoon, Alumni
3. Mr. Manas Gupta, Student - CSE

### **One nominee each from the Employer/Industrialists/Stakeholders -**

1. Mr. Anurag Gupta, Director - Tevatron Technologies: Industrialist
2. Employer – Mr. Vipul Batra, Team Lead, Sopra Steria, Noida
3. Stakeholder – Mr. Dheeraj Sirohi (Parent of student)

### **Faculty Members to represent all levels -**

1. Dr. Suneet Shukla, Associate Professor (IT)
2. Dr. Avdhesh Gupta, Associate Professor (CSE)
3. Dr. B.N. Pathak, Associate Professor (ME)
4. Prof. Punjika Rathi, Assistant Professor (MBA)
5. Prof. Saroj Kumar, Assistant Professor (EN)
6. Prof. Jaya Nidhi Vashishtha, Assistant Professor (EC)
7. Prof. Hakim Singh, Assistant Professor (CSE)

**Coordinator** - Dr. Narendra Kumar, Associate Professor (BT)

The IQAC should meet at least once in every quarter. The quorum for the meeting shall be two-third of the total number of members. The agenda, minutes and Action Taken Reports are to be documented with official signatures and maintained electronically in a retrievable format.

It is necessary for the members of the IQAC to shoulder the responsibilities of generating and promoting awareness in the institution and to devote time for working out the procedural details.

*Dr.*  
*Please circulate*  
*Prabal 4/12*  
*1) Hard copy to ALL HODS + Deans + Section Heads*  
*2) Soft copy to all faculty + staff*

## Strategies

*IQAC shall evolve a mechanism and procedures for*

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial units;
- b) Adoption of relevant and quality academic and research programmes;
- c) Ensuring equitable access to and affordability of academic programmes for various sections of the society;
- d) Optimization and integration of modern methods of teaching and learning;
- e) Ensuring credible assessment and evaluation processes;
- f) Ensuring the proper allocation, adequacy and maintenance of support structure and services;
- g) Sharing of research findings and networking with other institutions in India and abroad.

## Functions

- a) Development and application of quality benchmarks;
- b) Setting parameters for various academic and administrative activities of the institution;
- c) Facilitating the creation of a learner-centric environment conducive to quality education and faculty development to adopt the required knowledge and technology for participatory teaching and learning process;
- d) Collection and analysis of feedback from all the stakeholders on quality-related institutional processes;
- d) Dissemination of information on various quality parameters to all the stakeholders;
- e) Organization of intra- and inter-institutional workshops and seminars on quality-related themes and promotion of quality circles;
- f) Documentation of various programmes/activities leading to quality improvement;
- g) Acting as a nodal agency of the institution for coordinating quality-related activities, including adoption and dissemination of the best practices;
- h) Development and maintenance of institutional database through MIS for the purpose of maintaining and enhancing institutional quality;
- i) Periodical conduct of Academic and Administrative Audits along with their follow-up activities; and
- j) Preparation and submission of the Annual Quality Assurance Report (AQAR) as per the guidelines and parameters of NAAC.

*Prabal*

(Dr. Prabal K. Chakravorty)

Director

*Copy to 1) Hon'ble Treasurer  
2) As mentioned on sheet 1.*

**IMS Engineering College, Ghaziabad**  
**Department of Electrical & Electronics Engineering**

**NOTICE**

Date:-19/09/2018

**Regarding MOCK Interview for Placement Activities of Session 2018-19**

Following faculty members are being nominated for MOCK Interviews regarding placement activities:

- |  |  |                     |
|--|--|---------------------|
| 1. Prof. Annu Govind                             | { will coordinate with PDP faculty for HR Interview. } | <i>AG</i>           |
| 2. Prof. Raj Kumar Singh                         | { will coordinate MOCK Interview. }                    |                     |
| a. Prof. O.P. Yadav                              | } Panel-1  | <i>O.P.</i>         |
| b. Prof. Varun Kr. Singhal                       |  | <i>V.K.</i>         |
| c. Prof. Sulekha Saxena                          | } Panel-2  |                     |
| d. Prof. Atul Kushwaha                           |  | <i>AK</i>           |
| e. Prof. Sameer Anand                            | } Panel-3  | <i>SA</i>           |
| f. Prof. Snigdha Chaturvedi                      |  | <i>SC</i>           |
| 3. Prof. Abhishek Gupta and Prof. Mayank Agarwal | { will ensure availability of students. }              | <i>AG</i> <i>MA</i> |

All nominated faculty members are requested to do assigned duty seriously.

*R.K. Chauhan*  
19/9/2018  
Prof. R. K. Chauhan  
HOD-EN

**IMS Engineering College, Ghaziabad**  
**Department of Electrical & Electronics Engineering**

**NOTICE**

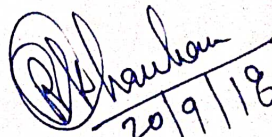
Date:-20/09/2018

**Regarding Basic Fundamental Classes of Technical Subjects for Placement**  
**Activities of Session 2018-19**

Following faculty members are being nominated for Basic Fundamental classes regarding technical subjects:-

- |  |   |                                     |   |
|--|---|-------------------------------------|---|
| 1. Prof. O.P. Yadav                              | {   | Basic Electronics & Micro Processor | } |
| 2. Prof. Sulekha Saxena                          |   |                                     |   |
| 3. Prof. Raj Kumar Singh                         | {   | Basic Electrical & Power System     | } |
| 4. Prof. Sameer Anand                            |   |                                     |   |
| 5. Prof. Abhishek Gupta and Prof. Mayank Agarwal | { will ensure availability of students. } |                                     |   |

All nominated faculty members are requested to do assigned duty seriously.

  
20/9/18  
Prof. R. K. Chauhan  
HOD-EN

**IMS ENGINEERING COLLEGE, GHAZIBAD (UP)**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**DETAILS FOR THE MOCK INTERVIEW**

S.N.	Roll Number	Full Name	Email Id	Mobile Number (Self)	Course	Branch & Section	10th Year of Passing	10th Percentage	12th Year of Passing	12th Percentage	B.Tech Aggregate Percentage
37	1714340038	Nitesh Raghav	niteshraghav22@gmail.com	8384895021	B.Tech	ME-2	2014	77.9	2016	71	68.87

**Criteria for mock Interview**

DATE	DAY	TIME	Parameters					Total (50)	Remarks
			Punctuality (10)	Communication (10)	Confidance (10)	General Knowledge (10)	Technical Knowledge (10)		
17/12		14:06	7	5	3	3	4		

Name & Sign of interviewer

*Srijelha Chaturvedi*  
*Srijelha*