



**J.C. BOSE UNIVERSITY OF SCIENCE AND  
TECHNOLOGY, YMCA, FARIDABAD, HARYANA (INDIA)**

A State Government University (Accredited 'A+' Grade by NAAC)

# ANNUAL REPORT 2023-24



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# ANNUAL REPORT 2023-24



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## **J. C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA FARIDABAD, HARYANA, (INDIA)**

A State Government University (Accredited 'A+' Grade by NAAC)

(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22 to Confer Degrees)

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## FOREWORD



It gives me immense pleasure to present the Annual Report of J.C. Bose University of Science and Technology, YMCA, Faridabad (formerly YMCA University of Science and Technology) for the session 2023-2024. This report has been compiled in pursuance of Section 25 of the YMCA University of Science and Technology, Faridabad Act, 2009, under the direction of the Executive Council of the University for submission to the Visitors, Chancellor, and State Government through the University Court.

The University has a rich legacy, having started in 1969 as the YMCA Institute of Engineering through an Indo-German collaboration, and today, it stands as a premier institute in technical and higher education, shaping young minds for national and global challenges. The second cycle of NAAC accreditation with an ‘A+’ Grade in 2022 is a testament to our academic excellence and commitment to quality education.

This Annual Report comprehensively documents the University’s progress, including academic, research, administrative, and financial developments. The year 2023-24 saw a continued focus on research, resulting in high-impact publications, patents, MoU’s & other academic activities and industry collaborations. Faculty and students have actively engaged in seminars, conferences, and skill-development programs, enhancing the University’s intellectual ecosystem. The strong alumni network continues to play a vital role in the industrial sector, contributing significantly to India’s techno-economic growth.

In line with the vision of National Education Policy (NEP) 2020, the University is committed to bridging the gap between education and employability, ensuring students gain hands-on experience and entrepreneurial skills. Several new programs have been introduced to meet emerging industry demands, and our emphasis on technical education, research, and innovation remains steadfast.

I extend my sincere appreciation to the faculty, researchers, administrative staff, and students whose relentless efforts have been crucial in driving the University’s growth. Their dedication ensures that the University continues to uphold its mission of excellence in education, research, and societal contribution.

**Prof. S. K. Tomar**  
Vice-Chancellor

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## EDITORIAL COMMITTEE

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The Annual Report of the J. C. Bose University of Science and Technology, YMCA, Faridabad for the Financial and Academic year 2023- 2024 is presented here. The Report contains information about the University Bodies, Faculty and Staff positions, Research initiatives, Academic progress, Departmental and Co-curricular activities, Placements and Financial summary. The Editorial Committee comprised of the following members:

Sr. No.	Name	Designation and Department
1	<b>Dr. Pradeep Kumar</b>	Professor, Department of Electronics Engineering (in Chair)
2	<b>Dr. Rashmi Agarwal</b>	Associate Professor, Department of Electrical Engineering
3	<b>Dr. Lalit Rai*</b>	Assistant Professor, Department of Electronics Engineering
4	<b>Dr. Rewa Sharma</b>	Assistant Professor, Department of Computer Engineering
5	<b>Dr. Anurag Prakash Sunda*</b>	Assistant Professor, Department of Chemistry
6	<b>Dr. Komal Taneja</b>	Assistant Professor, Department of Life Sciences
7	<b>Dr. Sapna Taneja</b>	Assistant Professor, Department of Management Studies
8	<b>Dr. Taruna Narula</b>	Assistant Professor, Department of CMT
9	<b>Dr. Rashi Gupta</b>	Assistant Professor, Department of Physics
10	<b>Sh. Jitender Singh Yadav</b>	Public Relations Officer
		<b>*Latex Editor(s)</b>

The Report is compiled under the overall supervision of **Prof. Pradeep Kumar**, Department of Electronics Engineering and **Prof. Atul Mishra**, Dean (Academic Affairs) and it presents the highlights of the activities and achievements of the J. C. Bose University of Science and Technology, YMCA, Faridabad during the year 2023-2024. The information presented in this report is based on the data/information provided to the committee by the concerned Departments/Sections. For any discrepancy in data, the concerned department/branch may be consulted.

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# **The University**

# THE UNIVERSITY

## Introduction

J. C. Bose University of Science and Technology, YMCA, Faridabad (formerly YMCA University of Science and Technology) was established in 2009 by Haryana State Legislative Act No. 21 of 2009 and Haryana Government Gazette Notification No. 29 of 2009, dated 16.9.2009.

Before the University came into existence, it had a humble beginning in 1969 as YMCA Institute of Engineering with an intake of 120 students. It was an Indo-German Project – a Joint Venture of the State Government (erstwhile Punjab) and the National Council of YMCAs of India with active assistance from overseas Agencies of West Germany. The Institute was started to impart technical education to a developing India on German patterns and to produce highly practical-oriented personnel in specialized fields of engineering to meet specific technical manpower requirements of industries.

During its formative years, the land of 20 acres to YMCAIE was provided by the State Government for the construction of teaching blocks, hostels, and a residential campus. The labs and workshops were set up with the assistance of German experts. The State Govt started funding 100% grant-in-aid to YMCAIE from the year 1994 onwards, and subsequently took over the management and the resources in the year 1998. The YMCAIE was upgraded to the University by the Legislative Act 21 of 2009. The UGC granted the 12(B) status to the University in the Year 2012 enabling it to receive grants from UGC. In 2017, it got the status to grant affiliation to the Engineering Colleges situated in district Palwal and Faridabad. In 2018, the University was named after the great Indian scientist Jagadish Chandra Bose by the State Government vide a notification dated 11.10.2018 (Haryana Legislative Act No. 29 of 2018). Recently, the University was re-accredited by NAAC with 'A+' Grade in the second cycle of accreditation in the year 2022.

The salient features of German education have been retained by the University and as such the University stands apart from other Universities of Haryana. The sophisticated equipment and machines in the workshops and laboratories enable the students to operate various machines independently to acquire thorough knowledge and develop competence in their respective skills.

The University has a rich alumni network as its alumni are leaders in the industry and corporate world. They have played a significant role in the Industrial development of Faridabad and contributed significantly to the techno-economic growth of the country.

At present, the University offers four-year B.Tech. degree in almost all disciplines. Besides, it offers Science, Management, and Arts courses at UG and PG levels. At the UG level, B.Sc. (Hons) in Physics, Chemistry, and Mathematics; BCA, BBA, BA in Journalism & Mass Communication and BA in Social Work and BSc (Animation & Multimedia) have been introduced.

Similarly, at the PG level, M.Tech. (in all disciplines), MCA, MBA, M.Sc. (Physics, Chemistry, Environment

Studies, Mathematics, Bio-Technology, Botany, Zoology and Microbiology, Animation and Multimedia), and M.A. (Journalism & Mass Communication and English) are being offered. The University also offers Ph.D. programs in all disciplines. The University also runs various B.Voc. and skill-related diploma and certificate courses under its Community College of Skill Development.

The present campus of the University is situated on National Highway-2, Mathura Road, 30 km from National Capital, Delhi. The University campus is located in the sprawling Faridabad-Ballabgarh Industrial complex. The State Government has also allotted 18 acres of land to the University on Faridabad-Gurugram Road in village Bhakari for its second campus.

**Vision**

J. C. Bose University of Science and Technology, YMCA, Faridabad aspires to be a nationally and internationally acclaimed leader in technical and higher education in all spheres which transforms the life of students through integration of teaching, research, and character building.

**Mission**

- To contribute to the Development of Science and Technology by synthesizing teaching, research, and creative activities.
- To provide an enviable research environment and state-of-the-art technological exposure to its scholars.
- To develop human potential to its fullest extent and make them emerge as world-class leaders in their Professions and enthuse them towards their social responsibilities.

**Incumbency Board**

<b>CHANCELLOR</b>			
<b>Sr. No.</b>	<b>Name</b>	<b>From</b>	<b>To</b>
1.	Hon'ble Shri Jagannath Pahadia	01.12.2009	26.07.2014
2.	Hon'ble Prof. Kaptan Singh Solanki	27.07.2014	24.08.2018
3.	Hon'ble Shri Satyadeo Narain Arya	25.08.2018	06.07.2021
4.	Hon'ble Shri Bandaru Dattatreya	07.07.2021	Till Date

<b>VICE-CHANCELLOR</b>			
<b>Sr. No.</b>	<b>Name</b>	<b>From</b>	<b>To</b>
1.	Sh. A. K. Singh, IAS (Additional Charge)	01.12.2009	22.04.2010
2.	Sh. Mohinder Kumar, IAS (Additional Charge)	23.04.2010	30.03.2012
3.	Lt. Gen. (Retd.) K. S. Yadava	30.03.2012	30.03.2015
4.	Dr. Sandeep Grover (Officiating)	30.03.2015	03.11.2015
5.	Prof. Dinesh Kumar	04.11.2015	03.11.2021
6.	Sh. Raj Nehru (Additional Charge)	04.11.2021	03.02.2022
7.	Prof. Sushil Kumar Tomar	22.02.2022	Till Date

<b>REGISTRAR</b>			
<b>Sr. No.</b>	<b>Name</b>	<b>From</b>	<b>To</b>
1.	Dr. Ashok Kumar Arora	10.12.2009	31.05.2010
2.	Dr. Ashok Sharma	01.06.2010	16.04.2012
3.	Dr. (Mrs.) Shimla	17.04.2012	08.09.2014
4.	Dr. Sandeep Grover (Officiating)	09.09.2014	30.03.2015
5.	Dr. Tilak Raj (Officiating)	30.03.2015	30.03.2016
6.	Dr. Sanjay Kumar Sharma	30.03.2016	30.03.2019
7.	Dr. Raj Kumar (Officiating)	01.04.2019	06.09.2019
8.	Dr. Sunil Kumar Garg	06.09.2019	05.09.2022
9.	Dr. Sunil Kumar Garg	19.09.2022	14.08.2023
10.	Dr. Meha Sharma (Officiating)	16.08.2023	Till date

**Faculty-Wise and Department-Wise Deans and Chairpersons**

<b>Faculty of Engineering and Technology</b>	
Dr. Raj Kumar	Dean
Dr. Arvind Kumar, Department of Mechanical Engineering	Chairperson
Dr. Pradeep Kumar, Department of Electronics Engineering	Chairperson
Dr. Anju Gupta, Department of Electrical Engineering	Chairperson
Dr. Rajni Saggi, Department of Civil Engineering	Chairperson
<b>Faculty of Informatics and Computing</b>	
Dr. C. K. Nagpal	Dean
Dr. Atul Mishra, Department of Computer Engineering	Chairperson
Dr. Shilpa Sethi, Department of Computer Applications	Chairperson
<b>Faculty of Sciences</b>	
Dr. Neetu Gupta	Dean
Dr. Neetu Gupta, Department of Mathematics	Chairperson
Dr. Sonia, Department of Physics	Chairperson
Dr. Ravi Kumar, Department of Chemistry	Chairperson
Dr. Renuka Gupta, Department of Environmental Sciences	Chairperson
<b>Faculty of Life Sciences</b>	
Dr. Anuradha Sharma	Dean
Dr. Kakoli Dutt, Department of Life Sciences	Chairperson
<b>Faculty of Management Studies</b>	
Dr. Ashutosh Nigam	Dean
Dr. Rachna Aggarwal, Department of Management Studies	Chairperson
Dr. Manisha Goel, Department of Business Studies	Chairperson
<b>Faculty of Liberal Arts and Media Studies</b>	
Dr. Anuradha Sharma	Dean
Dr. Pawan S. Malik, Department of Communication and Media Technology	Chairperson
Dr. Divyajyoti, Department of Literature and Languages	Chairperson
<b>Faculty of Interdisciplinary Studies</b>	
Dr. Neelam Turk	Dean
Dr. Neelam Turk, Centre for Energy Studies	Chairperson

**DIRECTORS**

Dr. Maneesha Garg	Research and Development
Dr. Ashutosh Dixit	Internal Quality Assurance Cell
Dr. Ashutosh Nigam	Admissions
Dr. Pradeep Dimri	Youth and Culture Affairs
Dr. Shurti Sharma	University Computer Centre & Digital Affairs
Dr. Mamta Kathuria	International Affairs Cell
Dr. Sonia	Director – Industrial Relations
Dr. Ravi Kumar	Director – Central Instrumentation Laboratory

**OTHERS**

Dr. Sanjeev Goyal	Principal – Community College for Skill Development
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**UNIVERSITY OFFICIALS**

Dr. C. K. Nagpal	First Appellate Authority (RTI)
Dr. Komal Kumar Bhatia	Controller of Examinations
Dr. Lakhwinder Singh	Proctor
Sh. Ravi Kumar Sharma	Controller of Finance
Dr. Rajesh Kumar Ahuja	Training and Placement Officer
Dr. Sandhya Dixit	Chief Hostel Warden (Girls)
Dr. P. N. Bajpai	Deputy Librarian
Dr. Vivek Sharma	Workshop Superintendent
Dr. Meha Sharma	Deputy Registrar – Establishment Branch
Sh. Manish Gupta	Deputy Registrar – Academics & Affiliation
Sh. Sachin Gupta	Deputy Registrar – Examination Branch
Sh. Vishal Kumar	Assistant Registrar – Store & Purchase Branch
Sh. Gaurav Garg	Assistant Registrar – Affiliation & Registration
Dr. Jyoti Mor	Assistant Registrar – Academics Branch
Sh. Ajay Taneja	Superintending Engineer
Sh. Anil Kumar Sharma	Executive Engineer (Civil)
Dr. Ankur Sharma	Medical Officer
Sh. Jitender Singh Yadav	Public Relations Officer
Sh. Ankit Pannu	System Analyst-cum-Programmer
Ms. Renu Dagar	Assistant Law Officer

## STRENGTH OF STAFF (2023-24)

Sr. No.	Details	Count
1.	Teaching Staff	105 (Regular) +47(SFS)+38 (Contractual)
2.	Non-Teaching & Technical Staff	150 (Regular) + 5 (SFS) + 3 (Contractual)

## MEETINGS OF UNIVERSITY BODIES

Sr. No.	Name of Body	Meeting Held
1.	University Court	12 <sup>th</sup> meeting held on 29.03.2024
2.	Executive Council	48 <sup>th</sup> meeting held on 10.10.2023 49 <sup>th</sup> meeting held on 18.01.2024 50 <sup>th</sup> meeting held on 29.03.2024 51 <sup>st</sup> meeting held on 24.06.2024
3.	Academic Council	28 <sup>th</sup> meeting held on 10.10.2023 29 <sup>th</sup> meeting held on 07.06.2024
4.	Finance Committee	17 <sup>th</sup> meeting held on 27.03.2024

## BODIES OF UNIVERSITY

YMCA University of Science & Technology, Faridabad Act, 2009(Haryana Act No. 21 of 2009)  
(Gazette Notification No. Leg. 29/2009, dated 16.9.2009)

### 1 The University Court

Section-14 of the University Act:

The Court shall have the following powers and functions, namely:

- To review, from time to time, the broad policies, and programmes of the University and to suggest measures for the improvement and development of the University;
- To consider and pass a resolution of the annual report, annual budget, and the annual accounts of the University and on the audit report of such accounts;
- To advise the Chancellor in respect of any matter which may be referred to it for advice; and
- To perform such other functions, as may be prescribed by the statutes.

FORMATION OF COURT				
Sr. No.	Membership	Duration		
		From	Till	
1	Vice Chancellor	Ex-Officio Member		
2	Secretary to Govt., Finance Department, Haryana	Ex-Officio Member		
3	Secretary to Govt., Technical Education, Haryana	Ex-Officio Member		
4	Director General –Technical Education, Haryana	Ex-Officio Member		
5	Legal Remembrance, Haryana	Ex-Officio Member		
6	Dean – Faculty of Engineering and Technology	Ex-Officio Member		
7	Dean – Faculty of Management Studies	Ex-Officio Member		
8	Dean – Faculty of Sciences	Ex-Officio Member		
9	Dean – Faculty of Informatics and Computing	Ex-Officio Member		
10	Dean – Faculty of Liberal Arts & Media Studies	Ex-Officio Member		
11	Dean – Faculty of Life Sciences	Ex-Officio Member		
12	Dean – Faculty of Interdisciplinary Studies& Research	Ex-Officio Member		
13	Controller of Examinations/Dean Examinations	Ex-Officio Member		
14	Registrar	Ex-Officio Member		
15	Dy. Librarian	Ex-Officio Member		
16	Assistant Law Officer	Ex-Officio Member		
17	Prof. Rajbir Singh, Vice Chancellor, Maharishi Dayanand University, Rohtak (Haryana)	31.08.2022	30.08.2024	
18	Prof. Sukhbir Kaur, Department Of Zoology, Panjab University, Chandigarh	31.08.2022	30.08.2024	

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19	Prof. Rajendra Kumar Anayath, Vice Chancellor, Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat	31.08.2022	30.08.2024
20	Prof. Raj Kumar Mittal, Vice Chancellor, Chaudhary Bansi Lal University, Bhiwani (Haryana)	31.08.2022	30.08.2024
21	Prof. Baldev Setia, Director, Punjab Engineering College, Chandigarh	31.08.2022	30.08.2024
22	Dr. Anju Gupta, Professor-Electrical Engg.	31.08.2022	30.08.2024
23	Dr. Neelam Turk, Professor-Electronics Engg.	31.08.2022	30.08.2024
24	Dr. Sanjeev Kumar, Professor-Mech. Engg.	31.08.2022	30.08.2024
25	Dr. Pradeep Kumar, Professor-Electronics Engg.	31.08.2022	30.08.2024
26	Dr. Neetu Gupta, Professor-Mathematics	31.08.2022	30.08.2024
27	Dr. Manisha Goel, Associate Professor-Mgmt Studies	31.08.2022	30.08.2024
28	Dr. Anuradha Sharma, Associate Professor-Physics	31.08.2022	30.08.2024
29	Sh. Bharat Bhushan, Assistant Professor- Electronics Engg.	31.08.2022	30.08.2024
30	Mrs. Nitin Sachdeva, Assistant Professor- Electronics Engg.	31.08.2022	30.08.2024

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## 2 Planning Board of the University

Section-25 of University Act (Statutes):

- The Planning Board shall advice on the planning and development of the University particularly in respect of the standard of education and research in the University.
- The recommendations of the Board shall be implemented after they are approved by the appropriate authorities of the University.

### CONSTITUTION OF PLANNING BOARD

Sr. No.	Membership	Duration	
		From	Till
1	Vice Chancellor	Ex-Officio Chairman	
2	Secretary to Govt., Finance Deptt, Haryana or Nominee	Ex-Officio Member	
3	Secretary to Govt, Technical Education Deptt, Haryana or Nominee	Ex-Officio Member	
4	Director General-Technical Education, Haryana or Nominee	Ex-Officio Member	
5	Controllor of Finance, J C Bose UST	Ex-Officio Member	
6	Prof. Vivek Kumar, Professor, Centre for Rural Development and Technology, Indian Institute of Tech., Delhi, Hauz Khas, New Delhi (Nominee of AICTE)	30.01.2023	29.01.2025
7	Dr. Avichal Kapur, Joint Secretary, University Grants Commission, Bahadur Shah Zafar Marg, New Delhi (Nominee of UGC)	30.01.2023	29.01.2025
8	Prof. (Dr.) Sat Prakash Bansal, Vice Chancellor, Central University of Himachal Pradesh, Dharamshala, Distt- Kangra, (H. P.)	30.01.2023	29.01.2025
9	Prof. B.V Ramana Reddy, Director of National Institute of Technology, Kurukshetra	30.01.2023	29.01.2025
10	Prof. S.S. Patnaik, Director, NITTTR, Chandigarh	30.01.2023	29.01.2025
11	Dr. Shimla, Former Registrar, J.C. Bose University of	30.01.2023	29.01.2025
12	Registrar	Ex-Officio Member- Secretary	

### 3 Executive Council of the University

Section-15 of University Act:

The Executive Council shall be the principal executive body of the University. Its constitution is as per provisions of the University Act 2009. The executive council shall exercise the following powers namely:

- To hold control and administrate the revenue property and funds of the University.
- To regulate the duties of Professors, Associate Professors, Assistant Professors, and other academic staff and Deans of the University.

FORMATION OF EXECUTIVE COUNCIL			
Sr. No.	Membership	Duration	
		From	Till
1.	Vice Chancellor & Chairman	Ex-Officio Member	
2.	Secretary to Govt.-Finance Department, Haryana	Ex-Officio Member	
3.	Secretary to Govt.-Technical Education Department, Haryana	Ex-Officio Member	
4.	Director General- Technical Education Department, Haryana	Ex-Officio Secretary	
5.	Dean – Institutions	Ex-Officio Member	
6.	Prof. Dinesh Kumar, Vice Chancellor, Gurugram University, Gurugram	31.08.2022	30.08.2024
7.	Prof. Krishan Singh Arya, Retd. Principal, DAV College, Sector- 10, Chandigarh	31.08.2022	30.08.2024
8.	Prof. S.N. Mishra, Prof. (Retd.), Dept. of Botany, Maharishi Dayanand University, Rohtak	31.08.2022	30.08.2024
9.	Prof. Tankeshwar Kumar, Vice Chancellor, Central University of Haryana, Jant-Pati, Mahendragarh (Haryana)	31.08.2022	30.08.2024
10.	Prof. Raj Kumar, Vice Chancellor, Panjab University, Chandigarh	31.08.2022	30.08.2024
11.	Prof. Som Nath Sachdeva, Vice Chancellor, Kurukshetra University, Kurukshetra	31.08.2022	30.08.2024
12.	Prof. Neelam Turk, Dean – FIDSR	31.08.2022	30.08.2024
13.	Prof. Anuradha Sharma, Dean- FLAMS & FOLS	31.08.2022	30.08.2024
14.	Prof. Munish Vashishth, Electronics Engg.	31.08.2022	30.08.2024
15.	Prof. Manjeet Singh, Computer Application	31.08.2022	30.08.2024
16.	Registrar	Ex-Officio Secretary	

## 4 Finance Committee of the University

FINANCE COMMITTEE OF THE UNIVERSITY			
Sr. No.	Membership	Duration	
		From	Till
1	Vice Chancellor	Ex-Officio Member	
2	Secretary to Govt., Finance Department, Haryana	Ex-Officio Member	
3	Secretary to Govt., Technical Education Department, Haryana	Ex-Officio Member	
4	Director General-Technical Education Department, Haryana	Ex-Officio Member	
5	Controller of Finance, J.C. Bose UST, YMCA	Ex-Officio Member	
6	Registrar- J.C. Bose, UST, YMCA	Ex-Officio Member Secretary	
7	Prof. Ashutosh Nigam, Dean-FOMS	26.03.2024	25.03.2026
8	Prof. Neetu Gupta, Dean-FOS & FOLS	26.03.2024	25.03.2026
9	Prof. R K Mittal, Former Vice-Chancellor, CBLU, Bhiwani (Haryana) (Nominee – Governor)	26.03.2024	25.03.2026
10	Prof. N K Bishnoi, Deptt of Business Economics, GJUS&T, Hisar (Haryana) (Nominee – Governor)	26.03.2024	25.03.2026

## 5 Academic Council

Section-16 (1) of the University Act:

- The Academic Council shall be the principal academic body of the University and shall, subject to the provisions of this Act, the Statutes and Ordinances, co-ordinate and exercise general supervision over all academic policies of the University.
- The constitution of the Academic Council, the term of its office members, and its power and functions are as per the provision of the University Act 2009.

### FORMATION OF ACADEMIC COUNCIL

Sr. No.	Membership	Duration	
		From	Till
1	Vice Chancellor	Ex-Officio Chairman	
2	Director General-Technical Education, Haryana	Ex-Officio Member	
3	Registrar- Member Secretary	Ex-Officio Member	
4	Dean-Institutions	Ex-Officio Member	
5	Dean- Faculty Engg& Tech	Ex-Officio Member	
6	Dean- Faculty of Management Studies	Ex-Officio Member	
7	Dean- Faculty of Sciences	Ex-Officio Member	
8	Dean-Faculty of Informatics and Computing	Ex-Officio Member	
9	Dean- Faculty of Liberal Arts & Media Studies	Ex-Officio Member	
10	Dean- Faculty of Life Sciences	Ex-Officio Member	
11	Dean- Faculty of Inter-disciplinary Studies & Research	Ex-Officio Member	
12	Controller of Finance	Ex-Officio Member	
13	Controller of Examinations	Ex-Officio Member	
14	Deputy Librarian	Ex-Officio Member	
15	Prof. B.S Pabla, Department of Mechanical Engg. NITTR, Chandigarh	31.08.2022	30.08.2024
16	Prof. (Dr.) R.S. Chhillar, Department of Computer Science & Applications, Maharshi Dayanand University, Rohtak- 124001	31.08.2022	30.08.2024
17	Prof. (Dr.) Sunita Srivastava, Dept. of Physics & Astrophysics, Central University of Haryana, Jant-Pali, Mahendragarh (Haryana)	31.08.2022	30.08.2024
18	Prof. (Dr.) M.K. Soni, Pro Vice Chancellor, Manav Rachna International Institute of Research & Studies, Faridabad	31.08.2022	30.08.2024
19	Prof. Pawan Kumar Sharma, Department Of Chemistry, Kurukshetra University, Kurukshetra	31.08.2022	30.08.2024
20	Prof. Rajesh Dhankhar, Deptt, of Environmental Sciences, Maharshi Dayanand University, Rohtak	31.08.2022	30.08.2024

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21	Mr. Yognider Pal Singh, Director, Kapayo Solutions Pvt. Ltd., 1797, Kotla Mubrakpur Opp. D-42, South Extension-1, New Delhi- 110003	31.08.2022	30.08.2024
22	Prof. P. Sasikala Ramachandaran, Head, Department Of New Media, M.C. University of Journalism & Communication, Bhopal (M.P.)	31.08.2022	30.08.2024
23	Dr. Raj Kumar, Professor- FET	31.08.2022	30.08.2024
24	Dr. Ashutosh Dixit, Professor- FIC	31.08.2022	30.08.2024
25	Dr. Ashutosh Nigam, Professor- FMS	31.08.2022	30.08.2024
26	Dr. Neetu Gupta, Professor- FOS	31.08.2022	30.08.2024
27	Dr. Manisha Goyal, Associate Professor- FMS	31.08.2022	30.08.2024
28	Dr. Anuradha Sharma, Associate Professor- FOS	31.08.2022	30.08.2024
29	Dr. Sandhya Dixit, Associate Professor- FET	31.08.2022	30.08.2024
30	Dr. Sapna Gambhir, Associate Professor- FIC	31.08.2022	30.08.2024
31	Dr. Pawan Malik, Associate Professor- FLAMS	31.08.2022	30.08.2024
32	Dr. Kakoli Dutt, Associate Professor- FLS	31.08.2022	30.08.2024
33	Mr. Bharat Bhushan, Assistant Professor- FET	31.08.2022	30.08.2024
34	Mrs. Poonam, Assistant Professor- FIC	31.08.2022	30.08.2024
35	Dr. M.K. Yadav, Assistant Professor- FOS	31.08.2022	30.08.2024
36	Dr. Renu Aggarwal, Assistant Professor- FMS	31.08.2022	30.08.2024
37	Dr. Deepansh Sharma, Assistant Professor- FLS	31.08.2022	30.08.2024

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# **Filled and Unfilled Faculty & Staff Positions**

## Department and Course-Wise Faculty Positions and Status (01.07.2023 - 30.06.2024)

Department	Course	Aided/ Self-Financed	Post	Sanctioned	Filled
<b>Mechanical Engg.</b>	B.Tech. - ME	Aided Course	Professor	4	4
			Associate Professor	8	7
			Assistant Professor	17	15
	B.Tech. (Robotics and AI)	Aided Course	Associate Professor	1	0
			Assistant Professor	4	0
	B.Tech. - ME (Hindi)	Aided Course	Assistant Professor	2	0
	M.Tech.	Self-Financed	Professor	1	0
			Associate Professor	1	0
			Assistant Professor	1	1
	<b>Computer Engg.</b>	B.Tech.	Aided Course	Professor	2
Associate Professor				4	3
Assistant Professor				9	9
B.Tech. (CE)		Aided Course	Associate Professor	1	0
			Assistant Professor	6	0
B.Tech. (Data Science)		Aided Course	Associate Professor	1	0
			Assistant Professor	6	0
B.Tech. - CE (Hindi)			Associate Professor	1	0
			Assistant Professor	3	0
M.Tech.		Self-Financed	Professor	2	0
			Associate Professor	2	0
			Assistant Professor	2	2
IT (B.Tech.)		Self-Financed	Professor	2	0
			Associate Professor	4	0
			Assistant Professor	9	8
IT (M.Tech)		Self-Financed	Professor	1	0
			Associate Professor	1	0
	Assistant Professor		1	1	
<b>Computer Applications</b>	BCA	Aided Course	Associate Professor	1	0
			Assistant Professor	4	0
	B.Sc - Animation and Multimedia	Aided Course	Assistant Professor	3	0
	M.Sc - Animation and multimedia	Aided Course	Professor	1	0
			Associate Professor	1	0

			Assistant Professor	1	0
	MCA	Self-Financed	Professor	1	0
			Associate Professor	2	1
			Assistant Professor	4	4
<b>Electronics Engineering</b>	B.Tech. - EIC	Aided Course	Professor	2	1
			Associate Professor	4	3
			Assistant Professor	10	10
	B.Tech - Electronics & Comp. Engg.	Aided Course	Associate Professor	2	0
			Assistant Professor	6	0
	B.Tech.	Self-Financed	Professor	3	0
			Associate Professor	5	1
			Assistant Professor	10	9
	M.Tech.	Self-Financed	Professor	2	0
			Associate Professor	2	1
			Assistant Professor	2	2
<b>Electrical Engineering</b>	B.Tech.	Aided Course	Professor	1	1
			Associate Professor	4	3
			Assistant Professor	9	8
	M.Tech - PSD	Self-Financed	Professor	1	0
			Associate Professor	1	0
			Assistant Professor	1	1
<b>Humanities &amp; Sciences</b>	Teachers appointed against HAS service in various Department	Aided Course	Assistant Professor	10	10
		Self-Financed	Professor	5	0
			Associate Professor	5	1
			Assistant Professor	14	7
<b>MBA</b>	MBA	Self-Financed	Professor	1	1
			Associate Professor	2	2
			Assistant Professor	5	5
<b>Chemistry</b>	M.Sc.	Aided Course	Professor	1	1
			Associate Professor	1	0
			Assistant Professor	6	4
	B.Sc.	Aided Course	Professor	0	0
			Associate Professor	1	1
			Assistant Professor	6	3

<b>Environmental Sciences</b>	M.Sc.	Aided Course	Professor	1	0
			Associate Professor	1	1
			Assistant Professor	4	3
<b>Physics</b>	B.Sc.	Aided Course	Professor	0	0
			Associate Professor	1	0
			Assistant Professor	6	5
<b>Mathematics</b>	B.Sc.	Aided Course	Professor	0	0
			Associate Professor	1	0
			Assistant Professor	6	5
<b>Civil Engineering</b>	B.Tech	Aided Course	Professor	1	0
			Associate Professor	2	1
			Assistant Professor	4	2
	B.Tech. - Civil Engg	Aided Course	Assistant Professor	2	0
	B.Tech. - Environmental Engg.	Aided Course	Associate Professor	1	0
			Assistant Professor	4	0
<b>Life Sciences</b>	M.Sc. (Bio-Tech)	Aided Course	Professor	1	0
			Associate Professor	2	1
			Assistant Professor	4	1
	M.Sc. (Microbiology)	Aided Course	Professor	1	0
			Associate Professor	2	0
			Assistant Professor	4	1
<b>Interdisciplinary Studies</b>	M.Tech- Energy and Environmental Engg.	Aided Course	Associate Professor	1	0
			Assistant Professor	1	0
<b>Communication and Media Tech.</b>	Bacholor of Social Works	Aided Course	Assistant Professor	3	0
			BA - JMC	Aided Course	Associate Professor
			Assistant Professor	3	0
	MA - JMC	Aided Course	Associate Professor	1	0
			Assistant Professor	1	0
<b>Business Studies</b>	B.Com - (Hons)	Aided Course	Associate Professor	1	0
			Assistant Professor	4	0

## Non- Teaching/ Administrative/ Technical Staff (2023-24)

Sr. No.	Name of Post	Pay Band	Sanctioned	Filled	Lying Vacant
1.	Vice Chancellor	HAG	1	1	0
2.	Registrar	FPL-19	1	0	1
3.	Controller of Finance	FPL-19	1	1	0
4.	Controller of Exam	FPL-19	1	1	0
5.	TPO	FPL-19	1	0	1
6.	Librarian	FPL-19	1	0	1
7.	Dy. Registrar	FPL-12	6	4	2
8.	Workshop Supdt.	FPL-12	1	1	0
9.	System Manager	FPL-12	1	0	1
10.	Asstt. Librarian	FPL-11	1	1	0
11.	Executive Engineer (Civil)	FPL-11	1	1	0
12.	Assistant Registrar	FPL-10	6	3	3
13.	Asstt. Director Sports	FPL-9	1	0	1
14.	Medical Officer	FPL-10	1	1	0
15.	Head of Section	FPL-9	7	7	0
16.	System Analyst-cum-Programmer	FPL-9	1	1	0
17.	Public Relation Officer	FPL-9	1	1	0
18.	SDE (Civil)	FPL-9	1	0	1
19.	Assistant Law Officer	FPL-7	1	1	0
20.	Junior Programmer	FPL-7	2	0	2
21.	Sr. Instructor	FPL-6	8	8	0
22.	Superintendent	FPL-7	8	3	5
23.	PS to VC	FPL-6	1	0	1
24.	Dy. Supdt	FPL-6	12	3	9
25.	Personal Assistant	FPL-6	3	3	0
26.	Accountant	FPL-6	1	0	1
27.	J.E. (Electrical)	FPL-6	1	1	0
28.	J.E (Civil)	FPL-6	1	1	0
29.	Assistant	FPL-6	21	17	4
30.	Cashier	FPL-6	1	1	0
31.	Nurse	FPL-6	1	1	0
32.	Instructors	FPL-6	16	15	1
33.	Technician	FPL-6	8	5	3

34.	Technical Assistant (Hardware)	FPL-6	1	0	1
35.	Technical Assistant (Networking)	FPL-6	1	0	1
36.	Lab Technician	FPL-6	3	2	1
37.	Sr. Stenographer	FPL-6	5	5	0
38.	Dispenser	FPL-6	1	1	0
39.	Electrician	FPL-4	3	3	0
40.	Electrician- Gr-I	FPL-4	1	1	0
41.	Driver	FPL-4	2	2	0
42.	Lineman	FPL-4	1	0	1
43.	Plumber Gr.-II	FPL-4	1	1	0
44.	Library Attendant-cum-Restorer	FPL-2	1	1	0
45.	Lab Assistant	FPL-2	14	12	2
46.	Library Assistant	FPL-2	1	0	1
47.	Library Counter Clerk	FPL-2	3	2	1
48.	Clerk	FPL-2	45	21	24
49.	Storekeeper	FPL-2	2	1	1
50.	Carpenter	FPL-2	1	1	0
51.	Matron	FPL-2	1	0	1
52.	Generator Operator	FPL-2	1	1	0
53.	Male Dispensary Attendant	FPL-DL	1	0	1
54.	Peon	FPL-DL	14	7	7
55.	Helper/ Attendant	FPL-DL	14	7	7
56.	Lab Attendant	FPL-DL	9	0	9
57.	Girls Hostel Attendant (Female)	FPL-DL	3	0	3
58.	Medical Officer (Part-Time) Male	20,000/- pm consolidated	1	0	1
59.	Medical Officer (Part-Time) Female	20,000/- pm consolidated	1	0	1
<b>TOTAL (AIDED)</b>			<b>250</b>	<b>150</b>	<b>100</b>

# **Research Activities**

## RESEARCH ACTIVITIES

### INTRODUCTION

Research and Development (R&D) Cell oversees the research related activities of the University to promote research, innovation & entrepreneurship as well as ensure that the outcomes of the same benefit the society. Major objectives of R&D section can be summarized as

- i. To explore technological development opportunities in common application areas for the welfare of the people of our country.
- ii. To encourage and incentivize faculty members of the university for research publications in SCI and Scopus Index or other equivalent peer-reviewed / reputed/ prestigious indexed journals.
- iii. To organize research promotion events like summits, conferences, seminars, workshops, expert lectures and panel discussion through talks with eminent personalities from reputed institutions and industries etc.
- iv. To motivate faculty members, research scholars, staff and students to apply for patent and also encourage to present research papers in national and international conferences/workshops.
- v. To provide appropriate facilities and infrastructure for the advancement of research.
- vi. To take Initiatives for signing MoU's with reputed national/international institutions and industries for collaborative consultancy and research projects, etc.
- vii. To identify the technical problems faced by the industry and find effective solutions for the same through research projects and consultancy work, etc.

### CONSTITUTION

Sr. No.	Name and Designation	Responsibility
1.	Dr. Maneesha Garg, Professor	Director
2.	Dr. Rajeev Kumar Saha, Associate Professor	Deputy Director

## CONSTITUTION OF VARIOUS COMMITTEES UNDER R &amp; D CELL

Committee Name	Key Functions of Committee	Committee Members
Research Programs	<ul style="list-style-type: none"> <li>• Ph.D. Admissions</li> <li>• Database of Ph.D. scholars and Research guides</li> <li>• Monitoring</li> <li>• Ethics</li> <li>• Ph.D submission and Award</li> </ul>	<ol style="list-style-type: none"> <li>1. Dr. Harish Kumar, CE Incharge</li> <li>2. Dr. Preeti, CE Coordinator</li> <li>3. Dr. Arun Kumar, Phy</li> <li>4. Dr. Vedpal, CA</li> <li>5. Sh. Prashant, Electronins</li> <li>6. Dr. Saakshi, Electrical</li> <li>7. Dr. Renu, Mgmt. Studies</li> </ol>
Research Infrastructure and Finance	<ul style="list-style-type: none"> <li>• Development of Research Infrastructure and Facilities</li> <li>• Guidelines for their use</li> <li>• Research Budget</li> <li>• Research scholarships</li> </ul>	<ol style="list-style-type: none"> <li>1. Dr. Ravi Kumar, Chem., Incharge</li> <li>2. Dr. Somvir Bajar, EVS, Coordinator</li> <li>3. Dr. Payal, CE</li> <li>4. Sh. Yogesh Maurya, Civil</li> </ol>
Policies	<ul style="list-style-type: none"> <li>• Research and Consultancy policies and their revision from time to time</li> <li>• Other policies e.g. related to ethics, plagiarism, paper presentation abroad etc.</li> </ul>	<ol style="list-style-type: none"> <li>1. Dr. C.K. Nagpal, CE, Incharge</li> <li>2. Dr. Sunil, Chem</li> <li>3. Dr. Sonia Hooda, CMT</li> </ol>
Collaboration and Industry linkage, Consultancy	<ul style="list-style-type: none"> <li>• MoU with Industry/Institution and Labs</li> <li>• Research project for social/community benefit</li> <li>• Research related Training/Internship opportunities for faculty and students</li> <li>• Consultancy assignments</li> </ul>	<ol style="list-style-type: none"> <li>1. Dr. Rashmi, CE, Incharge</li> <li>2. Dr. Jyotsana, Mgmt. Studies, Coordinator</li> <li>3. Dr. Sangeeta, Electronics</li> <li>4. Sh. Piyush, CE</li> <li>5. Ms. Shikha, CE</li> <li>6. Ms. Renu Dagar, ALO</li> </ol>

IPR, Innovation and Startup/ Incubation	<ul style="list-style-type: none"> <li>• Patent filling guidance and support</li> <li>• Start up and Innovation</li> <li>• Coordinate with IIC</li> <li>• Program/activities for enabling ecosystem for innovation and Startup activities</li> </ul>	<ol style="list-style-type: none"> <li>1. Dr. Sanjeev Goel, Mech, Incharge</li> <li>2. Dr. Sapna, Mgmt. Studies, Coordinator</li> <li>3. Dr. Rashmi Chawla, Electronics</li> <li>4. Dr. Krishan Verma, ME</li> <li>5. Dr. Ashlesha, CE</li> <li>6. Dr. Neha, Mgmt. Studies</li> </ol>
Research Proposals	<ul style="list-style-type: none"> <li>• Nodal point for sending research proposals and support during the project</li> </ul>	<ol style="list-style-type: none"> <li>1. Dr. Yogendra Arya, Electrical, Incharge</li> <li>2. Dr. Anurag Prakash Sunda, Chem, Coordinator</li> <li>3. Dr. Deepansh, Life Sc.</li> <li>4. Dr. Shefali Dixit, Mech</li> <li>5. Dr. Lalit Mohan, CE</li> </ol>
Research Information & Dissemination	<ul style="list-style-type: none"> <li>• Gather research related information from different sources like AICTE, UGC, DST, etc and disseminate the same to faculty and students</li> <li>• Database for research publications of faculty and students</li> <li>• Provide data related to any accreditation</li> <li>• Maintain RDC web site</li> <li>• Development of Research Information system</li> </ul>	<ol style="list-style-type: none"> <li>1. Dr. Shailender, Electronics, Incharge</li> <li>2. Dr. Poonam, CE, Coordinator</li> <li>3. Dr. Deepika, CE, Coordinator</li> <li>4. Dr Umesh, CE</li> <li>5. Ms. Manju, Electronics</li> </ol>
Research Promotion	<ul style="list-style-type: none"> <li>• Research awards</li> <li>• Providing seed money to the projects</li> <li>• Publication grant for Conferences, etc.</li> <li>• Partial support for international conferences, travel, registration</li> <li>• Monitoring the research grants such as RUSA, etc.</li> </ul>	<ol style="list-style-type: none"> <li>1. Dr. Kakoli Dutt, Life Sc., Incharge</li> <li>2. Dr. SitaRam, Chem., Coordinator</li> <li>3. Dr. Sheilza, Electronics</li> <li>4. Dr. Parveen Kumar, Phy.</li> </ol>

Research Events	<ul style="list-style-type: none"> <li>• Conduct research related colloquiums, seminars, workshops, refresher courses, etc.</li> </ul>	<ol style="list-style-type: none"> <li>1. Dr. Sonia, Phy, Incharge</li> <li>2. Dr. Sushil Kumar, CE, Coordinator</li> <li>3. Dr. Nobel Tomar, Chem</li> <li>4. Dr. Rewa, CE</li> <li>5. Dr. Arpita, Maths</li> </ol>
Legal Matters and Consolidation	<ul style="list-style-type: none"> <li>• Frame replies for RDC related RTIs</li> <li>• Detailed function wise consolidation for reporting in Annual report</li> </ul>	<ol style="list-style-type: none"> <li>1. Dr. Anuj, Phy, Incharge</li> <li>2. Dr. Shruti, CE, Coordinator</li> <li>3. Dr. Reena Grewal, Eng</li> <li>4. Dr. Parveen, Maths</li> <li>5. Ms. Renu Dagar, ALO</li> </ol>

### MEETINGS DURING THE YEAR

Sr. No.	Date of Meeting	Agenda of Meeting
1	01.09.2023	52nd RDC Meeting
2	03.10.2023	Meeting for reviewing of thesis
3	27.10.2023	Meeting to review the progress of international conference 2024
4	07.12.2023	Meeting of MOU Advisory Committee
5	19.12.2023	Meeting of MOU Advisory Committee
6	09.01.2024	Meeting of RASTS-2024
7	06.02.2024	Meeting of MOU Advisory Committee
8	29.01.2024	53rd RDC Meeting
9	27.03.2024	Meeting of Publication in Open Access
10	01.09.2024	Meeting of MOU Advisory Committee
11	24.04.2024	Meeting of MOU Advisory Committee
12	02.05.2024	Meeting of Publication in Open Access
13	31.05.2024	Meeting of MOU Advisory Committee
14	16.05.2024	54th RDC Meeting

**PROGRAM-WISE TOTAL Ph.D. ENROLMENT & ADMISSIONS DURING YEAR**

Sr. No.	Name of Ph.D. Program	No. of Admissions
1	Ph.D. (Chemistry)	1
2	Ph.D. (Computer Engineering)	2
3	Ph.D. (Civil Engineering)	1
4	Ph.D. (Environmental Science)	2
5	Ph.D. (Management)	5
6	Ph.D. (Mechanical)	1
7	Ph.D. (Physics)	2
8	Ph.D.(Communication and Media Technology)	1
9	Ph.D. (Microbiology)	2
10	Ph.D. (Biotechnology)	3

**EVENTS / ACTIVITIES/ACHIEVEMENTS DURING YEAR**

Sr. No.	Name of Activity	Date	Beneficiary Count
1	Colloquium-V 'Approaches to International Scientific Cooperation' by Dr. S. K. Varshney, Adviser & Head - International Cooperation, Department of Science & Technology, Government of India	17.10.2023	150
2	Colloquium- VI- Environment and Sustainable Development Growth by Dr. S. S. Teotia, Adjunct Faculty in Department Of EVS	12.04.2024	100
3	Doctoral Colloquium-I by Faculty of Sciences & Life Sciences	28.11.2023	95
4	Doctoral Colloquium-II by Faculty of Sciences & Life Sciences	21.12.2023	105
5	Doctoral Colloquium-III by Faculty of Sciences & Life Sciences	15.01.2023	85
6	Doctoral Colloquium – IV by Faculty of Sciences & Life Sciences	06.02.2024	63
7	Doctoral Colloquium- V by Electronics Engineering	04.03.2024	70
8	Doctoral Colloquium -VI by Electronics Engineering	18.03.2024	60
9	Doctoral Colloquium-VII by Electronics Engineering	01.04.2024	67

**EVENTS / ACTIVITIES/ACHIEVEMENTS DURING YEAR**

Sr. No.	Title of the project	Granted To	Agency	Dept.	Year	Amount
1.	Volatile Organic compounds in Ambient Air: Source Apportionment and DFT Quantum Analysis for NCR Region	Dr. Somvir Bajar (PI) & Dr. A. P. Sunda (Co-PI)	HSCIT	Environmental Sciences & Chemistry	Feb.-24	30 Lakhs
2.	Design and Development of nano antenna Sensor System for Real Time Analysis in Smart Agriculture	Dr. Preet Kaur (PI) & Dr. Sonia (CO-PI)	HSCIT	Electrical Engg. & Physics	Feb.-24	40 Lakhs

# **Faculty of Engineering & Technology**

# DEPARTMENT OF MECHANICAL ENGINEERING

**Chairperson: Prof. Arvind Kumar**

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	B.Tech. in Mechanical Engineering B.Tech. in Robotics & Artificial Intelligence B.Tech. in Mechanical Engineering (Hindi Medium)
2	Minor Degree	Robotics
3	Post Graduate	M.Tech. in Manufacturing & Automation Technology
4	Doctoral	Ph.D. (Mechanical Engineering)

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Sandeep Grover	Ph.D.	Professor	Industrial Engineering, Quality Management	17.07.1995
2	M. L. Aggarwal	Ph.D.	Professor	Mechanical Design, Mechatronics	23.11.1989
3	Tilak Raj	Ph.D.	Professor	FMS, Cutting Tools Design	24.09.1991
4	Raj Kumar	Ph.D.	Professor	Thermal Engineering	31.08.2004
5	Vikram Singh	Ph.D.	Professor	Quality Management	01.08.2002
6	Arvind Gupta	Ph.D.	Professor	Thermal Engineering, CFD	24.02.2006
7	Hari Om	Ph.D.	Professor	Welding Engineering	19.07.2004
8	Lakhwinder Singh	Ph.D.	Professor	Material Technology, Fluid Dynamics	01.08.2002
9	Vikas Kumar	Ph.D.	Professor	JIT Manufacturing	01.08.2002
10	Sanjeev Kumar	Ph.D.	Professor	Industrial Engineering	19.06.2012
11	Vasdev Malhotra	Ph.D.	Professor	Advanced Manufacturing & Automation	06.01.2006
12	Sandhya Dixit	Ph.D.	Professor	Thermal Engineering, Industrial Engineering	03.01.2006
13	Sanjeev Goyal	Postdoc	Associate Professor	Robotics & Automation	11.01.2007
14	Nikhil Dev	Ph.D.	Associate Professor	Thermal Engineering	10.09.2008
15	Bhaskar Nagar	Ph.D.	Associate Professor	Mechanical Design, CAE	02.09.2008
16	Rajeev Saha	Ph.D.	Associate Professor	Operation Management, Web	09.09.2008
17	Mukesh Gupta	Ph.D.	Assistant Professor	CAD/CAM, Power Plant	10.09.2008

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
18	Rajesh Attri	Ph.D.	Assistant Professor	Quality Management, Operation Management	01.01.2009
19	Krishan Verma	Ph.D.	Assistant Professor	CAD/CAM, FEA, Mechanical Design	06.01.2010
20	Mahesh Chand	Ph.D.	Assistant Professor	Industrial Engineering, Supply Chain, MCDM	18.01.2010
21	O. P. Mishra	Ph.D.	Assistant Professor	Mechanical Design, Supply Chain, JIT	14.02.2011
22	Surender Singh	M.Tech.	Assistant Professor	Industrial Engineering	15.02.2011
23	Bhupender Singh	Ph.D.	Assistant Professor	Industrial Engineering	17.02.2011
24	Shefali Trivedi	Ph.D.	Assistant Professor	Mechanical Metallurgy	22.03.2012
25	Sanjay Kumar	Ph.D.	Assistant Professor	Advanced Manufacturing Technology	02.04.2012
26	Nitin Panwar	Ph.D.	Assistant Professor	Thermal Engineering	03.03.2014

### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Sapna	Clerk	Post Graduate (MBA)	26.05.2020
2	Heera Lal	Peon	12th	15.02.1991
3	Satish	Helper	10th	HKRNL

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	08
2	Publications in National Journals	–
3	Papers presented at International Conferences	09
4	Papers presented at National Conferences	–

### 5 List of Publications

1. S. Singh, **R. K. Attri**, **S. Trivedi**; Optimization of nano-graphene loading in PLA-graphene composites for fused deposition modeling based application. *Journal of Mechanical Science and Technology*, Vol. 38, pp. 2901-2908 (2024).
2. N. Chauhan, V. Kumar, **S. Dixit**; To achieve sustainability in supply chain with Digital integration: A TISM approach. *International Journal of experimental research and review*, Vol. 30, pp. 442-451 (2023).
3. D. K. Yadav, P. K. S. Rathore, R. K. Singh, **A. K. Gupta**, Basant Singh Sikarwar; Experimental Study on Paraffin Wax and Soya Wax Supported by High-Density Polyethylene and Loaded with Nano-Additives for Thermal Energy Storage. *Journal of Energies*, Vol. 17, pp. 2461-2468 (2024).
4. V. K. Ojha, **S. Goel**, **M. Chand**; Data driven decision making in advanced manufacturing systems: modeling and analysis of critical success factors. *Journal of Decision Systems*, (2024), Vol. 33, pp. 645-673 (2024).
5. X. Shu, R. Kumar, **R. K. Saha**, **N. Dev**, Ž Stević; Sustainability Assessment of Energy Storage Technologies Based on Commercialization Viability: MCDM Model. *Sustainability*, Vol. 15, pp. 4707-18 (2023).

6. R. Sharma, S. Kumar, R. Saha; Enhancing surface quality of SLM produced AlSi10Mg components through chemical polishing. *International Journal of System Assurance Engineering and Management*, Vol. 14, pp. 1955-1960 (2023).
7. **O. P. Mishra, M. Chand, K. Kumar, P. Mishra**; Investigating applicability of green supply chain management in manufacturing sectors. *International Journal of System Assurance Engineering and Management*, Vol. 14, pp. 1183-1196 (2023).
8. Attri R., Vikas; Prioritisation of key readiness factors to adopt Industry 4.0 in manufacturing organisations using select MCDM approaches. *International Journal of Process Management and Benchmarking*, Vol. 13, pp. 303-334 (2023).

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Resource person	Dates and Duration	Beneficiary Count
1	Expert Lecture on Energy Conservation for Sustainable Society	Prof. Arvind Kumar	06.10.2023	64
2	Expert Lecture on Design of a Multitask Cutting Tool	Prof. Tilak Raj	25.01.2024	98
3	Expert Lecture on Sustainability through the adoption of circular economy	Prof Vasdev Malhotra	25.01.2024	48
4	Expert Lecture on Thermal Energy Management	Prof. Arvind Kumar	13.02.2024	60
5	Expert Lecture on Hydraulics and Pneumatics System	Mr Govind Sharma (CRISP, Bhopal)	06.02.2024	45
6	Expert Lecture on Energy Management	Dr Nikhil Dev	16.02.2024	80
7	Expert Lecture on CNC Technology	Dr. Rajesh Attri	19.02.2024	75
8	Expert Lecture on Unlocking Insights: A Journey Through Machine Learning and Regression Techniques	Dr. Sanjeev Goyal	27.02.2024	150
9	Expert Lecture on Aircraft Technology	Dr. Krishan Verma	28.02.2024	80
10	Expert Lecture on Flexible Automation for World Class Industries	Dr. Sandhya Dixit	07.03.2024	70
11	Expert Lecture on Indian Traditional Knowledge: Science and Technology	Dr. Shefali Trivedi	11.03.2024	60
12	Expert Lecture on Visionary Learning in Manufacturing	Mr T S Rana, Anand Automative Pvt Ltd	14.03.2024	100
13	Expert Lecture on Solar Energy	Dr. Nitin Panwar	21.03.2024	10
14	Expert Lecture on Green Manufacturing in Industry	Surender Singh	16.04.2024	50
Sr. No.	Particulars	Resource person	Dates and Duration	Beneficiary Count
15	Expert Lecture on What kind of machines can be accepted by human psychology?	Prof. Satoru Shibata, Graduate School of Science and Engineering, Ehime University, Japan	19.04.2024	60
16	Expert Lecture on Energy from Bio-mass Conversion	Dr. R.K. Yadav, Indraprastha Power Generation Co. Ltd., Delhi	26.04.2024	40
17	Expert Lecture on Industry 4.0 Technologies for Smart Manufacturing	Dr. Rajeev Saha	20.05.2024	82

**7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff**

Sr. No.	Particular	Number
1	STCs/STPS	--
2	Workshops	--
3	Conferences	--
4	FDPs	--

**8 Patents Published/ Granted during the year**

Sr. No.	Name of Faculty	Patent Title	Date of Award	Patent Granting Body	Status (Published/Granted)
1	Prof. M. L. Aggarwal	Machine Learning based device for sorting plastic waste	24.08.2023	Indian Patent Office	Granted
2	Prof. M. L. Aggarwal Dr. Krishan Kumar	Leaf Spring Suspension System for E-Rickshaw	08.05.2024	Indian Patent Office	Granted

**9 Details of Industrial/Site Visits organized**

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinators	No. of Students
1	Vee-Gee Industrial Enterprises, Pvt.Ltd. Prithla, Palwal	02.04.2024	Dr. Mahesh Chand	50

**10 Sponsored R & D Projects**

NIL

**11 List of Consultancy Projects Completed**

NIL

**12 List of PhD completed in the Department**

NIL

**13 Awards/ Achievements of the Faculty/Staff/Students**

NIL

**14 Placement details of Students**

Sr. No.	Name of Program	No. of Eligible Students	No. of students placed	Highest package	Average package
1	B.Tech. (Mech. Engg.)	104	88	8.5 LPA	6.2 LPA

**15 Major Recruiters**

NIL

**16 Major Equipment's/ Software's purchased**

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	CATIA Software in CAD Lab	22 Lakhs	2023-24

**17 Higher Education data of students**

NIL

**18 Academic and Extension activities**

NIL

**19 Faculty served as Invited Speaker/Chair/Resource Person**

Sr. No.	Name of Faculty	Topic	Venue	Date
1	Dr. Rajeev Saha	Quality and standards in Research: Practices and Documentation for NAAC	Shri Vishwakarma Skill University, Dudhola (Palwal)	05.09.2023
2	SLt. (Dr.) Krishan Kumar	Social Awareness & Community Development programs: Importance & Roles of NCC cadets	Centre for NCC Studies, DCRUST Murthal	08.11.2023
3	Prof. Arvind Kumar	Energy Conservation Day-2023	Institution of Engineers (India) Faridabad Chapter at J C Bose UST	14.12.2023
4	Prof. Sandeep Grover	Session Chair in ISFT-2024	J C Bose UST YMCA Faridabad	06.01.2024
5	Prof. M L Aggarwal	Session Chair in ISFT-2024	J C Bose UST YMCA Faridabad	06.01.2024
6	Prof. Vikas Turk	Session Chair in ISFT-2024	J C Bose UST YMCA Faridabad	06.01.2024
7	Prof. Tilak Raj	Session Chair in ISFT-2024	J C Bose UST YMCA Faridabad	06.01.2024
8	Prof. Hari Om	Session Chair in ISFT-2024	J C Bose UST YMCA Faridabad	06.01.2024
9	Prof. Lakhwinder Singh	Session Chair in ISFT-2024	J C Bose UST YMCA Faridabad	06.01.2024
10	SLt. (Dr.) Krishan Kumar	Weapon Training of 0.22 Rifle	Centre for NCC Studies, DCRUST Murthal	22.04.2024
11	Prof. Sandeep Grover	NAAC Awareness session	Shri Vishwakarma Skill University, Dudhola (Palwal)	28.08.2023

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12	Prof. Sandeep Grover	Outcome based Education	NITTTR Chandigarh	20.09.2023
13	Prof. Sandeep Grover	Panelist in International Conference	Lingaya's University	03.11.2023
14	Prof. Sandeep Grover	Outcome Based Education(UGC MMTTC)	Tezpur University	07.12.2023
15	Prof. Sandeep Grover	Academic Leadership, Governance and Management. (UGC MMTTC)	Manipur University	19.12.2023
16	Prof. Sandeep Grover	Course outcomes and Program Outcomes (in ATAL sponsored program)	GNDEC, Ludhiana	02.01.2024
17	Prof. Sandeep Grover	Academic Development in Higher Education: OBE. (NEP Orientation and Sensitization program) (UGC MMTTC)	Tezpur University	18.01.2023

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## 20 Faculty serving as Editors/Members of Editorial Boards

NIL

# DEPARTMENT OF ELECTRICAL ENGINEERING

Chairperson: Prof. Anju Gupta

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	B.Tech. in Electrical Engineering
2	Minor Degree	Electric Vehicle Technology
3	Post Graduate	M.Tech. in Power Electronics and Drives
4	Doctoral	Ph.D. (Electrical Engineering)

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	P. R. Sharma	Ph.D.	Professor	Power System	14.09.1994
2	Rajesh Kr. Ahuja	Ph.D.	Professor	Power Electronics and Drives	26.06.2007
3	Poonam Singhal	Ph.D.	Professor	Power System	01.01.1990
4	Anju Gupta	Ph.D.	Professor	Power System	15.01.2007
5	Sakshi Kalra	Ph.D.	Associate Professor	Power System	14.01.2008
6	Yogendra Arya	Ph.D.	Associate Professor	Power System	06.04.2021
7	Rashmi Agarwal	Ph.D.	Associate Professor	Power System & Drives	28.07.2008
8	Nitin Goel	Ph.D.	Assistant Professor	Power System	10.01.2007
9	Shakuntla	Ph.D.	Assistant Professor	Power System & Drives	10.01.2007
10	Anubha Gautam	Ph.D.	Assistant Professor	Power System & Drives	17.02.2011
11	Shipra Aggarwal	M.Tech.	Assistant Professor	Power System & Drives	10.02.2012
12	Satvinder Singh	M.Tech.	Assistant Professor	Power System & Drives	04.05.2012
13	Rachna	M.Tech.	Assistant Professor	Power Systems	01.03.2014
14	Atma Ram	M.Tech.	Assistant Professor	Power System & Drives	28.02.2014
15	Bharti Thakur	M.Tech.	Assistant Professor	Power System & Drives	26.07.2018

### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Satpal	HOS	B.E. (Electrical)	18.07.2006
2	Pawan Kumar	Sr. Instructor	M.Tech. (Electrical)	26.03.2012
3	Puran Lal	Instructor	M.Tech. (Electrical)	08.07.2013
4	Ram Avtar	Instructor	B.Tech. (EC)	29.07.2023
5	Avnish Kr Gaur	Technician	B.E. (Electrical)	04.07.2014
6	Rajeev Sharma	Technician	M.Tech. (Electrical)	24.01.2024
7	Upasana Sehgal	Clerk	MBA	22.02.2016
8	Kaniram	Lab Attendant	12th	03.10.2016
9	Suraj	Helper Attendant	12th	14.04.2019

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	15
2	Publications in National Journals	–
3	Papers presented at International Conferences	10
4	Papers presented at National Conferences	–

### 5 List of Publications

1. Y. Arya, R. Ahmad, I. Nasiruddina, and M. F. Ahmer; LFC performance advancement of two-area RES penetrated multi-source power system utilizing CES and a new CFOTID controller. *Journal of Energy Storage* Vol. 87, art. 111366 (2024).
2. K. Peddakapu, M. R. Mohamed, P. Srinivasarao, and Y. Arya; Assessment of energy storage and renewable energy sources-based two-area microgrid system using optimized fractional order controllers. *Journal of Energy Storage* Vol. 86, art. 111191 (2024).
3. K. Sabahi, M. Jamil, Y. Shokr, M. Tavan, and Y. Arya; Deep deterministic policy gradient reinforcement learning based adaptive PID load frequency control of an AC micro-grid. *IEEE Canadian Journal of Electrical and Computer Engineering* Vol. 47, pp. 15–21 (2024).
4. S. R. Nayak, R. K. Khadanga, D. Das, Y. Arya, S. Panda, and P. R. Sahu; Influence of ultra-capacitor and plug-in electric vehicle for frequency regulation of hybrid power system utilizing artificial gorilla troops optimizer algorithm. *International Journal of Energy Research* Vol. 23, art. 6689709 (2024).
5. G. Sahoo, R. K. Sahu, S. Panda, N. R. Samal, and Y. Arya; Modified harris hawks optimization-based fractional-order fuzzy PID controller for frequency regulation of multi-micro-grid. *Arabian Journal for Science and Engineering* Vol. 48, pp. 14381–14405 (2023).
6. S. R. Nayak, R. K. Khadanga, Y. Arya, S. Panda, and P. R. Sahu ; Influence of ultra-capacitor on AGC of five-area hybrid power system with multi-type generations utilizing sine cosine adopted dingo optimization algorithm. *Electric Power Systems Research* Vol. 22, pp. 109-123 (2023).
7. R. Choudhary, J. N. Rai, and Y. Arya; FOPTID+1 controller with capacitive energy storage for AGC performance enrichment of multi-source electric power systems. *Electric Power Systems Research* Vol. 21, pp. 132-146 (2023).
8. S. Rangi, S. Jain, and Y. Arya; SSA-optimized cascade optimal-PIDN controller for multi-area power system with RFB under deregulated environment. *Optimal Control Applications and Methods* Vol. 44, pp. 1972–1994 (2023).
9. N. Kumari, P. Aryan, G L. Raja, and Y. Arya; Dual degree branched type-2 fuzzy controller optimized with a hybrid algorithm for frequency regulation in a triple-area power system integrated with renewable sources. *Protection and Control of Modern Power System* Vol. 8, pp. 1-29 (2023).

10. P. Singla, S. Boora, P. Singhal; Design and simulation of 4 kW solar power-based hybrid EV charging station. *Scientific Reports* Vol. 14, art. 7336 (2024).
11. A. Gautam, R. Dhir; Economizing Generation Cost by Alleviating Congestion in DPS Employing FACTS Devices. *SSRG International Journal of Electrical and Electronics Engineering* Vol. 11, pp. 65-75 (2024).
12. R. Dhir, A. Gautam; Investigation into the Behavioral Characteristics of Photovoltaic Cells using Matlab/Simulink. *Journal of University of Shanghai for Science and Technology* Vol. 26, pp. 63-72 (2024).
13. A. Ram, P. R. Sharma, R. K. Ahuja ; CTF-based control technique for power quality enhancement in the SPV system tied to the grid. *International Journal of Ambient Energy* Vol. 45, pp. 183-198 (2024).
14. A. Ram, P. R. Sharma, R. K. Ahuja; Enhancement of power quality using U-SOGI based control algorithm for DSTATCOM. *Ain Shams Engineering Journal* Vol. 15, pp. 222-238 (2024).
15. A. Ram, P. R. Sharma, R. K. Ahuja; A dual fundamental current extraction controller for DSTATCOM in the distribution system for power quality improvement under non-ideal source voltage condition. *Electric Power Components and Systems* Vol. 21, pp. 1-24 (2023).

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Dates and Duration	Beneficiary Count
1	Six days AICTE sponsored FDP on "Advancing Renewable Energy Technologies for sustainable E-mobility"	29.01.2024 to 03.02.2024	50
2	Five days STC on "Electric Vehicle Technologies"	07.08.2023 to 11.08.2023	50
3	Visit to mechanical workshop for the demonstration and working of gears	15.02.2023	48
4	Expert Lecture on Career Opportunities after B.E/B.Tech by ACE Engineering Academy, Delhi.	31.10.2023	76
5	Expert Lecture on "Plastics - Boon or Curse" under MoU with Bareja Solar and Projects Private Limited	14.09.2023	70
6	Basics of Electric Vehicle Trends and Future Prospects	20.10.2023	100
7	Expert Lecture on "E-House: Recent Trends In Substation Design"	04.09.2023	50
8	Expert Lecture on "Introduction to Multilevel Inverters and their applications"	22.03.2024	15
9	Expert Lecture on "Renewable Energy And Energy Conservation"	22.02.2024	20

Sr. No.	Particulars	Dates and Duration	Beneficiary Count
10	Expert Lecture on "Harnessing Wind : Introduction to Wind Energy Conversion Systems"	04.10.2023	30
11	Alumni Expert lecture on Electric Vehicle Technologies by Mr. Arun Kapur (CEO JBM green Energy Systems) Gurugram	07.08.2023	50
12	Alumni Expert Lecture on "Design of Electrical Panels & Related Equipment Through Application of Green Energy"	22.09.2023	60

**7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff**

Sr. No.	Particular	Number
1	STCs/STPS	10
2	Workshops	–
3	Conferences	–
4	FDPs	13

**8 Patents Published/ Granted during the year**

Sr. No.	Name of Faculty	Patent Title	Date of Award	Patent Granting Body	Status (Published/Granted)
1	V. Chaudhary, P. Singhal, Shakuntla, Anjali, B. P. Singh, Tamanna, S. Sharma, R. Kamra	Three Wheeler E- Rickshaw	04.01.2024	Controller General of Patents, Design and Trade Marks	Published
2	A. Bareja, S. Boora, S. Tandon, Sudhanshu, S. Verma, E. Kumar, Kunal, Y. Verma	Energy Efficient Electric Cycle	05.02.2024	Controller General of Patents, Design and Trade Marks	Published

**9 Details of Industrial/Site Visits organized**

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinators	No. of Students
1	Innovic Energy LLP.	03.08.2023-04.08.2023	Dr. Sakshi Kalra, Rachna	40
2	Omega Seiki Mobility, Greater Faridabad	10.08.2023	Dr. Sakshi Kalra, Dr. Anubha Gautam	50
3	“Industrial Visit to Bareja Solar and Project Private Limited, Delhi”	25.08.2023	Dr. Shakuntla, Nitin Goel and Pawan Kumar	24
4	Visit to Renewable Energy India Expo, 16th Edition	04.10.2023	Dr. Yogendra Arya, Atma Ram	40

**10 Sponsored R & D Projects**

NIL

**11 List of Consultancy Projects Completed**

NIL

**12 List of PhD completed in the Department**

NIL

**13 Awards/ Achievements of the Faculty/Staff/Students**

Sr. No.	Name of Faculty	Name of Awarding Agency(s)	Name of Award	Date
1	Dr. Yogendra Arya	Maharaja Agrasen Institute of Technology (MAIT), Delhi, India	Best Paper Award	28.03.2024
2	Dr. Yogendra Arya	Journal of Electrical Engineering & Technology	Best Associate Editor Award	06.12.2023

**14 Placement details of Students**

Sr. No.	Name of Program	No. of Eligible Students	No. of students placed	Highest package	Average package
1	B.Tech. (Elect. Engg.)	46	39	10 LPA	5.92 LPA

**15 Major Recruiters**

TCS, Havells Ltd.

**16 Major Equipment's/ Software's purchased**

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	ETAP Software	5,90,000/-	10.01.2024

**17 Higher Education data of students**

Sr. No.	Name	Name of University	Course
1	Bhavya Pratap Singh	Indian Institute of Technology, Mandi, H.P.	M.Tech. in the school of Computing & Elect. Engg.
2	Himanshu	Indian Institute of Technology Hyderabad	M.Tech. in Materials Science and Metallurgical Engg.
3	Kartikay Dahiya	Indian Institute of Technology, Kanpur	MBA Programme
4	Pragya Bhardwaj	J. C. Bose University of Science and Technology, YMCA, Faridabad	M.Tech. in Power Electronics and Drives

**18 Academic and Extension activities**

NIL

**19 Faculty served as Invited Speaker/Chair/Resource Person**

Sr. No.	Name of Faculty	Topic	Venue	Date
1	Dr. Yogendra Arya	General Chair in International Student Conference on Multidisciplinary and Current Technical Research (ISCMCTR 2024)	MIT, Gwalior	20.04.2024
2	Dr. Yogendra Arya	Expert lecture on “Metrology Aspects in Power System Operation and Control”	Ahmedabad	02.12.2023
3	Dr. Yogendra Arya	Expert lecture on “Indexing and writing structured Research Report/Paper”	HAU-Hisar, Haryana	16.10.2023
4	Dr. Yogendra Arya	Expert lecture on “Introduction to Electrical Power System”	GITM	06.10.2023

**20 Faculty serving as Editors/Members of Editorial Boards****Dr. Yogendra Arya**

- Associate Editor in Journal of Ambient Intelligence and Humanized Computing
- Associate Editor in Engineering Applications of Artificial Intelligence
- Academic Editor in International Journal of Energy Research
- Associate Editor in Automatica
- Associate Editor in Electric Power Components and Systems
- Associate Editor in IETE Journal of Research
- Editor Board Member in Neural Computing and Applications
- Associate Editor in Chaos, Solutions & Fractals
- Associate Editor in Engineering Science and Technology, an International Journal
- Associate Editor in IET Generation, Transmission & Distribution

# DEPARTMENT OF ELECTRONICS ENGINEERING

Chairperson: Prof. Pradeep Kumar Dimri

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	B.Tech. in Electronics Engineering with Specialization in IoT B.Tech. in Electronics and Communication Engineering B.Tech. in Electronics and Computer Engineering
2	Minor Degree	Biomedical Instrumentation
3	Post Graduate	M.Tech. in Electronics and Communication Engineering
4	Doctoral	Ph.D. (Electronics Engineering)

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Munish Vashishath	Ph.D.	Professor	Semiconductor Devices	06.07.2005
2	Neelam Turk	Ph.D.	Professor	Signal Processing	14.01.2008
3	Pradeep Dimri	Ph.D.	Professor	Embedded System	15.07.1994
4	Shailender Gupta	Ph.D.	Associate Professor	Networking, Image Processing	10.01.2007
5	Sheilza Jain	Ph.D.	Associate Professor	Control System, Analog Electronics	04.01.2008
6	Rashmi Chawla	Ph.D.	Associate Professor	VLSI Design, IoT, Photovoltaic Devices	10.08.2008
7	Prashant Kumar	Ph.D.	Associate Professor	VLSI Design	15.08.2008
8	Dushyant Shukla	Ph.D.	Assistant Professor	Signal Processing	29.07.2004
9	Archana Agarwal	M.Tech.	Assistant Professor	Image Processing	31.08.2004
10	Bal Krishan	Ph.D.	Assistant Professor	Nano Electronics	03.01.2006
11	Bharat Bhushan	M.Tech.	Assistant Professor	Electronics Engineering	10.08.2006
12	Nitin Sachdeva	Ph.D.	Assistant Professor	VLSI Design	10.01.2007
13	Vinod Rathor	M.Tech.	Assistant Professor	Control System	10.01.2007
14	Priyanka	Ph.D.	Assistant Professor	Communication Engineering	24.01.2007

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
15	Sangeeta Dhall	Ph.D.	Assistant Professor	Network Security, Image Processing, Embedded System	25.01.2007
16	Neetu Gupta	Ph.D.	Assistant Professor	Video Processing	09.02.2007
17	Preet Kaur	Ph.D.	Assistant Professor	Microwave & Antenna Device	28.07.2008
18	Lalit Rai	Ph.D.	Assistant Professor	Control System	01.09.2009
19	Sonam Khatter	Ph.D.	Assistant Professor	Wireless Sensor Networks	09.09.2008
20	Archana Aggarwal	Ph.D.	Assistant Professor	Communication Engg.	10.10.2008
21	Gunjan Sardana	M.Tech.	Assistant Professor	Communication Engineering	01.01.2009
22	Kalpana Sheokand	Ph.D.	Assistant Professor	Signal Processing	26.08.2009
23	Sunil Jadav	Ph.D.	Assistant Professor	VLSI Design & Automation	14.02.2011
24	Manju Kumari	Ph.D.	Assistant Professor	Image Processing	21.03.2012
25	Nisha Yadav	M.Tech.	Assistant Professor	VLSI Design	14.02.2017
26	Rohit Tripathi	Ph.D.	Assistant Professor	VLSI Design	08.04.2021
27	Prasoon Sharma	Ph.D.	Assistant Professor	Electronics, Instrumentation and Vedic Yoga	03.08.2018
28	Renu Goyal	M.Tech.	Assistant Professor	Electronics and Communication	14.11.2022
29	Preeti Mehta	Ph.D.	Assistant Professor	Robotics	14.11.2022
30	Manju Dagar	M.Tech	Assistant Professor	Electronics	14.11.2022
31	Amana Yadav	Ph.D.	Assistant Professor	VLSI	14.11.2022

### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Lalit Mohan	Head of Section	M.Tech.	15.07.1994
2	Dharamvir	Head of Section	M.Tech, Ph.D.	13.07.1992
3	Kusum Arora	Sr. Instructor	M.Tech.	04.10.2006
4	Poulani Jana	Instructor	Diploma, AMIE	01.02.2008
5	Mukesh Kumar	Sr. Instructor	M.Tech.	06.10.2006
6	Vijay Kumar	Instructor	M.Tech.	02.08.2006
7	Dipika Mandal	Instructor	M.Tech.	25.01.2008
8	Lavita Virmani	Instructor	M.Tech.	11.07.2014
9	Ram Avtar	Technician	Diploma, BE	02.08.2006
10	Varinder Singh	Technician	Diploma, AMIE	22.03.2012
11	Baij Nath	Technician	M.Tech.	09.07.2013
12	Virender Singh	Lab Assistant	Diploma	09.08.2019
13	Om Prakash	Sr. Technician	Diploma	16.04.2016
14	Sourabh Pandey	PA to Chairperson	B.P.Ed.	24.01.2024
15	Shiv Ram	Helper Attendant	10th	HKRNL
16	Jiya Ram	Helper Attendant	12th	HKRNL

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	29
2	Publications in National Journals	–
3	Papers presented at International Conferences	20
4	Papers presented at National Conferences	–

### 5 List of Publications

1. **N. Sachdeva**, P. Kumar, N. Gupta; Application of Silicide Layer and Work Function in Optimization of MOSFET Process Parameters. *European Chemical Bulletin* Vol. 12, pp. 10799–10808 (2023).
2. **N. Sachdeva**, N. Gupta; Branching Particle Filter for Crowd Anomaly Detection. *European Chemical Bulletin* Vol. 12, pp. 10809–10828 (2023).
3. **P. Kaur**; A Review of Current Developments in The Detection of Brain Cancer Using Machine Learning: A Systematic Analysis of Methodology, Comparisons, Results and Challenges. *International Journal of Membrane Science and Technology* Vol. 10, pp. 375-390 (2023).
4. **P. Kaur**; Exploring Machine Learning Approaches for Predicting Brain Tumors: A Comparative Study. *International Journal of Membrane Science and Technology* Vol. 10, pp. 364-374 (2023).
5. **S. Dhall, S. Gupta**; Quantum based robust and swift hybrid security mechanism. *Multimedia Tools and Applications* Vol. 30, pp. 437-452 (2023).
6. **S. Gupta**; Segmentation technique for the detection of Micro cracks in solar cell using support vector machine. *Multimedia Tools and Applications* Vol. 82, pp. 32091–32116 (2023).
7. **S. Gupta**; Contrast enhancement of underwater images using conditional generative adversarial network. *Multimedia Tools and Applications* Vol. 82, pp. 10959-10989 (2023).
8. **S. Gupta**; A multilevel qubit encryption mechanism using SHA-512. *Multimedia Tools and Applications* Vol. 82, pp. 1934-1948 (2023).

9. **S. Dhall, S. Gupta**; A robust and secure immensely random GAN based image encryption mechanism. *Multimedia Tools and Applications* Vol. 82, pp. 1969-1974 (2023).
10. **P. K. Dimri**; BITA-Based Secure and Energy-Efficient Multi-Hop Routing in IoT-WSN. *Cybernetics and Systems* Vol. 6, pp. 809-835 (2023).
11. **P. K. Dimri**; Channel estimation and detection with space time transmission scheme in colocated multiple-input and multiple-output system. *ETRI Journal* Vol. 45, pp. 217-225 (2023).
12. **P. K. Dimri**; Deep Neural Network Based Modelling of Chemisorption Process on Surface of Oxide Based Gas Sensors. *Journal of Scientific & Industrial Research* Vol. 11, pp. 1143-1151 (2023).
13. **N. Gupta, G. Sardana**; Anomaly Detection in video frames: Hybrid gain optimized kalman filter. *Multimedia tools and applications* Vol. 82, pp. 33961-33982 (2023).
14. **N. Gupta, G. Sardana**; Simulation of 3D space vector modulation for neutral point clamped inverters. *Bulletin of electrical engineering and informatics* Vol. 12, pp. 719-726 (2023).
15. **S. Dhall**; Comparative analysis of chaotic and quantum chaotic encryption mechanism. *Lecture Notes in Electrical Engineering book series* Vol. 979, pp. 249-267 (2023).
16. **P. Kumar, L. Rai**; Performance Investigation of a Dielectric Stacked Triple Material Cylindrical Gate All Around MOSFET (DSTMCGAA) for Low Power Applications. *ECS Journal of Solid State Science and Technology* Vol. 12, art. 43070 (2023).
17. **S. Jain**; AROA: Adam Remora Optimization Algorithm and Deep Q network for energy harvesting in Fog-IoV network. *Applied Soft Computing* Vol. 136, pp. 1-13 (2023).
18. **S. Jain**; Fractional mayfly optimization algorithm-based Infrastructure-to-Vehicle and Vehicle-to-Vehicle scheduling for service message transmission in IoV-fog. *International Journal of Communication Systems* Vol. 36, pp. 218-237 (2023).
19. **S. Jain**; Estimation of renewable biogas energy potential from livestock manure: A case study of India. *Bioresource Technology Reports* Vol. 22, pp. 101432 (2023).
20. **S. Jain**; Feasibility assessment of biomass for sustainable power generation to mitigate climate change in a rural cluster: a case study in India. *Biomass Conversion and Biorefinery* Vol. 22, pp. 1-18 (2023).
21. **P. Kaur**; Reconfigurable Ring Antenna Sensor for Detection of Adulteration in Liquids. *ECS Journal of Solid State Science and Technology* Vol. 13, art 037001 (2024).
22. **P. Kaur**; Microstrip and Metamaterial Embedded Patch Antenna Sensors for Determination of Moisture in Rice, Wheat, and Pulse Grains. *Journal of Electrochemical Society* Vol. 17, art. 017504 (2024).
23. **P. Kaur**; Safeguarding mobile ecosystems: A comprehensive examination of cyber-attacks and mobile security. *International Journal of Multidisciplinary Trends*, (2023).
24. A. Aggarwal, **S. Gupta, M. Vashishath**; Contrast enhancement of underwater images using conditional generative adversarial network. *Multimedia Tools and Applications* Vol. 83, pp. 41375-41404 (2024).
25. **S. Jadav, S. Gupta**; A multilevel qubit encryption mechanism using SHA-512. *Multimedia Tools and Applications* Vol. 83, pp. 34995-35024 (2024).
26. **S. Gupta**; A joint autoencoder and classifier deep neural network for AD and MCI classification. *International Journal of Imaging Systems and Technology*, Vol. 34, art e23054 (2024).
27. A. Aggarwal, **S. Gupta, M. Vashishath**; Analysis of conventional and modern contrast enhancement mechanisms. *Multimedia Tools and Applications*, Vol. 83, pp. 81057-81089 (2024).
28. **L. Kumar, P. Kumar**; Optimal Key Management for Secure D2D Communication in IOT Environment. *Adhoc & Sensor Wireless Networks*, art. 58. (2024).
29. **P. Kaur**; The Detection of Brain Cancer Using Machine Learning: A Systematic Analysis of Methodology, Comparisons, Results and Challenges. *International Journal of Membrane Science and Technology*, Vol. 97, art. 102614 (2023).

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Activity Type	Dates and Duration
1	E-Chetna	Workshop for Senior Citizens	22.08.2024
2	Basics of Home Appliances	Training Program	29.07.2024 to 02.08.2024
3	Home Appliances Products by Godrej	Training Program	25.10.2024 to 26.10.2024
4	UNMANNED Aircraft System and Applications	Expert Lecture by Dr. Kalpana Johri, CDAC, Noida	24.04.2024
5	Pathway to Start-up-From idea to product design to manufacturing	Seminar	9.10.2023
6	Basic Bootcamp Programme on UAS & its applications	Training Program	22.7.2024 to 26.07.2024
7	Electronics Materials and Devices Fabrication and Characterizations	Workshop	29.1.2024 to 02.02.2024

## 7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff

Sr. No.	Particular	Number
1	STCs/STPS	–
2	Workshops	–
3	Conferences	09
4	FDPs	06

## 8 Patents Published/ Granted during the year

Sr. No.	Name of Faculty	Patent Title	Date of Award	Patent Granting Body	Status (Published/Granted)
1	Dr. Preet Kaur	Design of Smart Dustbin	02.06.2023	Patent Office, Govt. of India	Granted
2	Dr. Prashant Kumar	Real Time Monitoring of Water Quality and Feeding Device for Fisheries using Internet of Things	30.06.2023	Patent Office, Govt. of India	Published
3	Dr. Prashant Kumar	IOT Based Real Time Monitoring of Dust Deposition on BIPV System and Cleaning Device	16.06.2023	Patent Office, Govt. of India	Published

## 9 Details of Industrial/Site Visits organized

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinators	No. of Students
1	Fuji Gemco Controls Pvt. Ltd.	21.08.2023	Dr. Sunil Jadav, Dr. Neetu Gupta	40
2	Nokia Repair Factory	18.09.2023	Dr. Dushyant Shukla, Dr. Sonam Khera	50

**10 Sponsored R & D Projects**

NIL

**11 List of Consultancy Projects Completed**

NIL

**12 List of PhD completed in the Department**

- **Sangeeta Dhall** [Supervisor: **Dr. Shailender Gupta**]  
Title: Analysis and Design of a Multilevel Security Mechanism for Data Communication Networks

**13 Awards/ Achievements of the Faculty/Staff/Students**

NIL

**14 Placement details of Students**

Sr. No.	Name of Program	No. of Eligible Students	No. of students placed	Highest package	Average package
1	B.Tech. (Electronics and Computer Engg.)	64	53	41 LPA	11.14 LPA
2	B.Tech. (Electronics and Communication Engg.)	59	48	18 LPA	8.21 LPA
3	B.Tech. (Electronics Instrumentation and Control Engg.)	42	32	19.85 LPA	7.14 LPA

**15 Major Recruiters**

Adobe, STMicroelectronics, Cognizant, Samsung R&D Noida, Mahindra Defence System Lid, JSW, Schneider Electric etc.

**16 Major Equipment's/ Software's purchased**

NIL

**17 Higher Education data of students**

NIL

**18 Academic and Extension activities**

- Tree plantation drive dated 15.07.2023 in adopted villages.

**19 Faculty served as Invited Speaker/Chair/Resource Person**

Sr. No.	Name of Faculty	Topic	Venue	Date
1	Pradeep Kumar Dimri	Problem/Project based learning	JCBoseUST, Faridabad	YMCA, 29.02.2024
2	Sunil Yadav	Introduction to Semiconductor Materials and Devices	JCBoseUST, Faridabad	YMCA, 31.01.2024
3	Shailender Gupta	NAAC Criteria 1	JCBoseUST, Faridabad	YMCA, 13.09.2023
4	Rashmi Chawla	NAAC Criteria 6	JCBoseUST, Faridabad	YMCA, 13.09.2023
5	Vinod Rathore	PLC and Human Interface	JCBoseUST, Faridabad	YMCA, 25.04.2024

Sr. No.	Name of Faculty	Topic	Venue	Date
6	Pradeep Kumar Dimri	Problem/Project based learning	J. C. Bose University of Science & Technology, Faridabad	YMCA, 11.08.2023
7	Bharat Bhushan	Advance Concepts in Digital Design- PART-2	J. C. Bose University of Science & Technology, Faridabad	YMCA, 29.02.2024

**20 Faculty serving as Editors/Members of Editorial Boards****Dr. Neelam Turk**

- Editor-in-chief, J.C. Bose Journal of Engineering, Technology and Sciences

**Dr. Sheilza Jain, Dr. Sangeeta Dhall, and Dr. Sonam Khara**

- J.C. Bose Journal of Engineering, Technology and Sciences

**Dr. Rashmi Chawla**

- Board for the selection of Teachers in KVS through direct recruitment (May 14,2023-May 19,2023).

**Dr. Shailender Gupta**

- Editorial Member in International Journal of Computer Networks and Applications (IJCNA)
- Editorial Member in International Journal of Emerging Technologies in Engineering Research (IJETER)
- Editorial Member in International Journal of Computer Network and Information Security

# DEPARTMENT OF CIVIL ENGINEERING

Chairperson: Dr. Rajni Saggu

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	B.Tech. in Civil Engineering B.Tech. in Environmental Engineering

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Rajni Saggu	Ph.D.	Associate Professor	Geotechnical Engineering	16.06.2020
2	Yogesh Kumar Morya	M.Tech.	Assistant Professor	Highway Safety and Engineering	31.01.2020
3	Vishal Puri	Ph.D.	Assistant Professor	Building Materials	03.02.2020
4	Ashish Agarwal	Ph.D.	Assistant Professor	Structural Engineering	19.08.2021
5	Sandeep Ravish	Ph.D.	Assistant Professor	Hydraulics and Water Resources Engineering	31.08.2021
6	Vivek Rawat	M.Tech	Assistant Professor	Environmental Engineering	25.08.2021
7	Kuldeep Sharma	Ph.D.	Assistant Professor	Structural Engineering	02.08.2023
8	Poonam Sharma	M.Tech	Assistant Professor	Structural Engineering	16.08.2023
9	Anshu Mann	M.Tech	Assistant Professor	Transportation Engineering	02.08.2023
10	Yashwardhan Singh	M.Tech	Assistant Professor	Environmental Engineering	16.08.2023

## 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Rajdeep	Assistant	MCA	01.08.2014
2	Subhash	Peon	10th	08.10.2018

## 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	1
2	Publications in National Journals	–
3	Papers presented at International Conferences	3
4	Papers presented at National Conferences	–
5	Book/Book Chapters	3

## 5 List of Publications

- i Puri V, Ravish S, Grover K, Prachi, Kumari K. Review of Non-potable Water Applications for Sustainable Concrete Development. In International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering 2023 Oct 25 (pp. 119-135). Singapore: Springer Nature Singapore.
- ii Ravish S, Puri V, Kumari A, Priya A, Khan A, Singh A. A Critical Review of Used Polymers in the Soil Stabilization: the Global Experiences and Future Perspective. In International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering 2023 Oct 25 (pp. 105-117). Singapore: Springer Nature Singapore.
- iii Sharma K, Kumar A. Comparative Cost Analysis of Industrial Waste-Based Composite Materials Treated with Lime, Cement, and Alkali Activator in Comparison with Conventional Pavement Material. In International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering 2023 Oct 25 (pp. 149-157). Singapore: Springer Nature Singapore.
- iv Priyadarshree A, Kumar V, Sharma K, Kumar A. Study on the load sharing in piled raft foundation. Multiscale and Multidisciplinary Modeling, Experiments and Design. 2024 Jul;7(3):3005-15.

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Dates Duration	Beneficiary Count
1	Expert lecture on 'Intellectual Property Rights'	27.03.2024	75
2	Expert lecture on 'High Strength Fibre Reinforced Concrete and its Performance and Non-Destructive Testing of Reinforced Concrete Structures'	15.04.2024	75
3	Expert lecture on 'Geopolymer Concrete: Approach Towards Sustainable Construction and Quality Assurance and Quality Control in Construction'	16.04.2024	75
4	Expert lecture on 'Durability and Durability Design of Concrete Structures' and 'Ultra High-Performance Concrete Behaviour and Application'	18.04.2024	75
5	Expert lecture on 'Application of Modern Geophysical Technology and Seismic Aspects for Engineering Projects'	02 .05.2024	75

## 7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff

Sr. No.	Particular	Number
1	FDPs	06
2	STCs/STPS	04
3	Workshops	04
4	Conferences	03

## 8 Patents Published/ Granted during the year

NIL

## 9 Details of Industrial/Site Visits organized

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1	National Council for Cement and Building Materials, NCCBM, Faridabad	19.10.2023	Dr. Ashish Agarwal	51
2	Industrial Visit at Cement Grinding Unit of Shree Cement Pvt. Ltd, Bulandsahar, UP	26.10.2023	Dr. Ashish Agarwal and Dr. Sandeep Ravish	41

## 10 Sponsored R & D Projects

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount
1	Dr. Sandeep Ravish	Design and Development of Hydro-powered Piston Pump	J.C. Bose University of Science and Technology, YMCA	2023	2 Lac
2	Dr. Rajni Saggu	Thermal response tests on geothermal boreholes with different configurations of heat exchanger pipes for efficient space-Conditioning in the residential sector	Haryana State Council for Science, Innovation and Technology (HSCSIT), DST, Govt. of Haryana	2023	46 Lac
3	Dr. Sandeep Ravish	Wastewater Treatment and Energy Harvesting for Societal Application	DST, Govt. of India	2023	–

## 11 List of Consultancy Projects Completed

Sr. No.	Name of the Industry	Faculty Coordinator	Awarded Year	Duration	Amount
1	Water Recycling Technology, Sec-81, Faridabad	Dr. Sandeep Ravish	–	01 Month	70,800/- Rs

## 12 List of Ph.D. completed in the Department

NIL

## 13 Awards/ Achievements of the Faculty/Staff/Students

NIL

**14 Placement details of Students**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1	B.Tech (Civil)	55	05	5.4 LPA	5.2 LPA

**15 Major Recruiters**

Aquagreen Pvt. Ltd, and Jakson

**16 Major Equipment's/ Software's purchased**

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	Bentley Structural Worksuite Select Subscription	5,16,840/-	23.03.2024

**17 Higher Education data of students**

NIL

**18 Academic and Extension activities**

Sr. No.	Event name	Date	Venue
1	Competitions on Eve of Independence Day to Celebrate Jashn-e- Azadi by Sanrachna Club	17.08.2023	J.C. Bose University of Science and Technology, YMCA
2	Industrial Visit at National Council for Cement and Building Materials (NCCBM), Ballabhgargh	19.10.2023	National Council for Cement and Building Materials, Ballabhgargh
3	Industrial Visit at Cement Grinding Unit of Shree Cement Pvt. Ltd, Bulandsahar, UP	26.10.2023	Cement Grinding Unit of Shree Cement Pvt. Ltd, Bulandsahar, UP
4	Makeathon Technical Event Organized by Sanrachna Club	22.04.2024- 23.04.2024	J.C. Bose University of Science and Technology, YMCA

**19 Faculty served as Invited Speaker/Chair/Resource Person**

Sr. No.	Name of the Activity	Faculty Coordinator	Date	Venue
1	Invited Talks - on Strength, Durability and Leachability Studies of Copper Slag, Rice Husk Ash Mixes Treated with Alkali Activator	Dr. Kuldeep Sharma	25.10.2023	Department of Civil Engineering, Dr. B R Ambedkar National Institute of Technology, Jalandhar

**20 Faculty serving as Editors/Members of Editorial Boards**

Sr. No.	Name of Faculty	Details
1	Dr. Rajni Saggu	Reviewer of SCI International Journals Reviewer of Canadian Geotechnical Journal Reviewer of Geotechnical and Geological Engineering Reviewer of Renewable Energy Reviewer of Transportation Infrastructure Technology
2	Dr. Sandeep Ravish	Editor in Edit Springs Co. (Boston, USA) Editor in International Journal of Bioculture Editor in Applied Environmental Science Editor in Public Health Risk Assessment Editor in Toxicology, Environmental and Occupational Health Editor in Sustainability Society and Eco-Welfare Editor in Agro-sociology and Sustainability Editor in Earth Kingdom Editor in Natural Disaster Mitigation and Education Editor in Environmental and Materials (IASSSE, Indonesia) Reviewer of International Journal of Environmental Monitoring and Assessment (Publisher Springer, Netherlands, SCI) Reviewer of International Journal of Civil Engineering (Publisher Springer Nature, Switzerland, SCI) Reviewer of Arabian Journal of Geosciences (Publisher Springer Nature, Germany, SCI) Reviewer of International Journal of Applied Water Science (Publisher Springer Nature, Germany, SCI) Reviewer of International Journal of Pollution (Publisher Springer, Iran, ESCI, SCOPUS) Reviewer of ISH Journal of Hydraulic Engineering (Publisher Taylor & Francis, India, SCOPUS)

# **Faculty of Informatics and Computing**

# DEPARTMENT OF COMPUTER ENGINEERING

Chairperson: Prof. Atul Mishra

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	B.Tech. in Computer Engineering B.Tech. in Computer Engineering (Specialization in Data Science) B.Tech. in Information Technology B.Tech. in Computer Engineering (Hindi)
2	Minor Degree	Blockchain Computer Vision
3	Post Graduate	M.Tech in Computer Engineering M.Tech in Computer Science & Engineering
4	Doctoral	Ph.D.

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	C. K. Nagpal	Ph.D.	Professor	Soft Computing, Automata Theory	24.02.1988
2	Naresh Chauhan	Ph.D.	Professor	Software Testing	01.04.2004
3	Komal Kumar Bhatia	Ph.D.	Professor	Information Retrieval, Web Mining, AI & ML	03.01.2006
4	Atul Mishra	Ph.D.	Professor	Cloud Computing, Data Science, Network Management	21.10.2008
5	Ashutosh Dixit	Ph.D.	Professor	Information Retrieval, Mobile Communications	25.06.2004
6	Neelam Duhan	Ph.D.	Associate Professor	DBs, Information Retrieval, Web Mining, Machine Learning	06.01.2006
7	Sapna Gambhir	Ph.D.	Associate Professor	Internet of Things, Medical Imaging	17.01.2006
8	Parul Gupta	Ph.D.	Associate Professor	Machine Learning, Information Retrieval	10.01.2007
9	Jyoti Verma	Ph.D.	Associate Professor	Information Retrieval and Web Mining	22.06.2004
10	Anuradha Pillai	Ph.D.	Associate Professor	Digital Forensics, Computer Vision	14.01.2008
11	Parul Tomar	Ph.D.	Associate Professor	IoT, Wireless Network , Database	03.01.2006
12	Harish Kumar	Ph.D.	Associate Professor	Software Testing, Project Management, Machine Learning	03.01.2006

13	Shruti Mittal	Ph.D.	Assistant Professor	Information Retrieval, Machine Learning, Deep learning	10.01.2007
14	Poonam	Ph.D.	Assistant Professor	Opportunistic Network, Game Theory, Fuzzy Inference System, Advanced Algorithms, MANET	01.08.2007
15	Deepika Punj	Ph.D.	Assistant Professor	Internet Technologies, Machine Learning, Computer Vision	14.01.2008
16	Payal Gulati	Ph.D.	Assistant Professor	Information Retrieval, Machine Learning, Data Analytics, Computer Vision	14.01.2008
17	Amita Arora	Ph.D.	Assistant Professor	Machine Learning, Computer Vision, Deep Learning	28.07.2008
18	Ashlesha Gupta	Ph.D.	Assistant Professor	Internet Technologies, Information Retrieval, Computer Networks, Machine Learning	10.09.2008
19	Preeti Sethi	Ph.D.	Assistant Professor	Wireless Sensor Networks, Machine Learning, Data Science	10.09.2008
20	Rashmi Popli	Ph.D.	Assistant Professor	Software Testing, Agile Software Development, Security, Software Engineering	06.02.2009
21	Sonali Gupta	Ph.D.	Assistant Professor	Information Retrieval, Machine Learning, Computer Vision	12.08.2009
22	Umesh Kumar	Ph.D.	Assistant Professor	Wireless Security	16.04.2012
23	Piyush Gupta	M.Tech., Pursuing Ph.D.	Assistant Professor	Big Data Analytics, Machine Learning, Recommendation Systems	25.09.2018
24	Shivi Garg	Ph.D.	Assistant Professor	Android Malware, Information Security	26.09.2018
25	Rewa Sharma	Ph.D.	Assistant Professor	Adhoc Networks, Data Mining, IoT	28.09.2018
26	Lalit Mohan Goyal	Ph.D.	Assistant Professor	Data Mining, Algorithm	05.11.2018
27	Shikha Gupta	M.Tech. Pursuing Ph.D.	Assistant Professor	Big Data, Online Marketing	06.03.2017
28	Shilpi	M.Tech, Pursuing Ph.D.	Assistant Professor	Computer Vision	02.08.2018
29	Raveena Aggarwal	M.Tech. Pursuing Ph.D.	Assistant Professor	Cloud Computing, Big Data	02.08.2018
30	Yojana	M.Tech, Pursuing Ph.D.	Assistant Professor	Machine Learning, Data Mining, Block Chain	06.10.2022
31	Rachna	M.Tech, Pursuing Ph.D.	Assistant Professor	Wireless Communication and Network Security	05.12.2022
32	Dimple Chehal	M.Tech, Pursuing Ph.D.	Assistant Professor	Data Mining, Data Analytics	07.12.2022
33	Garima	M.Tech.	Assistant Professor	Data Mining	25.01.2023

### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Mukesh Kumar Gupta	Head of Section (CE)	M.Tech.(CE), AMIE (CE)	
2	Jitender Taneja	Head of Section (IT)	MCA, Diploma(CE)	
3	Ankit Pannu	System Analyst-cum-Programmer	M.Tech.(CE), B.Tech.(IT)	MBA(IT),
4	Mukesh Kumar Garg	Sr. Instructor (CE)	Ph.D., M.Tech.(CE)	
5	Mohan Singh	Sr. Instructor (IT)	AMIE, Diploma(CE)	
6	Sanjay Kumar	Instructor (CE)	B.E.	
7	Krishan Bhardwaj	Instructor(CE)	AMIE, Diploma(CE)	
8	Omdev Nagar	Programmer	M.Tech.(CN), B.Tech.(CSE)	
9	Manmohan Dagar	Technician	M.Tech(CN), B.Tech.(CSE)	
10	Ratnakar Singh	Technician	M.Sc.(CSE), Diploma in Hardware & Networking	
11	Nakul Kumar	Technician	M.Sc.(CSE), Diploma in Hardware & Networking	
12	Himanshu	Technician	BCA	
13	Bharat	Technician	Diploma (Computer Networking)	

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	2
2	Publications in National Journals	–
3	Papers presented at International Conferences	2
4	Papers presented at National Conferences	–

### 5 List of Publications

1. Chehal D, Gupta P, Gulati P, Gupta T. Comparative Study of Missing Value Imputation Techniques on E-Commerce Product Ratings. Informatica. 2023 Jun 5;47(3).
2. Joon R, Tomar P, Kumar G, Balusamy B, Nayyar A. Unequal clustering energy hole avoidance (UCEHA) algorithm in cognitive radio wireless sensor networks (CRWSNs). Wireless Networks. 2024 Jun 20:1-23.

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Dates Duration	Beneficiary Count
1	Expert Lecture on " Digital Transformation" by Mr. Rashim Kapoor (CTO, Bharti Airtel Group)	27.09.2023	256
2	Expert Lecture on " Big data, future of AI and Ethical Considerations" by Mr. Ankur Mahajan (Senior Technical Product Manager, Royal Bank of Canada)	28.09.2023	264
3	Expert Lecture on " Paradigm Shift in Big Data Computing" by Prof. Atul Mishra	15.02.2024	75
4	Expert Lecture on " Data Link Control in Computer Networks" by Dr. Umesh Kumar	28.03.2024	72
5	Expert Lecture on " Routing in Ad-hoc Networks" by Dr. Parul Tomar	19.04.2024	72
6	Seminar on topic "Opportunities in Higher Education" under Career Guidance Seminar Series	04.04.2024	100
7	An Expert Lecture (under Expert Lecture Series) on the topic "High Performance Computing & Artificial Intelligence"	08.04.2024	230
8	Expert Lecture on " Data Mining and data Warehousing" by Dr. Parul Gupta	26.04.2024	90

## 7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff

Sr. No.	Particular	Number
1	FDPs	03
2	STCs/STPS	NIL
3	Workshops	NIL
4	Conferences	04

## 8 Patents Published/ Granted during the year

S. No.	Name of Faculty/ Staff	Patent Title	Date of Award	Patent granting body	Status (Published/ Granted)
1	Dr Parul Tomar, Dr Sapna Gambhir	Artificial Intelligence Based Device for Face Detection and Recognition	6.07.2023	UK IPO	Granted

## 9 Details of Industrial/Site Visits organized

NIL

**10 Sponsored R & D Projects**

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount
1	Dr. Ashutosh Dixit, Dr. Preeti Sethi, Mr. Punnet Garg	Child Identification Software for Recognising Missing Children using Machine Learning based speech Clarification Technique	AICTE	Dec 2020	655,686
2	Prof. Komal Kumar Bhatia, Dr Neelam Duhan	AICTE Research and Innovation Scheme	AICTE	Jan 2022	Granted 448333/- Received 392291/-

**11 List of Consultancy Projects Completed**

Sr. No.	Name of the Industry	Faculty Coordinator	Awarded Year	Duration	Amount
1	NPTI Faridabad	Dr Shruti Mittal, Dr Deepika Punj, Dr Umesh, Mr Ankit Pannu	June 2023	(6 months)	1351324/-

**12 List of PhD completed in the Department**

Sr. No.	Name of the Candidate	Name of the University	Title of the Thesis	Date of completion	Name of the Supervisor(s)
1	Gyanendra Kumar	J.C. Bose University of Science and Technology, YMCA	Improvement of Quality of Services (QoS) in Internet of Things (IoT)	21.06.2023	Dr. Parul Tomar
2	Surabhi Lingwal	J.C. Bose University of Science and Technology, YMCA	Development Of Analytical And Predictive Techniques For Machine Learning	01.09.2023	Dr. Komal Kumar Bhatia, Dr. Manjeet Singh
3	Dimple Chehal	J.C. Bose University of Science and Technology, YMCA	A Design of An E-commerce Recommender System using Data Analytics	29.01.2024	Dr. Parul Gupta, Dr. Payal Gulati
4	Madan Singh	J.C. Bose University of Science and Technology, YMCA	Agile Project Management and Testing in Distributed Environment	16.05.2024	Dr. Naresh Chauhan, Dr. Rashmi Popli

**13 Awards/ Achievements of the Faculty/Staff/Students**

NIL

**14 Placement details of Students**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1	B.Tech. CE	133	124	47 LPA	8.78 LPA
2	B.Tech. IT	62	68	15.67 LPA	7.12 LPA

**15 Major Recruiters**

Amazon, Uber, Accenture, TCS, Samsung, Nagarro, Flipkart, Yamaha etc.

**16 Major Equipment's/ Software's purchased**

NIL

**17 Higher Education data of students****B.Tech. Students**

Sr. No.	Name of Exam	Student's Name	Roll Number	Percentile Score
1	GATE, AI	Himanshu Gandhi	DA24S13008020	514
2	GATE, CSIT	Himanshu Gandhi	CS24S63008014	540
3	GATE	Surbhi Sharma	CS24S63004221	382
4	GATE	Naman Sharma	DA24S13004240	404
5	GATE	Archit Raj	CS24S53005247	408
6	GATE	Soumil Gupta	DA24S13005088	441
7	GATE	Raveesh	CS24S58001130	480
8	GATE	Manya Singhal	DA24S13004083	473
9	GATE	Vinay	CS24S53006135	263
10	GATE	Rahul	CS24S53013114	570
11	GATE	Jyoti	DA24S13005228	404
12	GATE	Rishabh Chauhan	DA24S13050293	303
13	GATE	Kartik Kukreja	CS24S58001130	440
14	GATE	Khushi Gupta	CS24S63004095	412
15	GATE	Vibhav Goel	DA24S13004069	445
16	GATE	JAHNVI	CS24S63004219	485
17	GATE	Mayank	CS24S53006238	353
18	GATE	Juhi	DA24S13006302	408
19	GATE	Renu	CS24S63005207	353
20	GATE	Ansh	CS24S53008173	404
21	GATE	Harshika Vats	CS24S563004129	368
22	GATE	Tanay Pandey	DA24S13004195	491
23	GATE	Harsh Garg	CS24S63012350	401
24	GATE	Sankalp Tripathi	DA24S13006304	408

25	CAT	Mansi Bhardwaj	23261849	97.27
26	CAT	Tushar	23199386	93.24

## 18 Academic and Extension activities

- Expert Lecture on “Digital Transformation” delivered by Mr. Rashim Kapoor ( CTO, Bharti Airtel Group) on 27.09.2023, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad.( Beneficiary Count:256)
- Expert Lecture on " Big data, future of AI and Ethical Considerations" by Mr. Ankur Mahajan (Senior Technical Product Manager, Royal Bank of Canada), on 28.09.2023, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad.( Beneficiary Count:264)
- Expert Lecture on " Paradigm Shift in Big Data Computing" by Prof. Atul Mishra on 15.02.2024, organized by Department of Computer Engineering in collaboration with Department of Computer Applications, J.C. Bose University of Science and Technology YMCA Faridabad.( Beneficiary Count:75)
- Expert Lecture on " Data Link Control in Computer Networks" by Dr. Umesh Kumar (Assistant Professor in Department of Computer Engineering) on 28.03.2024, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad.( Beneficiary Count:72)
- Expert Lecture on " Routing in Ad-hoc Networks" by Dr. Parul Tomar (Associate Professor in Department of Computer Engineering) on 19.04.2024, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad.( Beneficiary Count:72)
- Seminar on topic “Opportunities in Higher Education” under Career Guidance Seminar Series on 04.04.2024, , organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad.( Beneficiary Count:100)
- An Expert Lecture (under Expert Lecture Series) on the topic "High Performance Computing & Artificial Intelligence", on 08.04.2024, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad.(Beneficiary Count:230)
- Expert Lecture on " Data Mining and data Warehousing" by Dr. Parul Gupta (Associate Professor in Department of Computer Engineering) on 26.04.2024, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad.(Beneficiary Count:90)

## 19 Faculty served as Invited Speaker/Chair/Resource Person

NIL

## 20 Faculty serving as Editors/Members of Editorial Boards

- Prof. Ashutosh Dixit, Member CSI, ISTE, Indian Science Congress Association
- Dr. Neelam Duhan, Member, ISTE Editorial Board, International Journal of Distributed and Cloud Computing, Publishing India
- Dr. Parul Tomar, Member, ISTE,IEI and IET
- Dr. Sapna Gambhir, Member, ISTE,CSI,IEEE,IAENG,IACSIT,ACM
- Prof. Naresh Chauhan, Member ISTE, CSI, IEEE
- Dr. Ashlesha Gupta, Member CSI

# DEPARTMENT OF COMPUTER APPLICATIONS

**Chairperson: Prof. Manjeet Singh**

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	BCA B.Sc. Animation & Multimedia
2	Post Graduate	MCA M.Sc. Animation & Multimedia

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Manjeet Singh	Ph.D.	Professor	Natural Language Processing, Artificial Intelligence & Machine Learning	05.07.2004
2	Shilpa Sethi	Ph.D.	Associate Professor	Information Retrieval, Artificial Intelligence & Machine Learning Computer Vision	03.01.2006
3	Mamta Kathuria	Ph.D.	Assistant Professor	Computer vision, Artificial Intelligence, Fuzzy Logic	14.01.2008
4	Manvi	Ph.D.	Assistant Professor	Information Retrieval, Internet & Web Technologies, Ontology, Big Data	14.01.2008
5	Vedpal	Ph.D.	Assistant Professor	Software Testing, Object Technologies	03.08.2009
6	Arko Dey	Mfa.	Assistant Professor (Contractual)	Animation, Fine Art, Visual Art, Film Making, Graphic Design, UI UX Design	01.08.2019
7	Aditya	M.Sc.	Assistant Professor (Contractual)	Animation, Film Making	17.09.2018
8	Rajiv	M.Sc.	Assistant Professor (Contractual)	3D Animation	25.10.2021

## 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Mr. Jitender Taneja	Head Of Section (IT)	MCA, Diploma(CE)	–
2	Mr. Mohan Singh	Senior Instructor (IT)	AMIE, Diploma(CE)	–
3	Rashika	Instructor	M.Sc. (Animation & Multimedia)	–
4	Sangeeta	Instructor	BFA	–

#### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	06
2	Publications in National Journals	01
3	Papers presented at International Conferences	04
4	Papers presented at National Conferences	00

#### 5 List of Publications

1. V. Pal (2023). Contemporary Software Testing Techniques: A Review. International Journal of Computer Applications, vol. 185, No. 47, pp. 248-258.
2. V. Pal (2023). Requirement based Test Case Prioritization for System Testing. International Journal on Recent and Innovation Trends in Computing and Communication, vol. 11, pp. 424-437.
3. V. Pal (2024). Prediction & Analysis of Covid-19 Cases Using Autoregressive Integrated Moving Average (Arima). International journal of intelligent systems and applications in engineering. Vol. 26.
4. A. Dey (2024). Artificial intelligence and creativity in animation: exploring the intersection of automated tools and human expression. International Journal of Applied Research, vol. 10, pp: 145-150,
5. A. Dey (2024). The role of concept artists in game development: Bridging vision and reality. International Journal of Multidisciplinary Trends, vol. 6, pp. 12-15.
6. A. Dey (2023). Innovative techniques in character design: Bridging traditional and digital media. IJAR - International Journal of Applied Research, vol. 10, pp. 151-155.
7. A. Dey (2023). Character Design for Interactive Media: Enhancing User Experience through Visual Storytelling. Samdarshi, vol. 16, pp. 4831-4837.

#### 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Dates Duration	Beneficiary Count
1	Workshop on “Whisper of dark beauty of Charcoal”	04.10.2023 to 06.10.2023 (03 days)	40
2	Indogma Film Festival 2023 & Workshops	13.12.2023 to 17.12.2023 (05 days)	100
3	Crimson Connections Exhibition & Workshops	13.02.2024 (01 day)	100

#### 7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff

Sr. No.	Particular	Number
1	STCs/STPS	–
2	Workshops	–
3	Conferences	–
4	FDPs	04

**8 Patents Published/ Granted during the year**

S. No.	Name of Faculty/ Staff	Patent Title	Date of Award	Patent granting body	Status (Published/ Granted)
1	Dr. Shilpa Sethi, Dr. Mamta Kathuria	Thermal Vision Surveillance Robot	22.08.2023	Indian Patent	Granted
2	Dr. Shilpa Sethi, Sh. Arko Dey, Rajiv Ranjan	Method and System for Context-Aware Conversion between 2D and 3D Design Elements	12.06.2024	Indian Patent	Published
3	Dr. Vedpal	Fermentation Controlling AI-Machine	09.02.2024	Indian Patent	Published

**9 Details of Industrial/Site Visits organized**

NIL

**10 Sponsored R & D Projects**

NIL

**11 List of Consultancy Projects Completed**

NIL

**12 List of Ph.D. completed in the Department**

NIL

**13 Awards/ Achievements of the Faculty/Staff/Students**

Sr. No.	Name of Faculty/ Staff/ Student	Name of Awarding Agency(s)	Name of Award/ Prize	Date of Receiving
1	Sh. Arko Dey	Indogma Film Festival 2023	3rd Winner - "Karam Bhoomi Kurukshetra" Best Short Animated Movie.	17.12.2023
2	Sh. Arko Dey	Indogma Film Festival 2023	2nd Winner - "Antariksh ke liye bani hu mei" Best Short Animated Movie	17.12.2023

**14 Placement details of Students**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1	MCA	58	25	10 LPA	4.73 LPA
2	BCA	56	6	6 LPA	2.4 LPA
3	B.Sc. Animation	43	40	7 LPA	4.73 LPA
4	M.Sc. Animation	4	3	12 LPA	5.6 LPA

**15 Major Equipment's/ Software's purchased**

NIL

**16 Higher Education data of students**

NIL

**17 Academic and Extension activities**

NIL

**18 Faculty served as Invited Speaker/Chair/Resource Person**

- Dr. Mamta Kathuria delivered a lecture on Value Added Course on Emerging Computing Techniques conducted by Department of Electrical Engineering, JBCUST, YMCA, 01/09/2023.
- Sh. Arko Dey, delivered a lecture on the topic, Invited Talks on "The Journey of Animation Films", INDOGMA Film Festival, 14/09/2023.
- Sh. Arko Dey, delivered a lecture on the topic, "Encyclopedia of Animation Techniques", J.C. Bose University of Science & Technology, YMCA, Department of Communication & Media Technology, 01/09/2023.
- Sh. Arko Dey, delivered a lecture on the topic, "3D CLO and Design Foundation" at Prerit Design Academy, Delhi on 09.12.2023

**19 Faculty serving as Editors/Members of Editorial Boards**

- Dr. Mamta Kathuria Session chair in NIET International Conference and Summit on Emerging Technologies in Healthcare, held on 23rd and 24th June 2023 in Greater Noida, India.
- Sh. Arko Dey, Session chair at INDOGMA Film Festival held on 23rd and 24th June 2023 in J.C. Bose University of Science & Technology, YMCA.

# **Faculty of Management Studies**

## DEPARTMENT OF MANAGEMENT STUDIES

**Chairperson: Dr. Rachna Agrawal**

### 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	BBA (3/4 years as per provisions of NEP-2020)
2	Minor Degree	GST and e-filing
3	Post Graduate	MBA MBA for working Professionals
4	Doctoral	Ph.D. (MBA)

### 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Ashutosh Nigam	Ph.D.	Professor	Marketing and IT	23.05.2018
2	Manisha Goel	Ph.D.	Associate Professor	Foreign Exchange Risk Management and Consumer Behaviour	11.03.2011
3	Rachna Agrawal	Ph.D.	Associate Professor	Finance and Behavioural Studies	10.09/008
4	Rupali Madan	Ph.D.	Assistant Professor	Marketing	19.09.2008
5	Anushree Chauhan	Ph.D.	Assistant Professor	Human Resource Management	03.08.2009
6	Neha Goyal	Ph.D.	Assistant Professor	Finance	03.08.2009
7	Jyotsana Chawla	Ph.D.	Assistant Professor	Finance	07.08.2009
8	Rajiv Sindwani	Ph.D.	Associate Professor	Service Quality	03.08.2009
9	Renu Aggarwal	Ph.D.	Assistant Professor	Finance	21.03.2012
10	Sapna Taneja	Ph.D.	Assistant Professor	Human Resource Management	02.04.2021
11	Parveen Kumar	Ph.D.	Assistant Professor	Finance & Marketing	02.04.2021
12	Arti Gupta	Ph.D.	Assistant Professor	Human Resource Management	15.04.2021
13	Gunjan Gumber	Ph.D.	Assistant Professor	Marketing	17.07.2019
14	Aniruddh Vijay	Ph.D.	Assistant Professor	Insurance and Marketing	22.07.2019
15	Vikas Kumar	MBA	Assistant Professor	Entrepreneurship	18.07.2019

### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1.	Mr. Parveen Tanwar	DEO	B. A.	01.08.2016
2.	Mr. Suraj	Peon	8th	01.07.2016
3.	Ms. Mona	Peon	12th	01.05.2021

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	19
2	Publications in National Journals	06
3	Papers presented at International Conferences	01
4	Papers presented at National Conferences	02

### 5 List of Publications

1. K Goyal, **A Nigam**, N Goyal; Human resource management practices and employee engagement. *International Journal of Human Capital in Urban Manage* vol. 8(4)pp. 559-72 (2023)
2. K. Goyal, **A. Nigam**, N. Goyal, M. Goyal; Exploring The Relationship Among Dimensions Of Human Resource Flexibility On Employee Engagement, *European Project Management Journal*, vol. 13, pp. 148-161, (2023)
3. A. Nigam, N. Goyal, M. Goyal; Employee Engagement Index: A Graph-Theoretic Matrix Approach K. Goyal, *Global Business and Organizational Excellence* vol. 43, pp. 228-237, (2024)
4. S. Rani, N. Goyal; Financial Literacy And Financial Planning: Identifying The Extent Of Association And Crucial Research Aspects Using Systematic Review And Bibliometric Analysis, *SN Computer Science* vol. 5, pp. 1014-1021, (2024)
5. T. Garg, **R. Madan**; A Bibliographic Review to Identify Trend Topics and Sustainability of Customer Relationship Management Strategies, *Journal of Relationship Marketing*, vol. 23, pp. 721-732, (2024)
6. M. Goyal, R. Aggarwal; Financial Literacy and Access to Finance as Problems of Micro, Small and Medium Enterprises: A Review of Literature in Haryana, *Finance India* vol. 38, pp.551-563, (2024)
7. S. Garg, **R. Aggarwal**, Is the counterfeit currency Mechanism strictly Enforced by Banks and Regulatory Authorities, *Journal of Financial Crime*, vol. 51, pp.948-972, (2024)
8. P. Rani, **R. Agrawal**, T. A. Siddiqui, Systematic review with bibliometric analysis on institutional investors, *International Journal of Business Excellence (Accepted)*
9. A. Kapoor, R. Sindwani, M. Goel, Exploring the symmetric and asymmetric effects of mobile wallet service experience on brand loyalty in India: evidence from SEM and fsQCA, *Journal of Financial Services Marketing (Accepted)*
10. M. Sharma, R. Sindwani, M. Goel; What drives Indian consumers to purchase organic personal care products?: Investigation using a mediated moderation model, *International Journal of Process Management and Benchmarking* , vol. 16, pp. 180-199, (2024)
11. A. Kapoor, R. Sindwani, M. Goel; Assessing inhibitors to adoption of m-wallet: a BWM approach, *International Journal of Business Excellence*, vol. 18, pp. 460-473, (2024)

12. A. Kapoor, R. Sindwani, M. Goel; Decoding the conundrum: exploring complex interlinkages between mobile wallet adoption inhibitors among unorganised retailers, *Journal of Financial Services Marketing*, vol. 29, pp. 1487–1502 (2024)
13. S. Taneja, R. Srivastava & N. Ravichandran, Employees' fairness perception towards performance appraisal system: antecedents and consequences, *Review of Managerial Science*, vol. 18, pp. 1-34 (2024)
14. P. Kumar and Anu; Evaluating ChatGPT adoption through the lens of the technology acceptance model: perspectives from higher education, *International Journal of Technological Learning, Innovation and Development*, vol. 15, pp. 370–383, (2024)

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Dates Duration	Beneficiary Count
1	MDP on “Finance for Non-Finance Professionals”	09.04.2024	39
2	FDP on “Research Methods and Data Analysis”	09.10.2023- 13.10.2023	50
3	National Conference on “G20 India: Vasudhaiva Kutumbakam - Striving for Sustainable Growth and Development Amid Challenges”	0.10.2023- 06.10.2023	150
4	Expert Lecture on “Life Transformation Skills” by Mr. Sudhir Dua	09.02.2023	50
5	Expert Lecture on “Mastering Interview Skills and Personality Development” by Prof. Rakesh Kumar Mudgal	29.01.2024	50
6	Colloquium on “Classroom to Boardroom” by Prof. Sanjeev Gupta	10.04.2024	400
7	Entrepreneurship Summit 2024: Celebrating Innovation and Entrepreneurial Spirit	26.03.2023- 27.03.2023	200
8	‘Faculty and Students Interaction’ with Prof. Sat Prakash Bansal, Hon’ble VC, Central University, Himachal Pradesh	21.03.2024	200
9	Expert Lectures on “How to Raise Funds from Investors” and “How Management Students Can Do Innovation by Achieving Success Through Process Innovation”	28.03.2024	100

## 7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff

Sr. No.	Particular	Number
1	STCs/STPS	NIL
2	Workshops	NIL
3	Conferences	05
4	FDPs	04

## 8 Patents Published/ Granted during the year

NIL

**9 Details of Industrial/Site Visits organized**

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinators	No. of Students
1.	NSIC, Neemka	26.09.2023	Dr. Aarti, Mr. Vikas Kumar	40
2.	NSIC, Neemka	27.09.2023	Dr. Sapna, Dr. Parveen	40
3.	AMUL Plant	06.12.2024	Dr. Gunjan	45

**10 Sponsored R & D Projects**

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount
1.	Dr Rajiv Sindwani	Effectiveness of MOOCs at University Teaching Departments and affiliating institutes of J C Bose University of Science and Technology, YMCA, Faridabad	J C Bose University of Science and Technology, YMCA, Faridabad	2023	Rs 1,95,000

**11 List of Consultancy Projects Completed**

NIL

**12 List of Ph.D. completed in the Department**

NIL

**13 Awards/ Achievements of the Faculty/Staff/Students**

Dr. Jyotsana Chawala Received commendation certificate from district administration, Faridabad in recognition of outstanding work done in the Lok Sabha election 2024.

**14 Placement details of Students**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package (Annual)	Average package (Annual)
1.	MBA	135	29	900000	716000
2.	BBA	62	0	-	-

**15 Major Recruiters**

Greendot Health, Ralycos Crack ED,SMS Group, Corizo Edutech , Academor, SRVA Education, Teachnook etc.

**16 Major Equipment's/ Software's purchased**

NIL

**17 Higher Education data of students**

Sr. No.	Name	Course Taken	Institution	Year of Admission
1	Divyanshi Aggarwal	MBA	DAV Institute of Management	2024
2	Aanchal	MBA	Rawal Institution	2024
3	Ankit Kumar	MBA	J C Bose University of Science and Technology	2024
4	Diksha Kalra	PGDM	Great Lakes Institute of Management, Gurgaon	2024
5	Gauransh Singh	MBA	Bharti Vidyapeeth	2024
6	Simran	PGDM	Jiims Kalkaji	2024
7	Deepanshu	MBA	J C Bose University of Science and Technology, YMCA	2024
8	Bhavya Tayal	MBA Banking and finance	Amity University, Gurgaon	2024

**18 Academic and Extension activities**

Date	Name of Activity	Number of Participants
Oct. 2023- May 2024	Value Added course on “Holistic Personality Development for BBA 2022-25	63

**19 Faculty served as Invited Speaker/Chair/Resource Person****Dr. Renu Aggarwal**

- Invited Speaker: Aggarwal College, Ballabgarh on 27.04.2024. Title:Happiness and Well Being

**20 Faculty serving as Editors/Members of Editorial Boards****Dr. Arti Gupta**

- Editor, Journal of Advances in Management Sciences & Information Systems

# DEPARTMENT OF BUSINESS STUDIES

Chairperson: Dr. Manisha Goel

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	B.Com. (3/4 years as per provisions of NEP-2020)

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Radhika Sharma	M. Com.	Assistant Professor	Marketing	8.11.2021
2	Teena Hasija	Ph.D.	Assistant Professor (Guest Faculty)	Marketing	02.01.2023
3	Rakesh Chander	Ph.D.	Assistant Professor (Guest Faculty)	Finance	02.01.2023
4	Kaveri Verma	Ph.D.	Assistant Professor (Guest Faculty)	Accountancy and marketing	02.01.2023
5	Rohit Sinha	Ph.D.	Assistant Professor (Guest Faculty)	Human Resource Management	03.07.2023
6	Diksha Miglani	Ph.D.	Assistant Professor (Guest Faculty)	Finance	03.07.2023

## 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1.	Parveen Tanwar	DEO	B. A.	01.08.2016
2.	Suraj	Peon	8th	01.07.2016
3.	Mona	Peon	12th	01.05.2021

## 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	–
2	Publications in National Journals	–
3	Papers presented at International Conferences	–
4	Papers presented at National Conferences	–

## 5 List of Publications

NIL

**6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department**

Sr. No.	Particulars	Dates Duration	Beneficiary Count
1	30 Hour Value Added Course on Excel by Mr. Bharat Bhusan	08.08.2023- 17.10.2023	30
2	One Week Workshop on Personal Interview under Industry Readiness Program 7	16.10.2023- 21.10.2023	60
3	One Week Workshop on Group Discussion under Industry Readiness Program	23.10.2023- 31.10.2023	60
4	Workshop on career development	06.02.2024	50
5	30 Hour Value Added Course on Excel by Mr. Bharat Bhusan	13.02.2023- 25.04.2023	30

**7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff**

NIL

**8 Patents Published/ Granted during the year**

NIL

**9 Details of Industrial/Site Visits organized**

NIL

**10 Sponsored R & D Projects**

NIL

**11 List of Consultancy Projects Completed**

NIL

**12 List of PhD completed in the Department**

NIL

**13 Awards/ Achievements of the Faculty/Staff/Students**

NIL

**14 Placement details of Students**

NIL

**15 Major Recruiters**

NIL

**16 Major Equipment's/ Software's purchased**

NIL

**17 Higher Education data of students**

NIL

**18 Academic and Extension activities**

NIL

**19 Faculty served as Invited Speaker/Chair/Resource Person**

NIL

**20 Faculty serving as Editors/Members of Editorial Boards**

NIL

# **Faculty of Sciences**

# DEPARTMENT OF PHYSICS

Chairperson: Prof. Sonia Bansal

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	3/4 Year B.Sc. Physics (Hons/Hons with Research)
2	Post Graduate	M.Sc. (Physics )
3	Doctoral	Ph.D. (Physics )

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Anuradha Sharma	Ph.D.	Professor	Material Science, Microwaves	24.06.2004
2	Sonia Bansal	Ph.D. (Physics) Ph.D. (Comp. Sci.)	Professor	Nanotechnology	10.01.2007
3	Maneesha Garg	Ph.D.	Professor	Radiation Physics	01.08.2007
4	Anuj Kumar	Ph.D.	Associate Professor	Microelectronics/ Photovoltaic	26.04.2021
5	Manikant Yadav	Ph.D.	Assistant Professor	Plasma Physics	03.08.2009
6	Parveen Kumar	Ph.D.	Assistant Professor	Material Science	08.02.2017
7	Arun Kumar	Ph.D.	Assistant Professor	Material Science	28.09.2018
8	Ompal Singh	Ph.D.	Assistant Professor	Material Science	01.10.2018
9	Parmod Kumar	Ph.D.	Assistant Professor	Material Science	04.02.2020
10	Yogita Batra	Ph.D.	Assistant Professor	Condensed matter Physics	11.02.2020
11	Rashi Gupta	Ph.D.	Assistant Professor	Materials Science	02.04.2021
12	Aman Joshi	Ph.D.	Assistant Professor	Material Science	02.04.2021
13	Suresh Panchal	Ph.D.	Assistant Professor	Material Science and Condensed Matter Physics	26.06.2024
14	Kaushal Kumar	Ph.D.	Assistant Professor	Materials Science	31.08.2018

### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Savita	Lab Technician	M.Sc. (Physics)	08.09.2014
2	Suman	Lab Assistant	M.Tech. (Electronics)	06.08.2019
3	Jawahar Lal	Lab Assistant	Diploma (Mech. Engg.)	08.08.2019
4	Vinod Kumar	Lab Assistant	M.Sc. (Physics)	09.08.2021
5	Sunita Gautam	PA to Chairperson (C)	LLB	HKRNL
6	Jairaj	Peon (C)	12th	HKRNL
7	Monu	Lab Attendant (C)	10th	HKRNL

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	27
2	Publications in National Journals	–
3	Papers presented at International Conferences	06
4	Papers presented at National Conferences	–

### 5 List of Publications

1. K. Tewatia, **A. Sharma**, S. Lal, S. Yarramaneni, T. Kumar, A. Kumar; Investigation of Dielectric and Piezoelectric Properties of Polyvinylidene Fluoride Films Reinforced with Anatase Phase Titanium Dioxide for Pressure Sensing. *Journal of Electronic Materials* (2024).
2. **S. Bansal**, P. Chaudhary, B. B. Sharma, Sunaina Saini, Aman Joshi; Review of MXenes and their composites for energy storage applications. *Journal of Energy Storage*, Vol. 87, pp. 111420 (2024).
3. P. Chaudhary, **S. Bansal**, B. B. Sharma, S. Saini, A. Joshi; Waste biomass derived activated carbons for various energy storage device applications: A Review. *Journal of Energy Storage*, Vol. 78, pp. 109996 (2024).
4. Priyanka, **S. Bansal**, P. Kaur; Microstrip and Metamaterial Embedded Patch Antenna Sensors for Determination of Moisture in Rice, Wheat, and Pulse Grains. *Journal of the Electrochemical Society*, Vol. 171, pp. 17504 (2024).
5. Priyanka, **S. Bansal**, P. Kaur; Priyanka, S. Bansal, P. Kaur Reconfigurable Ring Antenna Sensor for Detection of Adulteration in Liquids. *Journal of Solid State Science and Technology*, Vol., 13, pp. 37001 (2024).
6. Afsana, **S. Bansal**; Low Cost Flexible Graphene Oxide Humidity Sensor Fabricated Using Inkjet Printing and Aerosol Deposition. *Journal of The Electrochemical Society*, Vol. 171, pp. 77513 (2024).
7. T. Sharma, **M. Garg**; Relaxation behaviour of pristine and ZnO impregnated PS nanocomposite films using thermally stimulated depolarization current technique. *Physica B: Condensed Matter*, Vol. 667, pp. 415186 (2023).
8. T. Sharma, **M. Garg**; Effect of ZnO nanoparticles and temperature on dielectric constant/loss properties of polystyrene nanocomposite films. *Eur. Phys. J. Plus*, Vol. 138, pp. 611 (2023).
9. B. Singh, K. Kant, **M. Garg**; Monitoring of natural radionuclides by alpha scintillometry and gamma spectrometry techniques in soil of district Palwal, Southern Haryana, India. *International Journal of Environmental Analytical Chemistry*, Vol. 104, pp. 73-86 (2024).
10. V. Narwal, D. Dalal, A. Singh, D. Kumar, S. K. Swami, N. Chaturvedi, M. Kumar, **A. Kumar**; Synthesis of ZnO/CZTS Hetero-Structure Junction by Sol–Gel Spin Coating Technique. *IETE Journal of Research* (2024).
11. **A. Kumar**, D. Dalal, A. Singh, D. Kumar, V. Narwal, S. K. Swami, N. Chaturvedi, M. Kumar; Study of deposition temperature effect on spray-deposited copper oxide thin films and its Schottky diodes. *Physica Scripta*, Vol. 99, pp. 75927 (2024).

12. S. Mahich, **A. Kumar**, Y. K. Sain, D. Kumar, V. Devra, A. Singh, K. Aggarwal, Y. Arya; Metal free adsorption and photodegradation methods for methylene blue dye removal using different reduction grades of graphene oxide. *Heliyon*, Vol. 10, pp. e31702 (2024).
13. A. Rajpal, **P. K. Goyal**, I. Rawal, A. Sharma, V. Kumar; Tailoring of EMI Shielding Properties of Camphor Sulphonic Acid Mediated Polypyrrole Nanomaterials. *J. Electron. Mater.* 53 pp. 3154–3166 (2024).
14. P. Singh, S. Sharma, K. Kumar, Shweta, G. Iyer, S. Das, **A. Kumar**; Tribological and Thermal Behaviour of low loadings Carbonaceous filler reinforced Epoxy Nanocomposites. *Composites: Mechanics Computations Applications Begell House* (2024).
15. Shweta, V. Singh, V. Singh, S. Yarramaneni, M. Ashiq, K. Kumar, P. Gautam, **A. Kumar**; Photocatalytic activity of MWCNTs reinforced MoS<sub>2</sub> nanosheets. *Journal of Electronic Materials*, Vol. 53, pp. 5193–5203 (2024).
16. P. Singh, S. Sharma, K. Kumar, G. Iyer, S. Lal, **A. Kumar**; Viscoelastic behaviour of Yttrium Oxide and Reduced Graphene Oxide Embedded Epoxy Nanocomposite. *Engineering Research Express*, Vol. 6, pp. 25522 (2024).
17. P. Singh, S. Sharma, K. Kumar, G. Iyer, **A. Kumar**; A Comparative Studies on Mechanical Properties of Yttrium Oxide and Reduced Graphene Oxide Reinforced Epoxy Nanocomposites. *Journal of Materials Engineering and Performance* (2024).
18. Shweta, V. Singh, K. Kumar, A. Kumar; Performance Evaluation of 2D MoS<sub>2</sub>-based Solar Cells and Realization of Transparent Ultra-thin Devices. *Modelling and Simulation in Materials Science and Engineering*, Vol. 32, pp. 035005-14 (2024).
19. V. Kumar, D. S. Ahlawat, P. Kumar, **O. Singh**, A. Singh, S. Kumar; Yttrium ion influence on the structural, electrical, dielectric, and magnetic properties of  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> nanoparticles synthesized via Sol-Gel method. *Materials Science and Engineering: B*, Vol. 304, pp. 117351 (2024).
20. K. Gupta, S. Gupta, **Y. Batra**; Exploring the thermoelectric potential of Cu<sub>2</sub>ZnSnS<sub>4</sub> (CZTS): Experimental insights and future directions. *Materials Science and Engineering: B*, Vol. 303, pp. 117291 (2024).
21. K. Singh, K. Gupta, **Y. Batra**, V. Rathi, Parmod Kumar, D. Kanjilal, T. Kumar, R. K. Brajpuriya, A. Kumar; Disorder induced in GaN thin films by 200 MeV silver ions. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, Vol. 551, pp. 165346 (2024).
22. K. Singh, **Y. Batra**, V. Rathi, Parmod Kumar, D. Kanjilal, T. Kumar, R. K. Brajpuriya, A. Kumar; Ion induced transformation of shallow defects into deep level defects in GaN epilayers. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, Vol. 552, pp. 165362 (2024).
23. S. Gupta, M. Sharma, **Y. Batra**; Advancement of germanium-based thermoelectric materials: a bibliometric and network analysis. *Physica Scripta*, Vol. 99, pp. 105051 (2024).
24. R. Verma, S. Goel, K. Verma, K. Kant, R. Kumar, **M. Garg**, R. Gupta; Study of Di /Ferro /Piezoelectric Properties of Sm<sup>3+</sup> Doped ZnO. *Journal of Electronic Materials* (2024).
25. S. Saini, P. Chand, **A. Joshi**; Fabrication of ultrahigh supercapacitor device based on ZnCo<sub>2</sub>O<sub>4</sub> MnO<sub>2</sub> with porous nanospheres decorated on flower-shaped nanostructures. *Journal of Energy Storage*, Vol. 71, pp. 108209(2023).
26. S. Saini, P. Chand, **A. Joshi**; Electrochemical Performance of MnO<sub>2</sub> Composite with Activated Carbon for Supercapacitor Applications. *Indian Journal of Engineering and Material Sciences (IJEMS)* (2023).
27. **A. Joshi**, P. Chand, S. Saini; Transition Metal Doped BiPO<sub>4</sub> Nanostructures for Energy Storage Applications. *Journal of alloys and compound*, Vol. 982, pp. 173663 (2024).

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Dates and Duration	Beneficiary Count
1	Invited lecture on Mathematical Physics and its applications by Dr. Vinamrita Singh	08.09.2023 (01 Day)	60
2	Presentation of Sci-Fi visuals exploring the possibilities of brain transformations	26.09.2023 (01 Day)	60
3	Expert lecture on the Intellectual Property Rights	20.10.2023 (01 Day)	92
4	Chetna series lecture on topic Generation of Attosecond Pulse of light for the study of Electron Dynamic by Ms. Anita Sharma	03.11.2023 (01 Day)	20
5	Baithak-e-Bhautiki - where ideas find voice	06.11.2023 (01 day)	150
6	Preparation and presentation of documentary – The voice of life: Jagdish Chandra Bose revealing the essence of life of Sir Jagdish Chandra Bose	30.11.2024 (01 day)	250
7	A workshop on simulations using NanoDcal, Impulse Technology, Gurugram	12.12.2023 (01 Day)	30
8	Presentation of Sci-Fi visuals exploring establishment, rapture and recovery of electromagnetism of earth	11.01.2024 (01 day)	60
9	Mentorship event on innovative ideas in Materials Science	29.01.2024 (01 day)	90
10	A skit performance by Pragyanam Society - To prevent students suicide in India	10.02.2024 (01 day)	90
11	Battleground ‘physics playground’ it’s all about learning through play by Pragyanam Society	26.02.2024 (01 day)	60
12	Baithak-e-Bhautiki presents ‘moolheen vraksh’ with idea of connecting dots between ancient scriptures and contemporary theories.	04.03.2024 (01 day)	60
13	Workshop on Nanomaterials synthesis and Characterization Techniques	13.03.2024 to 14.03.2024 (02 Day)	90
14	Expert Lecture on Marvels of Material Science by Prof. Maneesha Garg	28.03.2024 (01 Day)	65
15	Chetna series lecture on Photocatalysis by Ms. Tripti	05.04.2024 (01 Day)	20
16	Expert Lecture on Photonics: The Science of light by Prof. Anuradha Sharma	24.04.2024 (01 Day)	62
17	One day workshop prototype design and development of semiconductor devices	26.04.2024 (01 Day)	–

## 7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff

Sr. No.	Particular	Number
1	STCs/STPS	–
2	Workshops	–
3	Conferences	09
4	FDPs	01

## 8 Patents Published/ Granted during the year

NIL

## 9 Details of Industrial/Site Visits organized

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinators	No. of Students
1	IISF – 2023, RCB & THSTI, Surajkund Faridabad	17.01.2024 to 20.01.2024	Dr. Ompal Singh, Dr. Arun Kumar, Dr. Kaushal Kumar	250
2	INST Mohali and Punjab University Chandigarh	17.04.2024 - 18.04. 2024	Dr. Sonia Bansal, Dr. Ompal Singh, Dr. Aman Joshi	50
3	Suraj Kund Mela	13.02.2024	Dr. Sonia Bansal	60
4	Narora Atomic Power station, Narora, Uttar Pradesh	03.05.2024	Dr. Ompal Singh, Dr. Aman Joshi	45

## 10 Sponsored R & D Projects

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount
1	Dr. Sonia Bansal (PI) Dr. Aman Joshi (CO-PI)	Development of Biomass Derived Activated Carbon for Electrode materials in Energy Storage application	HSCSIT, Haryana	2022	32.80 lakhs
2	Dr. Anuj Kumar (PI) Dr. Ompal Singh (CO-PI)	Design and fabrication of PZT based energy harvesting generator by low-cost chemical technique	HSCSIT, Haryana	2023	27.95 Lakhs
3	Dr. Yogita Batra	Energy autonomous, compact, flexible energy systems	HSCSIT, Haryana	2022	49.60 Lakhs
4	Dr. Anuj Kumar	Fabrication of CZTS based solar cell by sol-gel spin coating	JCBUST, Faridabad	2023	2 Lakhs
5	Dr. Ompal Singh	Investigation of crystal structure dependent magnetoelectric properties in Bismuth ferrite and Cobalt Hexaferrite composite multiferroic ceramics	JCBUST, Faridabad	2023	2 Lakhs
6	Dr. Aman Joshi	Development of activated carbon as electrode material for energy storage applications	JCBUST, Faridabad	2023	2 Lakhs
7	Dr. Preet Kaur (PI) Dr. Sonia Bansal (CO-PI)	Design and Development of Nano Antenna Sensor System for real time analysis	HSCSIT, Haryana	2023	40 Lakhs

## 11 List of Consultancy Projects Completed

NIL

**12 List of PhD completed in the Department**

NIL

**13 Awards/ Achievements of the Faculty/Staff/Students**

NIL

**14 Placement details of Students**

Sr. No.	Name of Program	No. of Eligible Students	No. of students placed	Highest package	Average package
1	B.Sc. Physics (Hons)	48	10	4.5 LPA	3 LPA
2	M.Sc. Physics	45	25	5 LPA	3.5 LPA

**15 Major Recruiters**

Indian Oil

**16 Major Equipment's/ Software's purchased**

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	NanoDCal Software	7,46,500/-	12.12.2023
2	Muffle Furnace	1,00,300/-	13.12.2023
3	Vaccum Furnace with Ar gas cylinder	1,50,000/-	13.12.2023

**17 Higher Education data of students**

Sr. No.	Name of Program	No. of Eligible Students	Enrolled for M.Sc./ Ph.D.	Enrolled for MBA	Enrolled for B.Ed.
1	B.Sc. Physics (Hons.)	48	23	00	02
2	M.Sc. Physics	45	00	00	15

**18 Academic and Extension activities**

- B. Sc. Physics (Hons.) 2021-24 batch students plied literacy drive in their neighbourhoods during the session 2023-24.
- Ayushi (Roll No. 21001321010) and Payal (Roll No. 21001321039) from B. Sc. Physics introduced their juniors to various societies and clubs operational in department and university premises.
- Rakesh (Roll No. 22001752034) and Nikku Mahla (Roll No. 22001752029) of M. Sc. Physics (2022-24) helped students during admission counselling for session 2023-24.
- Anchal Wadhwa (Roll No. 22001752002) and Salony Chaudhary (Roll No. 22001752037) of M. Sc. Physics (2022-24) motivated students to take part in co-curricular and distinguished activities of university clubs/societies.
- Megha Sardana (Roll No. 22001752001), Bindu Rajput (Roll No. 22001752006), Ritika Kaushik (Roll No. 22001752036), Vivek Gupta (Roll No. 22001752049) and Kunika Goyal (Roll No. 22001752020) of M. Sc. Physics (2022-24) helped their junior students in their study related problems.
- Bhanushreya (Roll No. 22001752005) of M. Sc. Physics performed her duties well efficiently as President, Pragyanam Society, An educational society of the Department of Physics during session 2023-24.

- Manisha Bhardwaj (Roll No. 22001752023) and Upasna Singh (Roll No. 22001752047) motivated students for plantation drive to curb pollution.
- Rakesh Kumar (Roll No. 22001752034) and Nikku Mahala (Roll No. 22001752029) from M. Sc. Physics conducted an awareness drive in the local poor and illiterate community for their fundamental rights.
- Kanika (Roll No. 22001752017) and Tanu (Roll No. 22001752046) from M. Sc. Physics guided female students from poor backgrounds for the betterment of their living standards.

## **19 Faculty served as Invited Speaker/Chair/Resource Person**

### **Dr. Sonia Bansal**

- Delivered 10 live lecture/s on EDUSAT network through VYAS Channel at Consortium for Educational Communication (CEC) under Inter–University Centre of University Grants Commission (UGC), New Delhi.

### **Dr. Maneesha Garg**

- Expert lecture on ‘Plagiarism and Ethical Research’ in Two days Multidisciplinary workshop on Research paper writing organized by UGC cell of GGSDS college, Palwal held on 15-16th April 2024.

## **20 Faculty serving as Editors/Members of Editorial Boards**

### **Dr. Kaushal Kumar**

- Frontiers in Materials

# DEPARTMENT OF CHEMISTRY

Chairperson: Dr. Ravi Kumar

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	3/4 Year B.Sc. Chemistry (Hons/Hons with Research)
2	Minor Degree	Polymer Science & Technology
3	Post Graduate	M.Sc. (Chemistry)
4	Doctoral	Ph.D. (Chemistry)

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Ravi Kumar	Ph.D.	Associate Professor	Organic Synthesis	31.01.2020
2	Bindu Mangla	Ph.D.	Associate Professor	Corrosion Science, Material Chemistry	02.04.2021
3	Sita Ram	Ph.D.	Assistant Professor	Medicinal and Synthetic Organic Chemistry	13.02.2017
4	Vinod Kumar	Ph.D.	Assistant Professor	Optical Spectroscopy	15.02.2020
5	Anurag Prakash Sunda	Ph.D.	Assistant Professor	Physical and Theoretical Chemistry	03.02.2020
6	Pooja	M.Sc., NET	Assistant Professor	Computational Chemistry and Bioinformatics	06.02.2020
7	Sunil Kumar	Ph.D.	Assistant Professor	Heterocyclic Synthesis & Medicinal Chemistry	02.04.2021
8	Sandeep Kumar	Ph.D.	Assistant Professor	Nanochemistry and colloidal chemistry	02.04.2021
9	Amit Rajput	Ph.D.	Assistant Professor	Metal Coordinated Ligand Radical Species	06.04.2021
10	Bhawna Uttam	Ph.D.	Assistant Professor	Supramolecular Chemistry and Chemical Biology	26.04.2021
11	Shilpa Behl	Ph.D.	Assistant Professor	Organomettallic chemistry	26.07.2018
12	Vishwas Khurana	Ph.D.	Assistant Professor	Synthetic studies in Organic Chemistry	26.07.2018
13	Nobel Tomar	Ph.D.	Assistant Professor	Mixed Metal Oxides	26.08.2018 to 20.04.2024

### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Ankita	Lab Assistant	B.Sc. Chemistry (Hons.)	07.08.2019
2	Naveen Kumar Yadav	Lab Assistant	B.Tech. (Mech. Engg.)	28.08.2019
3	Krishan Kumar	Lab Assistant	B.Sc. (Non-Med)	05.12.2019
4	Suman	PA to Chairman (C)	M.A.	–
5	Medha	PA to Chairman (C)	B.A.	–
6	Sarshwati	Lab Attendant (C)	12th	–
7	Bahram Dutt	Peon (Contractual)	12th, ITI Diploma	–

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	38
2	Publications in National Journals	00
3	Papers presented at International Conferences	02
4	Papers presented at National Conferences	–

### 5 List of Publications

1. A. Sethi, C. Rajeev, A. U. Kumar, P. Sharma, **A. P. Sunda** and V. M. Dhavale; Assessing the Impact of Antisolvent-Regulated ZnCl<sub>2</sub> Water-in-Salt Electrolyte on Solvation Structure: A Multiscale Computational Validation for Aqueous Zn-ion Battery Application. *J. Mater. Chem. A*, Vol. 12, pp. 23049-23058 (2024).
2. P. Jhariat, Anil K. U, A. Warriar, **A. P. Sunda**, S. Das, S. Sarfudeen, V. M. Dhavale, and T. Panda; Hydroxide Ion Conduction through Viologen-based Covalent Organic Frameworks (vCOFs): An Approach towards the Advancement. *ACS Applied Materials & Interfaces*, Vol. 16, pp. 23387-23395 (2024).
3. **A. P. Sunda** and A. K. Sharma; Molecular Insights of Cu/Zn metal response to the Amyloid  $\beta$ -peptide (1-42). *ACS Physical Chemistry Au*, Vol. 4, pp. 57-66 (2024).
4. **S. Behl**, V. Lahariya, P. P. Pandey, R. Kumar; Recent developments in V<sub>2</sub>C MXene as energy storage materials: Promises, challenges and future prospects. *Journal of Energy Storage*, Vol. 92, pp. 112176 (2024).
5. Chander, Monika, D. Sharma, P. K. Sharma, **S. Ram**; Triazole-benzenesulfonamide hybrids: synthesis, biological evaluation, and molecular docking study as non-toxic antimicrobial and antioxidant agents. *Journal of Molecular Structure*
6. V. Singh, S. Hamad, **S. Ram**, Isha Saini; Recent development in bimetallic metal organic frameworks as photocatalytic material. *Inorganic Chemistry Communications*
7. Monika, Chander, D. Sharma, P. K. Sharma, **S. Ram**; Synthesis and biological evaluation of novel benzenesulfonamide incorporated thiazole-triazole hybrids as antimicrobial and antioxidant agents. *Archive der Pharmazie*
8. P. Kasana, Sakshi Sonia, R. Kumara, Monalisa Mukherjeeb, and **V. Kumar**; Ionic Liquid Induced p-Nitrophenol Prototropism. *Journal of ionic liquids*
9. P. Kasana, Saloni and **V. Kumar**; How to Control Excited-State Prototropism of Photoacids via the Acidity of Ionic Liquids. *Chemistry Select*
10. P. Singh, V. Bhankar, **S. Kumar**, K Kumar; Biomass-derived carbon dots as significant biological tools in the medicinal field: A review. *Advances in Colloid and Interface Science*

11. P. Singh, Arpita, **S. Kumar**, P. Kumar, N. Kataria, V. Bhankar, K. Kumar, R. Kumar, C. Te Hsieh and K. S. Khoo; Assessment of biomass-derived carbon dots as highly sensitive and selective templates for the sensing of hazardous ions. *Nanoscale (RSC)*
12. P. Singh, **S. Kumar**, K. Kumar; Biogenic synthesis of Allium cepa derived magnetic carbon dots for enhanced photocatalytic degradation of methylene blue and rhodamine B dyes. *Biomass Conversion and Biorefinery*
13. P. Singh, **S. Kumar**, K. Kumar; S,Cl doped C dots and S g C<sub>3</sub>N<sub>4</sub> heterojunction for enhanced photocatalytic remediation of dye polluted wastewater. *Biomass Conversion and Biorefinery*
14. N Rani, P. Singh, **S. Kumar**, P. Kumar, V. Bhankar, N. Kamra, K. Kumar; Recent advancement in nanomaterials for the detection and removal of uranium: A review. *Environmental Research*,
15. Sonia, H. Kumari, S. Chahal, Suman, **S. Kumar**, Mahak, P. Kumar, A. Kumar; Hydrothermally synthesized ZnFe<sub>2</sub>O<sub>4</sub>/ZnO heterojunction nanocomposites for enhanced RB dye degradation via Z-scheme photocatalysis. *Materials Chemistry and Physics*
16. S. Devi, Tripta, Suman, Ankita, A. Kumar, S. Singh, V. Kumar, **S. Kumar**, R. Kumar, P. Kumar; Enhanced photocatalytic activity of  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>/MgO nanocomposites for environmental sustainability. *Ceramics International*
17. Ankita, S. Chahal, S. Singh, L. Kumar, V. Gupta, **S. Kumar**, S. Kumar, P. Kumar; Gd doped Cerium Oxide for organic dye degradation and tuning of magnetic properties. *Materials Science and Engineering: B*
18. T. Tripti, P. Singh, N. Rani, **S. Kumar**, K. Kumar, P. Kumar; Carbon dots as potential candidate for photocatalytic treatment of dye wastewater. *Environmental Science and Pollution Research*
19. Tripti, **S. Kumar**, P. Kumar; Pennisteam glaucum-derived carbon dots, synthesized through green approach to degrade Rose Bengal and Methylene Blue dyes photocatalytically. *Diamond & Related Materials*,
20. Arpita, P. Kumar, R. Kumar, C. Te Hsieh, K. S. Khoo, **S. Kumar**; Biogenic synthesis of hollow carbon dots using cigarette ash for photocatalytic and sensing applications. *Surface & Interfaces*
21. A. Ankita, S. Chahal, S. Singh, **S. Kumar**, P. Kumar; Europium-doped cerium oxide nanoparticles: investigating oxygen vacancies and their role in enhanced photocatalytic and magnetic properties. *Environmental Science and Pollution Research*
22. N. Kataria, V. K. Garg, P. Kumar, C. Han, I. Anastopoulos, **S. Kumar**; Carbon-based nanomaterials: systematic enumeration and proficient template for detection and remediation of hazardous pollutants. *Environmental Science and Pollution Research*
23. Ankita, S. Chahal, S. Singh, Suman, K. Kanishka, H. D. Silva, A. Kumar, **S. Kumar**, L. Kumar, M. Yoshimura, R. Kumar, P. Kumar; Morphology mediated photocatalysis and room temperature ferromagnetism in cerium oxide. *Vacuum*
24. N. Rani, P. Singh, **S. Kumar**, P. Kumar, V. Bhankar, K. Kumar; Plant-mediated synthesis of nanoparticles and their applications: A review. *Materials Research Bulletin: Volume 163, July 2023, 112233. Surfaces and interfaces*
25. G. Mali, I. Verma, H. Arora, **A. Rajput**, M. V. Mane, A. Kumar, R. D. Erande; Vanadium (IV)oxo catalyzed One-Pot transformation of cinnamate to aromatic ester and its mechanistic aspects. *Tetrahedron letters Vol. 144, 155133 (2024)*.
26. P. Shukla, I. Tarannum, S. Roy, **A. Rajput**, P. Lama, S. K. Singh, J. Kłak, J. Lee and S. Das; Effect of diamagnetic Zn(II) ions on the SMM properties of a series of trinuclear ZnDy<sub>2</sub> and tetranuclear Zn<sub>2</sub>Dy<sub>2</sub> (LnIII = Dy, Tb, Gd) complexes: combined experimental and theoretical studies. *Dalton Transaction, Vol. 53, pp. 7053-7066 (2024)*.
27. P. Vashishth, H. Bairagi, R. Narang, S. K. Shukla, **B. Mangla**; Thermodynamic and Electrochemical investigation of Inhibition Efficiency of Green Corrosion Inhibitor and its comparison with Synthetic Dyes on MS in Acidic Medium.. *Journal of Molecular Liquids. Vol. 365, pp. 120042*.
28. R. Narang, P. Vashishth, H. Bairagi, R. Sehrawat, S. K. Shukla, and **B. Mangla**; Applicability of Drugs as Sustainable Corrosion Inhibitors. *Advanced Materials Letter, 23041732 (2023)*.
29. R. Narang, P. Vashishth, H. Bairagi, S. K. Shukla, and **B. Mangla**; Experimental and Computational Studies of a Novel Metal Oxide Nanoparticle/Conducting Polymer Nanocomposite (TiO<sub>2</sub>/PVP) as a Corrosion Inhibitor on Low-Carbon Steel in Diprotic Acidic Medium. *Industrial & Engineering Chemistry Research, Vol 62, pp. 10982-11000 (2023)*.

30. A.Rajput, Upma, S. K. Shukla, N. Thakur, A. Debnath and **B. Mangla**; Advanced Polymeric Materials for Aerospace Applications . *Aerospace polymeric materials*
31. S. Singh, R. Lakhia, S. Yadav, P. Devi, K. Yadav, **V. Chaudhri**, and R. Pundeer; Advancements in the Synthesis of Triazolopyrimidines. *Current Organic Chemistry*, Vol 28, pp. 1567-1578 (2024).
32. S. Devi, A. Sharma, V. Karoshi, **S. Kumar**, A. Kumar, and J. Sindhu; Metal-Free Synthesis of 2-Aminothiazole Functionalized Imidazo[1,2-a]pyridines as Antibacterial Agents. *Indian Journal of Heterocyclic Chemistry*, Vol. 34, pp. 23-34(2024).
33. P. Aneja, P. Negi, S. Aneja, S. R. Garad, **S. Kumar**; Formulation optimization of pH-sensitive liposomes based drug delivery of Carboplatin and anti-proliferative evaluation against A549 (human lung carcinoma) cell line. *Main Group Chemistry*, Vol. 22, pp. 403-421 (2023).
34. R Rimi, **B. Uttam**, V. V. Zhdankin, **R. Kumar**; New Isoxazole -Substituted Aryl Iodides: Metal-Free Synthesis, Characterization and Catalytic Activity. *European Journal of Organic Chemistry*, pp. e202301191 (2023).
35. Rimi, P. Kumar, **B. Uttam**, **R. Kumar**; Highly Efficient Cauliflower-like Palladium-Loaded Porous MOF as a Robust Material for the Degradation of Organic Dyes. *ACS omega* 8 (42), 38895-38904
36. R Rimi, **R. Kumar**, **B. Uttam**; Porous Pd-loaded IRMOF-9 as Highly Efficient Recyclable Material towards the Reduction of Nitroaromatics in Aqueous Media. *ChemPlusChem*
37. J. Ingle, **B. Uttam**, R. Panigrahi, S. Khatua, S. Basu; Dog-bone shaped gold nanoparticle-mediated chemo-photothermal therapy impairs the powerhouse to trigger apoptosis in cancer cells. *Journal of Materials Chemistry B*, Vol. 11, pp. 9732-9741 (2023).
38. **B. Uttam**, S. Polepalli, CP Rao; Synthetic strategies for the functionalization of upper or lower rim of supramolecular calix[4]arene platform. *ARKIVOC*, pp. 254-279 (2023).

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Dates and Duration	Beneficiary Count
1	One Day Workshop cum Panel Discussion on 'Angel Investment and Funding Opportunities for Early-Stage Entrepreneurs' organized by Dr. A. P. Sunda and Dr. Somvir.	17.08.2023 (01 Day)	92
2	Department Seminar Series, Internal and External Expert Speaker: Prof Vijay K. Goel (JNU, New Delhi), Prof. Brijesh Rathee (Hansraj College, DU), Prof. Ram Sagar Mishra (JNU, New Delhi)	2023-2024	84

## 7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff

Sr. No.	Particular	Number
1	STCs/STPS	01
2	Workshops	01
3	Conferences	02
4	FDP	01

## 8 Patents Published/ Granted during the year

NIL

## 9 Details of Industrial/Site Visits organized

NIL

**10 Sponsored R & D Projects**

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount
1	Dr. Bindu Mangla	Bioengineered Nanopatterned renewable carriers as scaffold for enzyme immobilization for enhanced stability and catalytic activities	DST Haryana Research grant	2023	36.75 lakhs
2	Dr. Anurag Prakash Sunda	Microphase Separation Morphology and Ion Dynamics in Anion Exchange Membrane Fuel Cell Applications	SERB-CRG (Now ANRF)	2023	32.14 Lakhs
3	Dr. Anurag Prakash Sunda	Polymeric Form of Ionic Liquids	UGC-BSR Grant	2022	10 Lakhs
4	Dr. Somvir Bajar (PI) Dr. Anurag Prakash Sunda (CO-PI)	Volatile Organic Compounds in Ambient Air: Source Apportionment and DFT Quantum Analysis for NCR Region	Haryana State Council for Science, Innovation and Technology (HSCSIT), Govt. of Haryana	2024	30 Lakhs
5	Dr. Amit Rajput	Development of Non-innocent (Redox-active) o-aminophenolate metal complexes as potent antiviral agents for SARS-CoV-2	SERB - SURE (Now ANRF)	2022	30 lakhs
6	Dr. Bhawna (PI) Dr. Amit Rajput (CO-PI)	Development of Spiropyran based metal complexes as potent drug candidate for effective photodynamic and photothermal cancer therapy	SERB POWER Grant	2023	30 lakhs

**11 List of Consultancy Projects Completed**

NIL

**12 List of PhD completed in the Department**

NIL

**13 Awards/ Achievements of the Faculty/Staff/Students**

NIL

**14 Placement details of Students**

NIL

**15 Major Recruiters**

Indian Oil, Jubilant etc.

**16 Major Equipment's/ Software's purchased**

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	HPC Cluster [ANRF-CRG grant of Dr. Anurag]	9,91,600	13.03.2024
2	5 KVA Uniline UPS [ANRF-CRG grant of Dr. Anurag]	91,000	23.03.2024

**17 Higher Education data of students****M.Sc. Students**

Sr. No.	Name of Exam	Student's Name	Roll Number	Percentile Score
1	GATE	Kashish Kohli	CY22S43004139	329
2	GATE	Tamanna Yadav	CY22S43007451	343
3	GATE	Geetika	CY23S43003149	325
4	GATE	Monika	CY24S13004132	417
5	GATE	Pooja Rani	CY24S13006087	462
6	GATE	Priyanka Gola	CY24S13006231	322
7	GATE	Ruchi	CY24S13004092	432
8	GATE	Yashika Jain	CY24S13006019	362
9	GATE	Sourav Kumar	CY24S18001112	397
10	GATE	Shweta Dagar	CY24S13008095	362

**B.Sc. Students**

Sr. No.	Student's Name	Name of Institution	Program Enrolled
1	Muskan Kumari	NIT Hamirpur	M.Sc. Chemistry
2	Shivam kheral	IIT Mandi	M.Sc. Chemistry
3	Rahul Kathuria	Indian Institute of technology patna	M.Sc. Chemistry
4	Sandhya	JC Bose University of Science and Technology YMCA Faridabad	M.Sc. Chemistry
5	Himanshu bihani	National institute of technology, Warangal	M.Sc. Chemistry
6	Divya	Indira Gandhi Delhi Technical University For Women, Delhi (IGDTUW )	MBA
7	Yash	JC Bose University of Science and Technology YMCA Faridabad	M.Sc. Chemistry
8	Jyoti sanger	JC Bose University of Science and Technology YMCA Faridabad	M.Sc. Chemistry
9	Jitesh Sharma	Delhi University	M.Sc. Chemistry
10	Sunita	JC Bose University of Science and Technology YMCA Faridabad	M.Sc. Chemistry
11	Ronak Jain	Department of chemistry, Delhi University	M.Sc. Chemistry
12	Chanchal Chaudhary	JC Bose University of Science and Technology YMCA Faridabad	M.Sc. Chemistry
13	Vanshika Rawat	JC Bose University of Science and Technology YMCA Faridabad	M.Sc. Chemistry
14	Priya goyal	Sir Rattan Singh girls college of education	M.Sc. Chemistry

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15	Lalita	Delhi University north campus	M.Sc. Chemistry
16	Harshit Sachdeva	University of Delhi	M.Sc. Chemistry
17	Nidhi	JC Bose University of Science and Technology YMCA Faridabad	M.Sc. Chemistry

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## 18 Academic and Extension activities

NIL

## 19 Faculty served as Invited Speaker/Chair/Resource Person

### Dr. Bhawna Uttam

- Young Invited Speaker: Emerging trends in supramolecular Science and Technology (ETSST-2024) held on March 7-8 at SRM University, AP. Title: Development of MOF materials for various organic transformations.

### Dr. Sunil Kumar

- 2nd International Conference on Cutting Edge Technologies (ICCET-2024), held on February 9th-10th, 2024 at IIMT College of Pharmacy, Greater Noida. Title: Synthesis, Characterization and Biological Evaluation of Some 1,3-Azoles.

### Dr. Anurag Prakash Sunda

- Resource Person in FDP on 'Emerging Trends in Soft & Functional Materials (ETSF-23)' at Madan Mohan Malaviya University of Technology, Gorakhpur held on Dec. 12, 2023.
- Invited Lecture: International Conference on Green Chemistry Solutions for Sustainable Future (ICGCSSF-2023), GITAM University Bangaluru held on Sept 20-22, 2023.

## 20 Faculty serving as Editors/Members of Editorial Boards

### Dr. Bhawna Uttam

- Editor, J.C. Bose University e-journal, J.C. Bose Journal of Engineering, Technology & Sciences (JCBJETS)

## DEPARTMENT OF MATHEMATICS

**Chairperson: Prof. Neetu Gupta**

### 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	3/4 Year B.Sc. Mathematics (Hons/Hons with Research)
2	Under Graduate	3/4 Year B.Sc. Mathematics and Computing
3	Post Graduate	M.Sc. (Mathematics)
4	Doctoral	Ph.D. (Mathematics)

### 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Neetu Gupta	Ph.D.	Professor	Operations Research	02.08.2004
2	Reena Garg	Ph.D.	Assistant Professor	Reliability Theory	14.01.2008
3	Nisha Singh	M.Sc., NET	Assistant Professor	Applied Mathematics	28.02.2014
4	Arpita Chatterjee	Ph.D.	Assistant Professor	Quantum Optics and Quantum Information Processing	16.08.2018
5	Ramu Dubey	Ph.D.	Assistant Professor	Non-linear Dynamics and Operations Research	28.08.2018
6	Abhishek	M.Sc. NET	Assistant Professor	Pure Mathematics	03.02.2020
7	Suraj Goyal	Ph.D.	Assistant Professor	Continuum Mechanics Wave Propagation	07.02.2020
8	Pooja Gupta	Ph.D.	Assistant Professor	Approximation Theory	16.08.2018
9	Manu Rohilla	Ph.D.	Assistant Professor	Fixed Point Theory	05.04.2021
10	Parveen Kumar	Ph.D.	Assistant Professor	Continuum Mechanics, Applied Mathematics and Mathematical Modeling	22.04.2021
11	Kuldeep Singh	M.Sc., NET	Assistant Professor	Operations Research	22.07.2019
12	Shashi Sharma	Ph.D.	Assistant Professor	Mathematical Modeling and Biomathematics	24.09.2021
13	Meenu Chawla	Ph.D.	Assistant Professor	Mathematical Modeling	13.10.2021
14	Jyoti	M.Sc., NET	Guest Faculty	Applied Mathematics	17.07.2023
15	Preeti	M.Sc., NET	Guest Faculty	Operations Research	19.07.2024
16	Hansraj	M.Sc., NET	Guest Faculty	Applied Mathematics	05.02.2021

### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Sarita	Lab Assistant	B.Sc., B.Ed., MCA	27.08.2019
2	Jaswant	Clerk	B.A.	07.10.2013
3	Naveen	Peon (HKRNL)	10th	09.08.2018

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	18
2	Publications in National Journals	–
3	Papers presented at International Conferences	02
4	Papers presented at National Conferences	–

### 5 List of Publications

1. Krishan and **N. Gupta**; Analysis Of An M/M/1/K Feedback Working Vacation Queue With Reneging. *Reliability: Theory & Applications*, Vol. 18, pp. 178-188 (2023)
2. Preeti and **N. Gupta**; A Time Series Analysis And Comparison Of Predictive Models For The Demand For Healthcare Equipments. *Life Cycle Reliability and Safety Engineering*, Vol. 13, pp. 65-372 (2024)
3. Deepak and **A. Chatterjee**; A Comparative Study Of Higher-Order Nonclassicalities Of Photon-Added-Then-Subtracted And Photon-Subtracted-Then-Added Quantum States. *Indian Journal of Physics*, Vol. 98, pp. 41-54 (2024)
4. N. Kumar and **A. Chatterjee**; Nonclassicality In A Dispersive Atom-Cavity Field Interaction In The Presence Of An External Driving Field. *International Journal of Modern Physics B*, Vol. 38, pp. 2450415 (2024)
5. N. Kumar and **A. Chatterjee**; Quantum Phase Properties Of A State Driven By A Classical Field. *International Journal of Theoretical Physics*, Vol. 63, pp. 124 (2024)
6. Deepak and **A. Chatterjee**; Analyzing Performance Off-Deformed Displaced Fock State In Continuous-Variable Quantum-Teleportation. *Physica Scripta*, Vol. 99, pp. 95124 (2024)
7. K. Singh, T. Singh, L.N. Mishra, **R. Dubey** and L. Rathour; A Brief Review of Predator-Prey Models For An Ecological System With A Different Type Of Behaviors. *Korean Journal of Mathematics*, Vol. 32, pp. 381-406 (2024)
8. R. Kumar, V.N. Mishra and **R. Dubey**; Non-Differentiable Second-Order Symmetric Multiobjective Fractional Variational Programming With Cones Constraints. *RAIRO-Operations Research*, Vol. 58, pp. 4553-4574 (2024)
9. A. Tripathi, **R. Dubey**, A. K. Tiwari and S. Dhawan; Some Essential Aspects Of Spectral Methods And Their Applications To PDEs. *Mathematics in Engineering Science and Space*, Vol. 15, (2024)
10. R. Kumar and **R. Dubey**; New Class Of Higher-Order Symmetric Programming Problems In Complex Spaces. *Nonlinear Studies*, Vol. 31, pp. 437-449 (2024)
11. A. Kumar and **S. Goyal**; Plane Dilatational And Shear Waves In A Chiral Porous Thermoelastic Medium Under Strain Gradient Theory. *International Journal of Numerical Methods for Heat and Fluid Flow*, Vol. 34, pp. 4233-4256 (2024)
12. Shiva, **N. Gupta** and A. G. Aggarwal; Innovation Diffusion Model Based On Advertising Expenditure With Change-Point. *International Journal of System Assurance Engineering and Management*, Vol. 15, pp. 1794-1801 (2023)
13. Preeti and **N. Gupta**; Open Jackson Queuing Networks For Waiting Time Reduction And Manpower Planning In Pharmacy. *International Journal of System Assurance Engineering and Management*, Vol. 15, pp. 2383-2390 (2023)
14. Deepak and **A. Chatterjee**; Detecting Nonclassicality and Non-Gaussianity Of A Coherent Superposed Quantum State. *Journal of Physics B: Atomic Molecular and Optical Physics*, Vol. 56, pp. 15401 (2023)

15. Deepak and **A. Chatterjee**; Nonclassicality Versus Quantum Non-Gaussianity of Photon Subtracted Displaced Fock State. *Canadian Journal of Physics*, Vol. 101, pp. 560-572 (2023)
16. C. Swarup R. Kumar, **R. Dubey** and D. Fathima; New Class Of K-G-Type Symmetric Second Order Vector Optimization Problem. *Axioms*, Vol. 12, pp. 571 (2023)
17. A. Kumar, R. Kumar, K. Alam and **R. Dubey**; Generalized Second-Order G-Wolfe Type Fractional Symmetric Program And Their Duality Relations Under Generalized Assumptions . *International Journal of Mathematical Engineering and Management Sciences*, Vol. 8, pp. 142-162 (2023)
18. A. Gupta and A. Kumar and **M. Rohilla**; A New Approach To Coincidence Points And Common Fixed Points Under A Homotopy Of Families Of Mappings In b-Metric Spaces. *Asian European Journal of Mathematics*, Vol. 17, pp. 2450029 (2023)

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Dates and Duration	Beneficiary Count
1	Seminar Series Lecture on “Sampling Theory” by Dr. Pooja Gupta	19.10.2023 (01 Day)	75
2	Seminar Series Lecture on “Fixed Point Results in Various Generalizations of Metric Spaces” by Dr. Manu Rohilla	7.11.2023 (01 Day)	47
3	National Mathematics Day	23.01.2024-24.01.2024 (02 Days)	250
4	Seminar Series Lecture on “Integral Transforms” by Dr. Parveen Kumar	2.02.2024 (01 Day)	19
5	Expert Lecture on “Bulk Service Queue- Introduction and Overview of Current Research” by Prof. U.C. Gupta, Retired Professor, IIT Kharagpur	15.03.2024 (01 Day)	100
6	Seminar Series Lecture on “Spatiotemporal Modeling of the Ecological System” by Mr. Kuldeep Singh	28.03.2024 (01 Day)	40
7	Two week NCM Instructional School for Teachers on “Principles of Continuum Mechanics”	03.06.2024-15.06.2024 (14 Days)	25

## 7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff

Sr. No.	Particular	Number
1	STCs/STPS	01
2	Workshops	03
3	Conferences	02
4	FDPs	02

## 8 Patents Published/ Granted during the year

NIL

## 9 Details of Industrial/Site Visits organized

NIL

**10 Sponsored R & D Projects**

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount
1	Dr. Arpita Chatterjee	Analyzing the effect of photon subtraction on nonclassicality and non-Gaussianity of displaced Fock state	DST-SERB	2023	22.99 Lakhs

**11 List of Consultancy Projects Completed**

NIL

**12 List of PhD completed in the Department**

- Mr. Divesh Garg [Supervisor - Dr. Reena Garg]  
Title: Reliability Modeling and Profit Analysis of Stochastic Systems (04.10.2023)

**13 Awards/ Achievements of the Faculty/Staff/Students**

Sr. No.	Name of the Awardee	Awarding Agency(s)	Name of Award/Prize	Date of Receiving
1	Shivam Kumar	Joint CSIR-UGC NET	JRF	December 2023
2	Shivam Kumar	Indian Institute of Science, Bengaluru	GATE	February 2024

**14 Placement details of Students**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package (Annual)	Average package (Annual)
1	M.Sc.	52	05	Rs. 4 LPA	Rs. 3 LPA

**15 Major Recruiters**

Aravali College of Engineering, Echelon Institute of Engineering.

**16 Major Equipment's/ Software's purchased**

NIL

**17 Higher Education data of students**

Sr. No.	Name of Program	No. of eligible students	No. of students enrolled for MSc/ PhD
1	B. Sc. (2020-23)	63	20

**18 Academic and Extension activities**

NIL

**19 Faculty served as Invited Speaker/Chair/Resource Person****Prof. Neetu Gupta**

- Session Chair in Recent Advances in Science and Technology towards sustainability (RASTS-2024) organized by J.C. Bose University of Science and Technology, YMCA, Faridabad during 28.02.2024 to 29.02.2024.
- Session Chair in Recent Developments in Mathematical Sciences and Applications organized by Gurugram University, Gurugram on 01.03.2024.
- Session Chair in International Conference on Transforming Lives Through Adoption of SDGs: Role of Higher Educational Institutions organized by G.D. Goenka University during 30.05.2024 to 31.05.2024.
- Invited Speaker in Recent Advances in Optimization: Theory and Practices organized by Jaypee Institute of Information Technology, Noida on 15.06.2024.

**Dr. Manu Rohilla**

- Delivered an invited talk in International Conference on Advances in Pure and Applied Mathematics organized by Shyam Lal College, University of Delhi, New Delhi, India during 08.02.2024 to 10.02.2024.

**20 Faculty serving as Editors/Members of Editorial Boards****Dr. Pooja Gupta**

- Member of Editorial Board for “Journal of Graphic Era University”

# DEPARTMENT OF ENVIRONMENTAL SCIENCES

Chairperson: Dr. Renuka Gupta

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	PG Diploma	Waste Management
2	Post Graduate	M.Sc. (Environmental Sciences)
3	Doctoral	Ph.D. (Environmental Sciences)

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Renuka Gupta	Ph.D.	Associate Professor	Environmental Pollution Monitoring and Abatement, Water and Wastewater Treatment; Solid Waste Management	03.08.2009
2	Somvir Bajar	Ph.D.	Assistant Professor	Environmental Pollution Monitoring and Control, Carbon Sequestration, Biofuel production	07.02.2020
3	Navish Kataria	Ph.D.	Assistant Professor	Water Treatment; Environmental pollution monitoring; Constructed wetlands	31.01.2020
4	Sushma	Ph.D.	Assistant Professor	Environmental Pollution Remediation, Water and Wastewater Treatment,	26.06.2024
5	Anita Girdhar	Ph.D.	Assistant Professor (C)	Wastewater Remediation	16.08.2017
6	Sahil Mor	Ph.D.	Guest Faculty	Environmental Sciences	14.09.2022
7	Divya	M.Sc., NET	Guest Faculty	Environmental Sciences	01.12.2022
8	Shashi	M.Sc., NET	Guest Faculty	Environmental Sciences	25.01.2024

## 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Sachin Kumar	Lab Assistant	Diploma in Mechanical Engg.	08.08.2019
2	Avneesh Dubey	Lab Assistant (C)	B.Sc.	05.10.2016
3	Harish Vats	Clerk (C)	M.A., B.Ed.	28.10.2021
4	Raj Kumar	Peon/Helper Attendant (C)	ITI, B.A., Diploma in Computer	01.07.2017
5	Sudha Negi	Helper/Lab Attendant (C)	12th	20.03.2020

## 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	15
2	Publications in National Journals	02
3	Papers presented at International Conferences	–
4	Papers presented at National Conferences	–

## 5 List of Publications

1. D. Bhushan, **R. Gupta**; Biofabrication and Characterization of Silica-coated Zinc Oxide Nanocomposite: A Sustainable Approach in Remediation of Cr (VI) Contaminated Waste water. *Water, Air & Soil Pollution*, 235 (6), 372 (2024)
2. N. Kumar, B. Khyalia, R. Dhiman, J. Yadav, B. Singh, V. Gupta, **R. Gupta**, R. Dalal; Assessment of Uranium Concentration in Drinking Water around Khetri Copper Mine Region in Rajasthan, India. *Indian Journal of Pure & Applied Physics*, 61, (CSIR-NIScPR), 428, 496-503 (2023)
3. A. Devi, **S. Bajar**, P. Sihag, Z.U.D. Sheikh, A. Singh, J. Kaur, N.R. Bishnoi, D. Pant; A panoramic view of technological landscape for bioethanol production from various generations of feedstocks. *Bioengineered*, 14 (1), 81-112 (2023)
4. S. Yadav, **S. Bajar**, Hemraj, R. Rohilla, S. K. Chikkara, R. Dhankhar; Assessment of groundwater quality near municipal solid waste landfill by using multivariate statistical technique and GIS: a case study of Bandhwari (Gurugram) landfill site, Haryana, India. *Sustainable Water Resource Management*, 9 (174), 1-15 (2023)
5. K. Singh, R.S. Meena, S. Kumar, S. Dhyani, S. Sheoran, H.M. Singh, V. V. Pathak Z. Khalid, A. Singh, K. Chopra, **S. Bajar**, F.A. Ansari, S. K. Gupta, S. Varjani, R. Kothari, V. V. Tyagi, B. Singh, C. Byun; India's renewable energy research and policies to phase down coal: Success after Paris agreement and possibilities post-Glasgow Climate Pact. *Biomass and Bioenergy*, 177, 106944. (2023)
6. Z.U.D. Sheikh, **S. Bajar**, A. Devi, P. K. Rose, M. Suhag, A. Yadav, D.K. Yadav, T. Deswal, J. Kaur, R. Kothari, D. Pathania, A. Singh; Nanotechnology-based technological development in biofuel production: current status and future prospects. *Enzyme and Microbial Technology*, 171, 110304 (2023)
7. A. Devi, **S. Bajar**, Z.U.D. Sheikh, A. Singh, N. Kotwal, A. Bharti, R. Raina, R. Kouser, R. Kothari; A perspective towards sustainable and economically viable approach of waste biorefineries through lignin valorization. *Biomass Conversion and Biorefinery*, 1-25 (2024)
8. A. Malik, D. Katyal, N. Narwal, **N. Kataria**, R. Ayyamperumal, K. S. Khoo; Sources, distribution, associated health risks and remedial technologies for inorganic contamination in groundwater: A review in specific context of the state of Haryana, India. *Environmental Research*, 116696 (2023)
9. B. Khyalia, N. Kumar, R. Beniwal, A. Panghal, **N. Kataria**, P. Gautam, R. Dalal; Assessment of Age-Dependent Radiation Dose and Toxicological Risk of Uranium in Ground Water around Uranium Mines in Sikar, Rajasthan. *Indian Journal of Pure & Applied Physics (IJPAP)*, (CSIR-NIScPR), 61, 874-885 (2023)
10. N. Narwal, D. Katyal, **N. Kataria**, P. K. Rose, S. G. Warkar, A. Pugazhendhi, K. S. Khoo; Emerging micropollutants in aquatic ecosystems and nanotechnology-based removal alternatives: A review. *Chemosphere*, 341, 139945, (2023)
11. P. K. Rose, S. Yadav, **N. Kataria**, K.S. Khoo; Microplastics and nanoplastics in the terrestrial food chain: Uptake, translocation, trophic transfer, ecotoxicology, and human health risk. *TrAC Trends in Analytical Chemistry*, 167, 117249 (2023)
12. P. K. Rose, V. Poonia, R. Kumar, **N. Kataria**, P. Sharma, J. Lamba, P. Bhattacharya; Congo red dye removal using modified banana leaves: Adsorption equilibrium, kinetics, and reusability analysis. *Groundwater for Sustainable Development*, 23, 101005 (2023)
13. J. Yadav, B. Khyalia, N., Kumar, A. Panghal, P. P. Singh, S. Devi, **N. Kataria**, P. Singh, R. Dalal; Assessment of natural radioactivity in soil and water in the upper Himalayas region along the Manali–Leh highway, India. *Journal of Radioanalytical and Nuclear Chemistry*, 333, 3075–3086 (2023)
14. S. Rani, H. Sabharwal, P. Kumar, A. K. Chauhan, K. S. Khoo, **N. Kataria**; Comparative behaviour of carbon-based materials for the removal of emerging bisphenol A from water: adsorption modelling and mechanism. *Groundwater for Sustainable Development*, 25, 101121 (2024)
15. R. Dhiman, B. Khyalia, N. Kumar, S. Kumar, **N. Kataria**, R. Kumar, S. Budhwar, R. Dalal; Investigation of radiation dose-dependent risk on individuals due to drinking water ingestion in Yamunanagar District. *India Journal of Radioanalytical and Nuclear Chemistry*, 333, 3279–3289 (2024)
16. **N. Kataria**, S. Yadav, V. K. Garg, E. R. Rene, J. J. Jiang, P. K. Rose, M. Kumar, K. S. Khoo; Occurrence, transport, and toxicity of microplastics in tropical food chains: perspectives view and way forward. *Environmental Geochemistry and Health*, 46, 98 (2024)

17. S. Rani, P. Kumar, N. Kataria; Development of chemically and green synthesized MgO nanoparticles for CR and BG dye adsorption from single and binary aqueous systems. *Journal of the Taiwan Institute of Chemical Engineers*, 105566 (2024)

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Dates and Duration	Beneficiary Count
1	Value added Course on 'Waste Handling and Management: Strategies and Practices' in collaboration with Vasundhara Eco-club	02.04.2024- 23.04.2024 (30 hrs)	50
2	'World Environment Day Celebrations' (Theme: Our Land Our Future) in collaboration with The Institution of Engineers, Faridabad Local Chapter	05.06.2024 (One day)	300
3	'World Water Day Celebrations' (Theme Water for Peace) in collaboration with Vasundhara Eco-club and YRC	20.03.2024 (One day)	150
4	'National Youth Parliament 2024' (Theme Paryavaran Chetna – Environment and Sustainability) University-Level competition	26.10.2023 (One day)	120
5	Expert Lecture by Dr. Sushmitha Bhaskar on Environment and Health	12.10.2023 (One day)	50
6	Ozone Day Celebrations	21.09.2023 (One day)	50

## 7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff

Sr. No.	Particular	Number
1	STCs/STPS	Nil
2	Workshops	02
3	Conferences	03

## 8 Patents Published/ Granted during the year

NIL

## 9 Details of Industrial/Site Visits organized

NIL

## 10 Sponsored R & D Projects

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount
1	Dr. Somvir Bajar (PI) Dr. Anurag Prakash Sunda (CO-PI)	Volatile Organic Compounds in Ambient Air: Source Apportionment and DFT Quantum Analysis for NCR Region	Haryana State Council for Science, Innovation and Technology (HSCSIT), Govt. of Haryana	2024	30 Lakhs

**11 List of Consultancy Projects Completed**

Sr. No.	Name of the Industry	Faculty Coordinator	Duration	Amount
1	M/s PMV Malting Private Limited, Gurugram (Haryana)	Dr. Somvir Bajar	03 months	70,800
2	M/s SGS India Pvt. Ltd., Gurugram (Haryana)	Dr. Somvir Bajar	03 months	70,800
3	M/s PROSPIRA India Auto Products Pvt. Ltd., Gurugram (Haryana)	Dr. Somvir Bajar	03 months	70,800
4	M/s Roop Automotives Ltd., Gurugram (Haryana)	Dr. Somvir Bajar	03 months	70,800

**12 List of PhD completed in the Department**

- Monika Mago [Supervisor - Dr. Renuka Gupta]

**13 Awards/ Achievements of the Faculty/Staff/Students**

Sr. No.	Name of the Awardee	Awarding Agency(s)	Name of Award/Prize	Date of Receiving
1	Dr. Navish Kataria	NESA, New Delhi	Nesa Scientist of The Year Award-2023	16.12.2023

**14 Placement details of Students**

Sr. No.	Name of Program	No. of Eligible Students	No. of students placed	Highest package	Average package
1	M.Sc. (EVS)	32	15	4.34 LPA	2.4 LPA

**15 Major Recruiters**

Hitachi Astemo Rajasthan Brake Systems Pvt. Ltd., Neemrana, Escorts Kubota Limited, Satyug Darshan Institute of Engineering and Technology, Faridabad, Ecotech Services Faridabad; ECOEX, Barakhambha Road, New Delhi; Raja Jait Singh Govt. Polytechnique, Neemka, Ballabgarh, NEERI.

**16 Major Equipment's/ Software's purchased**

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	Flame Photometer	67,000	18.09.2023
2	Gas-Chromatography	28,29,792	18.09.2023
3	COD Digester	1,17,880	31.10.2023
4	Fabricated Photocatalytic Chamber	9,062	28.02.2024
5	Rotary Evaporator	25,000	29.02.2024

## 17 Higher Education data of students

Sr. No.	Name of the student	Course joined	Institution/ University
1	Tanisha	MBA	TERI- Sustainability Management, Gurugram
2	Sarvesh Yadav	Ph.D.	Central University of Haryana, Mahendergarh
3	Drishti Sharma	Ph.D.	J.C. Bose University of Science & Technology, YMCA
4	Kiran Swami	Ph.D.	J.C. Bose University of Science & Technology, YMCA
5	Ayushi Niranjana	Ph.D.	TERI, Gurugram
6	Vaishali Saini	Ph.D.	Doon-University, Dehradun
7	Ankita	Ph.D.	IISER Mohali
8	Anjali	Ph.D.	IIT, Jodhpur, Rajasthan

## 18 Academic and Extension activities

### Activities of students conducted by Department

- Organized a one-week tree plantation drive from 16 August 2023 to 23 August 2023 for all UG and PG students initiated to implement the “MeriLiFE massive Tree Plantation Drive” launched by Govt. of India and AICTE mission “One Student One Tree”.
- Organized an intra-departmental poster making competition on 21 September 2023. This competition was organised to celebrate Ozone day and bring out ideas and concepts related to ozone layer depletion prevention.
- Organized a one-day plantation drive on 22nd September 2024 in the University adopted villages in collaboration with DSW, JCBUST, YMCA, Faridabad.
- Expert lecture on "Environment and Health" organized by Department of Environmental Sciences, JCBUST, YMCA, on 12th October, 2023 by Dr. Sushmitha Bhaskar from Discipline of Environment Studies, School of Inter-disciplinary and Trans-disciplinary Studies, IGNOU, New Delhi.
- Organized University Level 1 Competition of National Environmental Youth Parliament – 2024 on 26th October, 2023. The program was conducted under the aegis of Student for Development (SFD) and Paryavaran Sanrakshan Gatividhi (PSG) Organizations.
- Organised Poster making competition on the theme “My Waste My Responsibility” on 07th November, 2023.
- Celebrated the auspicious festival of light by organising a day-long joyous and vibrant 'Deepavali Utsav' in the department on 8th November 2023.
- Celebrated 14th December, 2023 as “Tree Care Day” In recognition of the importance of trees in day-to-day life in collaboration with the Vasundhara Eco-club and Team Hariyali Parv, J.C. Bose University of Science and Technology, YMCA, Faridabad
- Plantation Drive Hariyali Parv -2023 at J.C. Bose University of Science and Technology YMCA Faridabad held from July to September 2023 (Approx. 11 sessions).

### Activities of students participation

- Himani Sabherwal presented a poster at the international conference "Himalayan Environment in Changing Climate Scenario" at the University of Ladakh from September 19th to 23rd, 2023.
- Himani Sabherwal participated in the Two days Hands-on Training Workshop at Prof. Rajendra Singh Nanoscience and Nanotechnology (PRS-NSNT) Centre, Chemistry Department, DSB Campus, Kumaun University, Nainital, Uttarakhand.
- Mohini participated in 1st international online symposium organized by DDU College, University of Delhi, India on 17th November, 2023.
- Mohini participated in 30 hours Value - Added Course conducted by the Department of Environmental Sciences and Vasundhara Eco-club from 2nd April to 23rd April 2024.

- Mohini participated in one-day workshop organized by the Institution Innovation Council and Department of Chemistry/ Environmental Sciences at J C Bose University of Science and Technology, YMCA, Faridabad on 17 August, 2023.
- Anjali participated in one day workshop organized by the institution Innovation Council and Department of Chemistry/ Environmental Sciences at J.C. Bose University of Science and Technology, YMCA, Faridabad on 17th August, 2023.
- Anjali participated in a four-day training workshop for microbial, physical, and chemical parameters in the context of water, sanitation, and hygiene organized by SM Sehgal Foundation, Gurugram from 12-15th September, 2023.
- Anjali participated as delegate during the 5th International Conference on Sustainability Education held at India Habitat Centre, New Delhi, India on September 19-20, 2023.
- Anjali participated in the 4th World Environment Summit 2023, held on 4th-5th November 2023 at Galgotias University, U.P.
- Anjali participated in 10th International Symposium on Fusion of Science and Technology (ISFT-2024), held on January 04-08, 2024 at J.C. Bose University of Science and Technology, YMCA, Faridabad.
- Anjali participated in a Hands-On Training Programme organized by Amity University, Uttar Pradesh, from 12-16th February, 2024.
- Anjali participated and coordinated the organization of 30 hours Value Added Course conducted by the Department of Environmental Sciences and Vasundhara Eco-Club from 2nd April to 23rd April, 2024.
- Anjali completed "Advanced Course on Leachate Treatment" organized by the Water Management & Plumbing Skill Council, New Delhi from 03-08 June, 2024.
- Divya Bhushan participated and presented a paper titled "A Short Review on Novel Adsorbents for the Remediation of Chromium ion Containing Wastewater" in 4th World Environment Summit 2023, held on 4th-5th November 2023 at Galgotias University, U.P.
- Divya Bhushan participated in 10th International Symposium on Fusion of Science and Technology (ISFT-2024), held on January 04 - 08, 2024 at J.C. Bose University of Science and Technology, YMCA, Faridabad.
- Divya Bhushan participated in one day National Seminar sponsored by Indian Council of Social Science Research (ICSSR), Chandigarh organized by PG Department of Commerce of S.S.D. Girls' College on 9th March, 2024.
- Kajal Saini participated in the World Environment Summit 2023 jointly organised by Environment and Social Development Association and Galgotiya University Greater Noida, Uttar Pradesh on 4th and 5th November 2023.
- Kajal Saini presented Poster in the International Conference on Himalayan Environment in Changing Climate Scenario organised by University of Ladakh from 19th to 23rd September 2023.
- Kajal Saini participated in international conference on Global challenges in Environment, Food & Biotechnology for sustainable Development organised by Guru Jambheshwar University of Science and Technology Hisar from 21-23 February 2024.

## 19 Faculty served as Invited Speaker/Chair/Resource Person

### Dr. Renuka Gupta

- Expert Talk on "Solid Waste Management" in 1st National Conference on 'Environmental Sustainability: Solutions through technology and Indigenous Knowledge System' held at Rajasthan Technical University Kota, Rajasthan, India during October 09-10, 2023.
- Expert Talk on "Importance of Segregation of Solid Waste" in Value added Course on 'Waste Handling and Management: Strategies and Practices' (30 hrs) organized by the Department of Environmental Sciences and Vasundhara Eco-club from 2nd – 23rd April 2024 at J.C. Bose University of Science & Technology, YMCA, Faridabad.

### Dr. Somir Bajar

- Expert Talk on "Natural Resource Potential in Haryana" on June 25, 2024, in DoPT sponsored One-week training course on "Natural Resource Governance" organised by Haryana Institute of Public Administration (HIPA) from June 24-28, 2024.

- Expert Talk on “Safe Drinking Water and Sanitation: Health and Hygiene Issues” on March 27, 2024, in One month “Faculty Induction Programme (FIP)” organised by UGC Malaviya Mission Teacher Training Centre (MMTTC) from Feb 29, 2024 - March 29, 2024.

**Dr. Navish Kataria**

- Delivered talk as Invited Speaker in the webinar on "India towards Drought Resilience" organized by “Shaheed Rajguru College of Applied Sciences for Women” (Delhi University) on “World Environment Day- 2024” on 5th June 2024.

**20 Faculty serving as Editors/Members of Editorial Boards****Dr. Navish Kataria**

- Guest Editor: Recognition from ‘Environmental Research’ journal (Elsevier)
- Review Editor: ‘Frontiers in Environmental Chemistry’ (Section: Sorption Technologies)

# **Faculty of Life Sciences**

## DEPARTMENT OF LIFE SCIENCES

**Chairperson: Dr. Kakoli Dutt**

### 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	B.Sc. Life Sciences (3/4 years as per provisions of NEP-2020)
2	Post Graduate	M.Sc. Biotechnology M.Sc. Botany M.Sc. Zoology M.Sc. Microbiology
3	Doctoral	Ph.D. (Life Sciences)

### 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Kakoli Dutt	Ph.D.	Associate Professor	Industrial Microbiology and Fermentation	05.08.2022
2	Deepansh Sharma	Ph.D.	Assistant Professor	Microbiology	04.08.2022
3	Ashima Sharma	Ph.D.	Assistant Professor	Biotechnology	01.08.2022
6	Komal Taneja	Ph.D.	Assistant Professor (Contractual)	Molecular Biology and Neurosciences	04.11.2020
7	Sunny Dholpuria	Ph.D.	Assistant Professor (Contractual)	Animal Biotechnology	12.09.2021
8	Sonia Saraswat	Ph.D.	Assistant Professor (Contractual)	Animal Sciences	16.09.2021
9	Nimisha Patel	Ph.D.	Assistant Professor (Contractual)	Bioscience	06.08.2021
10	Brij Bharti	Ph.D.	Guest Faculty	Biochemistry and Molecular Biology	16.05.2022
11	Radhika Mishra	Ph.D.	Guest Faculty	Botany	16.11.2022
12	Diksha	Ph.D.	Guest Faculty	Zoology	16.11.2022
13	Shipra Jha	Ph.D.	Guest Faculty	Botany	08.01.2024
14	Kiran Yodha	Ph.D.	Guest Faculty	Zoology	08.01.2024

### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1.	Birpal Kaur	Clerk/ PA to Chairperson (HKRNL)	B.A, B.Ed.	01.10.2021
2.	Phool Singh	Lab Assistant (HKRNL)	B.Tech.	20.11.2020
3.	Neetu Sharma	Lab Assistant (HKRNL)	B.Sc.	18.10.2021
4.	Om Parkash	Lab Attendant (HKRNL)	12th 17.03.2013	

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	07
2	Publications in National Journals	–
3	Papers presented at International Conferences	–
4	Papers presented at National Conferences	–

### 5 List of Publications

1. V Singh, C Pandit, S Ray, S Pandit, N Ranjan, **D Sharma**, H Sarma, G SJ, R Makkar; Green Surfactant for Environmental Bioremediation of Polycyclic Aromatic Hydrocarbons (PAHs). *Environmental Quality Management*. vol. 34(1):e22282 (2024)
2. AR Sheoran, N Lakra, BS Saharan, A Luhach, NK Mandal, CS Seth, **D Sharma**, AR Santal; Enduring drought: Effects and strategies for Brassica crop resilience. *Academia Biology* vol. 2 (2024)
3. BS Saharan, D Dhanda, NK Mandal, R Kumar, **D Sharma**, PK Sadh, D Jabborova, JS Duhan; Microbial contributions to sustainable paddy straw utilization for economic gain and environmental conservation. *Current Research in Microbial Sciences* vol. 7, 100264 (2024)
4. S Rai, Y Mago, G Aggarwal, A Yadav, **S Tewari**; Liquid bioformulation: a trending approach towards achieving sustainable agriculture. *Molecular Biotechnology* vol. 66, pp. 2725-2750 (2024).
5. Y Mago, Y Sharma, Y Thakran, A Mishra, **S Tewari**, N Kataria; Next-generation organic beauty products obtained from algal secondary metabolites: a sustainable development in cosmeceutical industries. *Molecular Biotechnology* pp. 1-21 (2023)
6. GH Rajacharya, A Sharma, SS Yazdani; Proteomics and metabolic burden analysis to understand the impact of recombinant protein production in E. coli. *Scientific Reports* vol. 14, 12271 (2024).
7. M Sikarwar, VS Mishra, P Tiwari, M Gupta, **S Dholpuria**, PK Gupta; *Nanomedicine*, vol. 18, pp. 1515-1518, (2023)

### 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

NIL

**7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff**

Sr. No.	Particular	Number
1	STCs/STPS	05
2	Workshops	–
3	Conferences	–
4	FDPs	–

**8 Patents Published/ Granted during the year**

Sr. No.	Name of Faculty/Staff	Patent Title	Date of Award	Patent granting body	Status (Published/Granted)
1.	Dr. Deepansh Sharma	Fermentation controlling AI Machine	05.04.2024	Indian Patent	Published
2.	Dr. Sunny Dholpuria	Artificial Intelligence-based Device for Detection of Breast Cancer	02.04.2024	UK Design patent	Published

**9 Details of Industrial/Site Visits organized**

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	MHU Regional Mushroom Research Centre	23.01.2024 (1 Day)	Dr Sunny Dholpuria and Dr Sonia Saraswat	54
2.	Tagore International, Faridabad	21.04.2024 (1 Day)	Dr Sakshi Tewari	50
3.	Tagore International, Faridabad	26.04.2024 (1 Day)	Dr. Sakshi and Dr. Nimisha	50

**10 Sponsored R & D Projects**

NIL

**11 List of Consultancy Projects Completed**

NIL

**12 List of Ph.D. completed in the Department**

NIL

**13 Awards/ Achievements of the Faculty/Staff/Students**

Sr. No.	Name of the Awardee	Awarding Agency(s)	Name of Award/Prize	Date of Receiving
1	Khushboo Singhal	National Coordination Board – GATE, Department of Higher Education, Ministry of Education (MoE), Government of India	GATE	2024
2	Rohan Nagpal	National Coordination Board – GATE, Department of Higher Education, Ministry of Education (MoE), Government of India	GATE	2024
3	Yashika Mago	National Coordination Board – GATE, Department of Higher Education, Ministry of Education (MoE), Government of India	GATE	2024
4	Yashita Sharma	National Coordination Board – GATE, Department of Higher Education, Ministry of Education (MoE), Government of India	GATE	2024
5	Komal Sharma	National Coordination Board – GATE, Department of Higher Education, Ministry of Education (MoE), Government of India	GATE	2024
6	Yashika Mago	National Coordination Board – GATE, Department of Higher Education, Ministry of Education (MoE), Government of India	GATE	2024
7	Anjali Panchal	National Coordination Board – GATE, Department of Higher Education, Ministry of Education (MoE), Government of India	GATE	2024

**14 Placement details of Students**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	B.Sc. Life Sciences	54	2	4.0 LPA	3.2 LPA
2.	M.Sc. Microbiology	22	1	3.2 LPA	3.2

**15 Major Recruiters**

Brawn Laboratories Limited, Faridabad, Haryana  
 Winspark Innvoations Learning Pvt. Ltd. Gurgaon  
 Newtech Medical Devices Pvt Ltd, Faridabad

**16 Major Equipment's/ Software's purchased**

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	Microscopes	3,70,000	15.06.2023
2	Advanced Microscopes	4,10,000	15.06.2023
3	Autoclaves	2,70,000	15.06.2022
4	Electrophoresis system	1,54,700	15.06.2023
5	Distilled water unit	2,95,000	15.06.2023
6	Laminar flow (horizontal)	3,54,000	22.03.2024
7	Electronic weighing balance	1,91,160	22.03.2024
8	Weswox Angle rotor medical centrifuge	24,960	08.09.2023
9	Magnetic stirrer	23,900	08.09.2023
10	Vacuum filtration system	99,899	18.11.2023
11	Single door refrigerator	47,790	08.01.2024
12	Rotary Vacuum evaporator	4,97,795	24.02.2024
13	Probe and controllers	3,15,651	26.03.2024
14	Fermex Biofoton photo-bioreactor	9,71,211	26.03.2024
15	Air compressor	117,012	26.03.2024
16	Chiller unit	1,06,833	26.03.2024
17	SCADA software	1,64,578	26.03.2024
18	Peristaltic pump with fixed speed	56,436	26.03.2024

**17 Higher Education data of students**

NIL

**18 Academic and Extension activities**

- Yashika Thakran (Roll No. 22001757023) of M.Sc. Zoology did the internship at the interning at the Ministry of Environment, Forest and Climate Change, Government of India. under the guidance of Mr. W. Bharat Singh (Director ESZ&BR) from 15 May 2023 to 15 August, 2023.
- Arti Kumari (Roll No. 22001755003) of M.Sc. Biotechnology completed the training on Advanced Molecular Biology of rDNA Technology at Helix Biogenesis, Noida from June 12, 2023 to July 12, 2023.
- Khushboo Singhal (Roll No. 22001757009) of M.Sc. Zoology completed the 4-week internship at FICCI Research and Analysis Centre from 19 June 2023 to 19 July 2023.
- Gargeyee Chakraborty (Roll No. 22001756006) from M.Sc. Botany completed the one month internship at SSP Technology Limited (Research and development centre) from 7 june 2023 to 7 july 2023.
- Yashika Mago (Roll No. 2200175022) of M.Sc. Biotechnology, and Manisha Bansal (Roll No. 22001756011) of M. Sc. Botany (2021-23) helped their junior students in their study related problems.
- Vibhuti Nagpal (Roll No. 2100325056), Sachin Singh (Roll No. 21003255048) and Shreshth Rampal (2100325052) of B. Sc. Life Sciences (2021-24) helped students during admission counselling for session 2023-24.
- Juhi Singh (Roll No. 2100325023) of B.Sc. Life Sciences motivated students for plantation drive to curb pollution.

**19 Faculty served as Invited Speaker/Chair/Resource Person****Dr. Deepansh Sharma**

- Chaired the session at International Conference on Transforming Lives through Adoption of SDGs: Role of Higher Education Institutions (TLASH 2024) on 30.5.2024.
- Keynote speaker at the 8th Indian International Conference on Air Quality Management and 1st Indian International Conference on Water Quality Management at ICWaR, Indian Institute of Science, Bengaluru on from 4.12.2023 to 8.12.2023.

**Dr. Sakshi Tewari**

- Chaired the session in 'IISF 2024' in Women Scientist and Entrepreneur Conclave from 18.1.2024 to 19.1.2024.

**20 Faculty serving as Editors/Members of Editorial Boards****Dr. Sakshi Tewari**

- Editorial member of International Journal of Biotechnology and Biomaterials, STM Journal

**Dr. Deepansh Sharma**

- Editorial member of Scientific Reports, Nature.

# **Faculty of Liberal Arts and Media Studies**

# DEPARTMENT OF COMMUNICATION AND MEDIA TECHNOLOGY

Chairperson: Dr. Pawan Singh

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	3/4 year B.A. Journalism & Mass Communication 3/4 year B.A. Social Work 3/4 year B.Sc. Visual Communication & Multimedia Technology
2	Post Graduate	M.A. Journalism & Mass Communication M.A. Social Work

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Pawan Singh	Ph.D.	Associate Professor	New Media, Political Communication	05.04.2021
2.	Taruna Narula	Ph.D.	Assistant Professor	Radio Production	09.08.2016
3.	Sonia Hooda	Ph.D.	Assistant Professor	Communication Theories and Models	29.07.2019
4.	Bharat Dhiman	Ph.D.	Assistant Professor	Advertising and Public Relations	21.10.2021
5.	Rahul Arya	Ph.D.	Assistant Professor	Digital Media	18.10.2021
6.	Sudhir Nathal	Ph.D.	Assistant Professor	Print Media	25.10.2021
7.	Akhilesh Tripathi	Ph.D.	Assistant Professor	Social Work	15.09.2021
8.	KM Tabish	Ph.D.	Assistant Professor	Social Work	30.09.2021

## 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1.	Dushyant Tyagi	Senior Instructor	MA	16.08.2016
2.	Ramras Pal Singh	Production Assistant	MA	30.07.2018
3.	Pankaj Saini	Production Assistant	Msc.	02.12.2022
4.	Himanshu Sharma	Technician	B.Tech	06.09.2019

## 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	01
2	Publications in National Journals	04
3	Papers presented at International Conferences	01
4	Papers presented at National Conferences	01

## 5 List of Publications

NIL

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Particulars	Date/ Duration	Beneficiary Count
1	Workshop on Radio Production AI Tools and radio Industry.	21.10.2023	50
2	Workshop on Art of Lightning in Photography.	21.04.2024	50
3	A workshop on Signs and meaning in Cinema.	28.09.2023- 30.09.2023 (03 Days)	25
4	Workshop on basics of TV Production.	19.03.2024	25
5	Workshop on TV production – From Idea to Production.	08.04.2024	70
6	Expert lecture on Print Vs Digital Media	16.04.2024	50
7	Expert lecture “Skills required for a successful Career as media Coordination in NGO”.	16.11.2023	55
8	Expert lecture Right To Information Necessity and Importance.	06.10.2023	55
9	One day Expert Lecture Topic- Start to Finish: UX/UI Designer	30-07-2024	30
10	One day Expert lecture on Building an Employment- Ready Profile	13.09.2024	30
11	One day workshop on Meta- Magic of Photoshop	19.01.2024	30
12	One day Expert Lecture on Media Research: Conceptualisation and Execution	21.02.2024	30
13	Master Class on Bring your data to Life Interactive Vs Static Visualisation	13.09.2024	30
14	one day workshop on Clay Modelling workshop and Exhibition	13.08.2024	30
15	One day Expert Lecture on Sketching Skills	26.08.2023	30
16	Crafting compelling characters: A filmmaking workshop	22.10.2024	50

## 7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff

Sr. No.	Particular	Number
1.	Three days FDP was attended by Dr.Taruna Narula on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) at J C Bose University of Science and Technology, Faridabad from 13th October to 15th October 2023	1
2.	Seven Days National Level Virtual Faculty Development Programme entitled in Exploring Cultures: Diversity in Travel Writing" organized by Department of English, PPG College of Arts and Science, Coimbatore from 20.02.2024 to 27.02.2024.	1
3	Two days national conference on “Sociological Perspectives of Education in the New Millenium” from 24-25th February 2024 by Dr. Pawan Singh	1
4	International conference on “Exploring media, law & AI in the post-truth era: An evolving ecosystem” from 12th-14th March 2024 by Dr. Pawan Singh.	1

**8 Patents Published/ Granted during the year**

NIL

**9 Details of Industrial/Site Visits organized**

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1	Visit to All India Radio	10.08.2023	Dr. Taruna Narula	30
2	Visit to Surajkund International Fair	17.02.2024	Dr. Taruna Narula	25
3	Organised Industrial visit to Amar Ujala newspaper	25.10.2023	Dr. Sonia Hooda	25
4	BSCVCMT Students visit to Delhi Haat	19.10.2023	Dr. Sonia Hooda	30
5	MAJMC 2nd Sem. students visit IISF Fest Faridabad	18.01.2024	Dr. Sonia Hooda	25
6	BSCVCMT 3rd Sem students visit to MAAC Faridabad	05.02.2024	Dr. Sonia Hooda	30
7	Organised Industrial visit to Amar Ujala newspaper	25.10.2023	Dr. Sonia Hooda	25
8	BSCVCMT Students visit to Delhi Haat	19.10.2023	Dr. Sonia Hooda	30
9	MAJMC 2nd Sem. students visit IISF Fest Faridabad	18.01.2024	Dr. Sonia Hooda	25

**10 Sponsored R & D Projects**

NIL

**11 List of Consultancy Projects Completed**

NIL

**12 List of Ph.D. completed in the Department**

NIL

**13 Awards/ Achievements of the Faculty/Staff/Students**

NIL

**14 Placement details of Students**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package (Annual)	Average package (Annual)
1.	MAJMC	19	19	5 LPA	1 LPA

**15 Major Recruiters**

Akash Coaching Institute, Pehchan Faridabad, Petridish Media Pvt. Ltd., Hindustan Tehelka News, Dream Events and Conferences, CAPED India Trust, DPS Head Office Faridabad, TV9 Bharatvarsh Digital, News Impression Media, Sanchar News, Shubham Digital Color Lab and Studio, Wish Box Studio Communication Pvt. Limited, Ihorizon communications,

Instafeed, Smile Forever Foundation, Zee News as Internship Partner, Wish Box Studio Communication Pvt. Limited, Amar Ujala, Three idiots communication, Defence Research and Development, Establishment (DRDO), Navus IT Services Limited.

## 16 Major Equipment's/ Software's purchased

NIL

## 17 Higher Education data of students

Sr. No.	Name of student enrolling into higher education	Program from	graduated	Name of institution admitted to	Name of programme	of
1	Aastha Tiwari	BAJMC		JCBoseUST,YMCA	MAJMC	
2	Amisha Sharma	BAJMC		JCBoseUST,YMCA	MAJMC	
3	Amit Verma	BAJMC		JCBoseUST,YMCA	MAJMC	
4	Anchal Tiwari	BAJMC		JCBoseUST,YMCA	MAJMC	
5	Anjali Rawat	BAJMC		JCBoseUST,YMCA	MAJMC	
6	Anku Bhadana	BAJMC		JCBoseUST,YMCA	MAJMC	
7	Bhawna	BAJMC		JCBoseUST,YMCA	MAJMC	
8	Harsh Chaudhary	BAJMC		JCBoseUST,YMCA	MAJMC	
9	Sahil Kaushik	BSW		JCBoseUST,YMCA	MAJMC	
10	Sakshi Sharan	BAJMC		JCBoseUST,YMCA	MAJMC	
11	Yogesh Lamba	BAJMC		JCBoseUST,YMCA	MAJMC	
12	Aman	BSW		JCBoseUST,YMCA	MSW	
13	Anjali	BSW		JCBoseUST,YMCA	MSW	
14	Fiona Gloria Clarke	BSW		JCBoseUST,YMCA	MSW	
15	Monika	BSW		JCBoseUST,YMCA	MSW	
16	Natasha	BSW		JCBoseUST,YMCA	MSW	
17	Param	BSW		JCBoseUST,YMCA	MSW	
18	Prerna Sharma	BSW		JCBoseUST,YMCA	MSW	
19	Sandhya	BSW		JCBoseUST,YMCA	MSW	
20	Sanjna	BSW		JCBoseUST,YMCA	MSW	
21	Agam Singh	BAJMC		Jamia Milia Islamia	MAJMC	

**18 Academic and Extension activities**

Sr. No.	Name of Event	Date on which the activity are conducted	Activity Head	Number of Beneficiary
1.	Interview of Mrs. Jayamala Tomar was conducted by the Students for Health Communication Lab	27.08.2024	Dr. Taruna Narula	Community
2.	Portfolio Exhibition	18.11.2023	Dr.Pawan Singh Dr. Rahul Arya Dr. Taruna	75
3.	Open Mic 2	03.08.2023	All Faculty Members	250
4.	Open Mic 3	29.09.2023	Dr. Pawan Singh Dr. Akhilesh Tripathi Dr. KM Tabish	250

**19 Faculty served as Invited Speaker/Chair/Resource Person****Dr. Pawan Singh**

- Expert lecture on “Role of multimedia in behaviour modification” on date 23rd March 2024 at Balaji College of Education, Ballabgarh, Faridabad.
- Expert lecture on “Indian Knowledge Systems & Media Role” on 9th March 2024 at Tilak School of Journalism & Mass Communication, CCS University, Meerut.
- Invited panelist speaker in 9th India international science festival 2023, 17-20 January 2024, Organised by Govt. of India’s Ministry of Science & Technology, Ministry of Earth Sciences, Dept. of Space, Dept. of Atomic Energy and Govt. of Haryana in association with Vijnana Bharati (VIBHA).
- Invited resource person in the National Seminar & Media Conclave on “Media, Culture and Society in Digital Era”, Oct. 30-31, 2023. Event was organised by dept. of journalism and Mass Communication, MDU, Rohtak.
- Keynote speaker in Antarrashtriya RajBhasha Utsav, 3rd Oct. 2023. Event organised by Bharati Bhasha Samvardhan Sansthan, under the patronage of embassy of India Doha, Qatar.
- Expert lecture on “Use of Visuals in learning process” on 23rd September 2023 at Balaji College of Education, Ballabgarh, Faridabad.
- Expert lecture on “The Role of New Media in Activism and Social Change” on 26th August 2023 at Tilak School of Journalism & Mass Communication, CCS University, Meerut.
- Expert lecture on “Workplace Spirituality”, Feb.- May 2023, Value-Added Course .Which was organised by Department management studies, J.C. Bose University, Faridabad.
- Expert lecture on “Misinformation and Disinformation” on 19th May 2023 at Balaji College of Pharmacy, Ballabgarh, Faridabad.

**20 Faculty serving as Editors/Members of Editorial Boards****Dr. Bharat Dhiman**

- Member of International Association of Academic plus Corporate Society - [IAAC], (2022 to Present) (Membership ID: FRT JQC-CE000784)
- Life Member of All India Council For Technical Skill Development (AICTSD) ( 2023 to Present) Member ID: AICTSD/PROFESSOR/76887
- Editor of Journal of Media and Management (ISSN: 2755-0109 ), (Scientific Research and Community Ltd, United Kingdom)
- Reviewer of Global Media Journal (ISSN-1550-7521)

- Editorial Member of Acta Scientific Computer Sciences International Journal (ISSN: 2582-0931) (30th March 2023 to till date)
- Editorial Member of International Journal of Technology and Emerging Sciences (IJTES) (E-ISSN: 2583-1925) (Membership ID: IJTESREW0101) (22 April 2023 to Till Date)
- Editorial Board Member of International Research Journal of Innovations in Engineering & Technology (IRJIET) ISSN (online): 2581-3048 (June 2023 to Till Date)
- Reviewer of reputed International Journal of Human-Computer Interaction, ISSN No. 1044-7318, Publisher, Taylor and Francis Ltd. (June 2023 to Till Date)
- Reviewer of Cogent Education, ISSN 2331-186X, Publisher, Taylor and Francis Ltd. (June 2023 to Till Date)
- Reviewer of Cogent Arts & Humanities, ISSN No. 23311983, Publisher, Taylor and Francis Ltd. (June 2023 to Till Date)
- Reviewer of Journal of Communications (ISSN: 1796-2021) (Indexed in Scopus (Cite Score 2022: 2.5). (June 2023 to Till Date)
- Reviewer of Behaviour & Information Technology, (ISSN: 0144929X), Publisher, Taylor and Francis Ltd. (June 2023 to Till Date)
- Reviewer of European Journal of Education (Education & Educational Research), (ISSN: 1465-3435), Published quarterly by Wiley-Blackwell Publishing Ltd. (July 2023 to Till Date)
- Editorial Board Member of World Journal of Clinical & Medical Images (WJCMI) ISSN: 2833-9312, DOI: 10.33140/WJCMI, USA. (July 2023 to Till Date)
- Reviewer of Communication and Linguistics Studies Journal, ISSN Print: 2469-7850, Published by Science Publishing group, USA. (May 2023 to May 2025)
- Editorial Board Member of International Research Journal of Innovations in Engineering and Technology, (IRJIET), Membership ID: EBM042043, India. ( August 2023 to Till Date)
- Reviewer of Media Asia journal published quarterly by the Asian Media Information and Communication Centre (AMIC) and Routledge Taylor & Francis Group, Philippines ( August 2023 to Till Date)

# DEPARTMENT OF LITERATURE AND LANGUAGES

Chairperson: Prof. Divyajyoti Singh

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	Critical Thinking and Corporate Communication
2	Post Graduate	M.A. English

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Divyajyoti Singh	Ph.D., NET	Professor	English Literature Indigenous Studies	03.01.2006
2.	Reena Grewal	Ph.D.	Assistant Professor	English Literature	26.06.2018
3.	Mamta Bansal	MA(English), NET	Assistant Professor	Communication and Literature	11.09.2021
4.	Ankita Goel	MA(English), NET	Assistant Professor	Literature	08.09.2021

## 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1.	Mr Satish Parewa	Peon		

## 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	–
2	Publications in National Journals	01
3	Papers presented at International Conferences	01
4	Papers presented at National Conferences	01

## 5 List of Publications

NIL

**6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department**

Sr. No.	Particulars	Dates Duration	Beneficiary Count
1	Deenbandhu Sir Chottu Ram Memorial: Subaltern Speaks Series	24.09.2023	30
2	Three Day Theatre Workshop	04.10.2023- 06.10.2023	50
3	Expert Lecture on 'The Art of Rhetoric: Ethical Arguments and Intercepting Logical Fallacies' by Prof. Dr. Divyajyoti Singh	29.01.2024	50
4	Expert Lecture on 'Optimizing English Studies' by Prof. Dr. Deepti Gupta	12.02.2024	50
5	Friday Lecture on 'The Chaucerian Epoch: Unveiling the Renaissance of Language and Literature' by Dr. Reena Grewal	15.02.2024	50
6	Alumni Lecture (Lecture I) on 'Creating Personal Website for Brand Building'.	27.02.2024	20
7	Research Colloquium on 'Politics of Representation in George Orwell's Animal Farm' by Ms. Mamta Bansal	15.03.2024	50
8	Alumni Lecture (Lecture II) on 'Mastering the Art of Effective Presentations'.	22.03. 2024	20
9	Expert Lecture on 'Humanism to Posthumanism:AI from a Literary Perspective" by Pro. Dr. Divyajyoti Singh	09.04.2024	50
10	Friday Lecture on 'Narratology: Reflections on the Science behind Storytelling' by Ms. Ankita Goel	10.04..2024	50
11	Interactive Session on 'Social Concerns and Activism in Doris Lessing's Short Fiction: A Study" by Dr. Nilima Prakash	18.04. 2024	50
12	Interactive Session on 'Women and Golden Age of Crime Fiction' by Ms. Shreya Thepliyal	19.04. 2024	50
13	Interactive Session on 'Subaltern Voices in Mahasweta Devi's play Mother of 1984' by Ms. Pooja Verma	22.04. 2024	50
14	Interactive Session on 'Role of Women in Victorian Literature' by Ms.Bharti Sharma	22.04.2024	50
15	Friday Lecture on 'Heidegger's Phenomenology: An Investigation into Being and Time" by Mr. M.A.Rahmani	23.04.2024	50

**7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff**

Sr. No.	Particular	Number
1	STCs/STPS	07
2	Workshops	01
3	Conferences	02
4	FDPs	01

**8 Patents Published/ Granted during the year**

NIL

**9 Details of Industrial/Site Visits organized**

NIL

**10 Sponsored R & D Projects**

NIL

**11 List of Consultancy Projects Completed**

NIL

**12 List of Ph.D. completed in the Department**

NIL

**13 Awards/ Achievements of the Faculty/Staff/Students**

Sr. No.	Name of the Awardee	Awarding Agency(s)	Name of Award/Prize	Date of Receiving
1.	Jyoti Verma	UGC Percentile: 91.34	Qualified for Admission to Ph.D. only	UGC-NET June 2024 (26.12.2024)

**14 Placement details of Students**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	MA (English)	38	26	5 LPA	2 LPA

**15 Major Recruiters**

Education Sector

**16 Major Equipment's/ Software's purchased**

NIL

**17 Higher Education data of students**

Sr. No.	Name of the student	Name of the course	Name of the Institute/Univ.	Year of passing
1	Ms. Swati Mittal	Ph.D	Manav Rachna International University	2023
2	Ms. Garima Rajput	B.Ed	CRSU	2023
3	Mr. Lalit Chechi	B.Ed	CRSU	2023
4	Ms. Simran Arora	Ph.D	Manav Rachna International University	2023

Sr. No.	Name of the student	Name of the course	Name of the Institute/Univ.	Year of passing
5	Ms. Muskan Aggarwal	B.Ed	Pt.LR College of Education	2024
6	Ms Shrishti Singh	B.Ed	Pt.LR College of Education	2024
7	Mr.Aditya Singh	MBA	Amity University	2024
8	Mr. Kartik Yadav	LLB	DGIM, Tigaon	2024
9	Ms. Monika	B.Ed	Shiv College, Tigaon	2024
10	Ms. Khushi	Graphic Design Study	MAAC Institute	2024
11	Ms. Mosum	B.Ed	Aravalli College of Advanced Studies	2024
12	Ms. Kalpana	B.Ed	Aravalli College of Advanced Studies	2024

## 18 Academic and Extension activities

NIL

## 19 Faculty served as Invited Speaker/Chair/Resource Person

Sr. No.	Name of Program	Topic of Conference/ FDP	Approving Body of Conference/ FDP	Name of Resource Person
1	2-Day Virtual International Conference (01.10.2023-02.10.2023)	Future Human: Digital Frontiers in Posthumanist Discourse	All India Forum for English Students, Scholars and Trainers (AIFEST)	Divyajyoti Singh, Professor
2	International Conference on Soliloquies, Monologues and Speeches in Shakespeare (26.10.2023-28.10.2023)	Soliloquies, Monologues and Speeches in Shakespeare	Kanoria PG Mahavidyalaya, Jaipur, University of Rajasthan in collaboration with The Shakespeare Association (India).	Divyajyoti Singh, Professor
3	Orientation programme (Sciences)	Scientific Temper, Critical Thinking and History of Science and Technology	JC Bose University of Science and Technology YMCA, Faridabad, Haryana.	Divyajyoti Singh, Professor
4	Two-Day Virtual International Conference	Future Human: Digital Frontiers in Posthumanist Discourse	AIFEST 2023	Ms Mamta Bansal

## 20 Faculty serving as Editors/Members of Editorial Boards

### Dr. Divyajyoti Singh

- Editor-in-Chief; Simulacra, In-House, J. C. Bose University of Science and Technology, YMCA Faridabad, Haryana.

# **Faculty of Interdisciplinary Studies**

# CENTRE FOR ENERGY STUDIES

Chairperson: Prof. Neelum Turk

## 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Post Graduate	M. Tech. (Energy and Environmental Engineering)

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Dr. Sachin Shoran	Ph.D.	Guest Faculty	Nanomaterials and Energy	01.08.2023

## 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1.	Renu Bhatia	Clerk	Graduation	24.11.2020
2.	Tarun Nagar	Peon	12th	29.03.2022

## 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	00
2	Publications in National Journals	00
3	Papers presented at International Conferences	00
4	Papers presented at National Conferences	00

## 5 List of Publications

NIL

## 6 Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department

Sr. No.	Name of the FDP/ Workshop/ Conference/ Expert Lecture	Dates Duration	Beneficiary Count
1.	Nanomaterials: Transforming Energy and Environment	31.10.2023	08
2.	Multicriterion Decision Making Approaches	16.02.2024	06
3.	Alternate Energy Resources	06.03.2024	05
4.	Energy Management- Global Scenario	04.04.2024	22

## 7 FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff

NIL

**8 Patents Published/ Granted during the year**

NIL

**9 Details of Industrial/Site Visits organized**

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1	Belz Calibration Lab, Faridabad	20.10.2023	Dr. Sachin Shoran	06
2	Rajesh Gupta & Associates Construction Company	25.01.2024	Dr. Rajesh Attri	06
3	S.K. Mittal Construction Company	25.01.2024	Dr. Rajesh Attri	06
4	National Council for Cement and Building Materials	26.04.2024	Dr. Rajesh Attri	06

**10 Sponsored R & D Projects**

NIL

# **Central Workshop - Mechanical Engineering**

# CENTRAL WORKSHOP - MECHANICAL ENGINEERING

Workshop Superintendent: Dr. Vivek Sharma

## 1 Introduction

The Central workshop is equipped with an up-to-date facility of machines/equipments required for providing realistic training and up-gradation of knowledge and skills for under graduate and post graduate students. It serves as a hub for practical training, fostering the enhancement of knowledge and skills essential for thriving in today's competitive engineering landscape. The central workshop is divided into three sub-sections viz: Machine Tool Workshop, Refrigeration & Air-Conditioning and Fabrication Welding & Sheet Metal Work shop.

- **Machine Tool Workshop:** The machine tool workshop serves as a hub for students to hone their technical skills in machine tool operations and maintenance. It comprises with CNC section, turning and milling section, fitting and sheet metal shop, carpentry and pattern making shop, smithy and foundry shop.
- **Refrigeration & Air-Conditioning:** Refrigeration and Air Conditioning (RAC) workshop equipped with refrigeration and air conditioner cycle trainer, Ice candy plant, different types & capacities of air conditioners, ceiling cassette, PCB testing panel for required to learn the fundamentals along with hands-on experience with advanced techniques and technologies. The workshop also includes the facility of Centre of Excellence developed by Daikin India Pvt. Ltd for sustaining knowledge and conveys industrial implications.
- **Fabrication Welding & Sheet Metal Workshop:** The FWSMT workshop offers students an immersive experience in welding, enabling them to operate a wide range of welding equipment independently. The workshop permits state-of-the-art machinery including arc, MIG, and TIG welding machines, as well as specialized equipment like TIG spot welders, air-cooled arc welders, and submerged arc welding machines.

Sr. No.	Name and Designation	Responsibility
1	Dr. Vivek Sharma Workshop Superintendent	Overall supervision of Central Workshop (ME) facilities and concerned staff members. Also, additional Charge of Fleet Incharge and Incharge of Central Facilities including Auditorium, Shakuntalam and MMC.
2	Dr. Atul Sharma Head of Section	To look after the operations of Machine Tool Workshop Section in Central Workshop (ME) and their subordinates include Senior Instructors, Instructors and Technicians.
3	Sh. Ashish Pal Head of Section	To look after the operations of Fabrication Welding and Sheet Material Workshop Section in Central Workshop (ME) and their subordinates include Senior Instructors, Instructors and Technicians.
4	Sh. Manmohan Kakkar Head of Section	To look after the operations of Refrigeration and Air- Conditioning Workshop Section in Central Workshop (ME) and their subordinates include Senior Instructors, Instructors and Technicians.

## 2 New Initiatives

- Three New workshops have been introduced in the Central Workshop facility which includes Carpentry, Foundry and Pattern Making Shops.
- Coordinate Measuring Machine (CMM) in CNC Centre has been incorporated in the training module at the Central Workshop Facility.

- Virtual Welding Setup has been incorporated in the training module at the Central Workshop Facility.
- Initiated overall renovation work to utilize space for creating more work stations for smooth functioning of Central Workshop facility.

**Community College of Skill Development  
(CCSD)**

# COMMUNITY COLLEGE OF SKILL DEVELOPMENT

**Principal: Dr. Sanjeev Goyal**

**Vice Principal: Mr. Nitin Goel**

## **1 Introduction**

The Community College of Skill Development (CCSD), J.C. Bose University of Science and Technology, YMCA, Faridabad (Haryana), represents a pioneering initiative in the realm of higher education and vocational training in Haryana, India. Situated within the vibrant campus of J.C. Bose University, CCSD is dedicated to bridging the gap between academia and industry by offering skill-based programs tailored to meet the demands of the contemporary job market. Established with the vision of fostering holistic development and empowering individuals with practical skills, CCSD has emerged as a beacon of excellence in skill development education. At CCSD, the curriculum is meticulously designed to equip students with the requisite technical expertise and hands-on training needed to excel in their chosen fields. These programs are crafted in consultation with industry experts to ensure alignment with the evolving needs of the workforce.

Established in 2013, the Community College of Skill Development embarked on its journey by offering a one-year diploma course in Welding and Electrician fields, achieving an exceptional feat with a cent percent placement record for its graduates. As part of its commitment to staying responsive to industry demands, the college expanded its portfolio in subsequent years. In 2016-17, it initiated a Diploma in Refrigeration & Air Conditioning in collaboration with Daikin through a Memorandum of Understanding (MoU). This strategic partnership facilitated access to state-of-the-art training tailored to industry standards. Continuing its trajectory of growth, the college introduced Bachelor in Vocation (B.Voc) courses in the 2018-19 academic session, enhancing the breadth of educational opportunities available to students.

Anticipating the evolving needs of the job market, Community College of Skill Development launched a forward-looking program: the Post Graduate Diploma in Data Science & Analytics, commenced in 2019-20. With an increasing array of skill courses and a steady stream of skilled graduates, the Community College of Skill Development actively contributes to the government's Skill India program, playing a pivotal role in bridging the gap between education and employment opportunities.

In 2022, the Community College of Skill Development expanded its academic offerings by introducing two groundbreaking programs: the PG Diploma in Anti-Drone & Autonomous Technology and the PG Diploma in Philosophy of Communal Harmony & Social Justice. These additions underscore the institution's commitment to staying abreast of emerging trends and addressing pertinent societal issues through education. The PG Diploma in Anti-Drone & Autonomous Technology equips students with specialized skills to navigate the complexities of unmanned aerial vehicles and autonomous systems, while the PG Diploma in Philosophy of Communal Harmony & Social Justice fosters critical thinking and understanding in promoting societal cohesion and advocating for equitable social structures.

## 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1	Poonam Chhabra	M.Tech	Assistant Professor Contract	Data Mining, Web Development	20.10.2018
2	Vimlesh Ojha	M.Tech	Assistant Professor Contract	Automobile Engg, Manufacturing Tech & Automation	20.10.2018
3	Savita Rani	MBA, M.Phil (Management)	Assistant Professor Contract	Finance and Marketing	03.07.2023
4	Disha Garg	Phd (Computer Science)	Assistant Professor Contract	Computer Science	10.07.2023
5	Himanshi Singhal	MA (English)	Lecturer Contract	English	20.06.2023
6	Ravi Kumar	M.Com, MBA	Lecturer Contract	Finance	16.06.2023
7	Priyanka	MA (Yoga)	Lecturer Contract	Yoga	10.07.2023
8	Vinita Garg	M.Com, MBA	Assistant Professor Guest	Finance and Marketing	01.12.2020
9	Rahul Rohilla	MCA	Assistant Professor Guest	Web Development	05.05.2022
10	Abhishek Kumar	M.Tech. (Electrical)	Assistant Professor Guest	Power System	08.12.2020
11	Sandeep Kumar	M.Tech	Assistant Professor Guest	Manufacturing Tech. & Automation	07.11.2022
12	Gaurav	M.Tech	Assistant Professor Guest	Manufacturing Tech. & Automation	07.11.2022
13	Tarun Rawat	Masters in Yogic Science	Assistant Professor Guest	Yoga Therapy	26.11.2020
14	Manjari Joshi	Masters in Yogic Science	Assistant Professor Guest	Yoga Therapy	02.9.2019
15	Anita Sharma	M.Sc. (Physics)	Assistant Professor Guest	Physics	07.11.2022
16	Nitin Gupta	Phd (Physics)	Assistant Professor Guest	Nuclear Physics	07.11.2022
17	Ranjan Kumar	M.Sc. Computational Science	Assistant Professor Guest	Data Science	07.11.2022
18	Garima Ahuja	M.A. (English)	Assistant Professor Guest	English	01.09.2018

### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Komal Sorout	Lab Assistant Contract	MCA	20.01.2020
2	Naveen	MIS Operator Contract	MA	22.12.2020
3	Uttam Kumar	Robotics Programmer Contract	M.Tech	28.06.2022
4	Sonia Agarwal	Accountant HKRNL	MCA	01.05.2019
5	Neha	DEO HKRNL	M.Sc	01.07.2021
6	Meenu	Helper/ Attendant HKRNL	BA	01.06.2019

### 4 Constitution of Advisory Council

Sr. No.	Name	Department and Designation
1	Prof. S. K. Tomar	Vice Chancellor, J. C. Bose University of Science and Technology, YMCA, Faridabad
2	Dr. Meha Sharma	Registrar, J. C. Bose University of Science and Technology, YMCA, Faridabad
3	Dr. Komal Bhatia	Dean, FIC, J. C. Bose University of Science and Technology, YMCA, Faridabad
4	Prof. Komal Bhatia	COE, J. C. Bose University of Science and Technology, YMCA, Faridabad
5	Sh. Nitin Goel	Vice Principal, CCSD
6	Mr. Manish Dubey	DGM, NSIC Neemka
7	Sh. V. Valliappan	Deputy General Manager, JCB India Private Limited
8	Dr. S. K. Goel	Executive Director, Star Wire Limited
9	Mr. Sumit Kumar	Representative of ISHARE
10	Mr. Sanjeev Aggarwal	Representative of Industries
11	Dr. Sanjeev Goyal	Principal, Community College of Skill Development

### 5 Constitution of Board of Studies

Sr. No.	Name	Department and Designation
1	Dr. Sanjeev Goyal	Principal, Community College of Skill Development
2	Sh. Nitin Goel	Vice Principal, CCSD
3	Sh. Sudhanshu Padhy	Head, Gurukul, Hero Motor Corporation Ltd.
4	Dr. Shilpa Sethi	Associate Professor, Department of Computer Engineering, JCBUST, YMCA
5	Dr. Neha Goyal	Assistant Professor, Department of MBA, JCBUST, YMCA
6	Dr. Sanjay Kumar	Assistant Professor, Department of Mechanical Engineering, JCBUST, YMCA
7	Dr. Poonam Garg	Assistant Professor, Department of Computer Engineering, JCBUST, YMCA
8	Dr. Praveen Kumar	Assistant Professor, DITE, Delhi
9	Sh. Rajeev Sharma	AGM, JBM Group, Faridabad

Sr. No.	Name	Department and Designation
10	Sh. PrabhakarYadav	COO, Durga Threading Tools, Faridabad
11	Sh. Narender Aggarwal	CMD, Shivaliks Print ltd.
12	Dr. R.S. Rathore	Registrar, SVSU Palwal
13	Sh. Naveen Kumar	Professor, Department of Mechanical Engineering, DTU Delhi
14	Dr. Nikhil Dev	Assistant Professor, Department of Mechanical Engineering, JCBUST, YMCA
15	Mrs. Anubha Gautam	Assistant Professor, Department of Electrical, J.C. Bose UST, YMCA

## 6 Courses During the Year 2023-24 (Course Offered at PG Level):

Sr. No.	Course	Duration	Intake	Student Admitted
1.	Data Science & Analytics	1 year	20	07
2.	Yoga Science & Naturopathy	1 year	50	36

## 7 Courses During the Year 2023-24 (Course Offered at UG Level)

Sr. No.	Course	Duration	Intake	Student Admitted
1	B. Voc. Web Development	3 years	5	52
2	B. Voc. Automobile	3 years	5	42
3	B. Voc. Electrical	3 years	5	46
4	B. Voc. Manufacturing	3 years	5	44
5	B. Voc. Automotive Manufacturing Technology (AMT)	3 years	6	21
6	B. Voc. Banking, Finances Services and Insurance	3 years	6	66

## 8 Courses During the Year 2023-24 (Course Offered at Diploma Level)

Sr. No.	Course	Duration	Intake	Student Admitted
1.	Web Designing	1 year	50	07
2.	Yoga and Naturopathy	1 year	50	22

## 9 Placement Details of Students

Name of the Diploma Course	No. of Eligible Student	No. of students Placed
PG Diploma in Yoga Science & Naturopathy	23	Self-Employed
PG Diploma in Data Science & Analytics	5	5
B. Voc Automobile	14	14
B. Voc Manufacturing	13	13
B. Voc Electrical	13	7

B. Voc Web Development	24	10
B. Voc Banking Finance Services and Insurance	44	20

\*Note: Highest Package - 3.6 LPA (SMS GROUP)

## 10 Higher Education Data of Students

Name of the Course	Name of the Program Admitted to	No. of students opted Higher Studies
B. Voc Electrical	PGDM	01
B. Voc Web Development	MCA	09
B. Voc Banking Finance Services and Insurance	MBA	15

## 11 Workshop/Stc/Invited Talks/Other Activities Conducted

Sr. No.	Name of the Activity	Title	Name of the Expert	Designation and Association	Date
1	Expert Lecture	Stock Trading Mechanism	Mr. Nitin Kumar Gupta	AMFI registered Mutual fund Distributor & Owner at NKG Financial Services	16.11.2023
2	Expert Lecture	Digital Marketing	Mr. Sahil Goyal	Owner at STS Digital Solutions.	18.01.2024
3	Expert Lecture	Wealth Management	Mr. Deepak Goyal	Manager, Canara Bank	19.03.2024
4	Workshop	Linked In	Mr. Akash S. Tonasalli	Founder and CEO, Digisnare Technologies	4.4.2024 - 6.4.2024
5	Expert Lecture	Blockchain	Mr. Parik Ahlawa	Lead Blockchain Engineer, Accelchain	19.4.2024

## 12 INDUSTRIAL VISIT ORGANIZED

Sr. No.	Name of the Industry	Beneficiaries	Objective	Date
1.	Hero Motor Corporation Limited.	50	To equip students with the knowledge of the manufacturing process and to introduce students with the working environment of an organization.	30.01.2024

**13 MEMORANDUM OF UNDERSTANDING (MOU'S):**

Sr. No.	Name of the Organization	Duration	Objective
1.	Hero Motor Corporation Limited.	27-07-2022 to 27-07-2025 (3 Years)	Training and placement of students
2.	NSIC- Technical Service Centre, Sector 71, Faridabad, Haryana	11-01-2024 to 11-01-2027 (3 Years)	Providing practical training and conducting Workshop classes of the students of the University

## **Academic Section**

## ACADEMIC BRANCH

### 1 Constitution

Sr. No.	Name	Designation & Responsibility
1	Prof. Ashutosh Dixit	Dean, Academic Affairs
2	Sh.Manish Gupta	Deputy Registrar
3	Dr.Jyoti Mor	Assistant Registrar
4	Sh.Sanjay Singh	Superintendent
5	Sh.Ajay Sharma	Superintendent (HKRN)
6	Sh. Dinesh Arora	Personal Assistant
7	Ms. Sunita	Sr. Stenographer
8	Sh. Kishan Singh	Clerk
9	Sh. Sonu Sagar	Clerk
10	Sh. Lalit Kumar	Clerk (HKRN)
11	Sh. Surender Singh	Peon (HKRN)
12	Sh. Kailash	Peon

### 2 Programmes Offered by the UTD's in AY 2023-24

Sr. No.	Department	Course/ Program	Level	Duration in Year(s)	Sanction Intake
1	Computer Engineering	B.Tech - Computer Engineering*	UG	4	120
2		B.Tech - Computer Engineering (Specialization in Data Science)*	UG	4	60
3		B.Tech - Information Technology*	UG	4	60
4		B.Tech (Indian Language-Hindi) - Computer Engineering	UG	4	30
5	Electrical Engineering	B.Tech - Electrical Engineering*	UG	4	60
6	Electronics Engineering	B.Tech - Electronics Engineering (Specialization in IoT)*	UG	4	60
7		B.Tech - Electronics & Communication Engineering*	UG	4	60
8		B.Tech - Electronics & Computer Engineering	UG	4	60
9	Civil Engineering	B.Tech - Civil Engineering	UG	4	60

Sr. No.	Department	Course/ Program	Level	Duration in Year(s)	Sanction Intake
10		B.Tech - Environmental Engineering	UG	4	30
11	Mechanical Engineering	B.Tech - Mechanical Engineering*	UG	4	120
12		B.Tech - Robotics and Artificial Intelligence	UG	4	30
13		B.Tech (Indian Language-Hindi) - Mechanical Engineering	UG	4	30
<b>Following Under Graduate Programs (Sr. No. 14 to 25) are being offered as per the provisions of NEP-2020.#</b>					
14	Computer Applications	BCA	UG	4-Mar	60
15		B.Sc. - Animation & Multimedia	UG	4-Mar	35
16	Physics	B.Sc. - Physics	UG	4-Mar	60
17	Mathematics	B.Sc. - Mathematics	UG	4-Mar	60
18		B.Sc. - Mathematics and Computing	UG	4-Mar	10
19	Chemistry	B.Sc. - Chemistry	UG	4-Mar	60
20	Life Sciences	B.Sc. - Life Sciences	UG	4-Mar	60
21	Communication and Media Technology	B.Sc. - Visual Communication & Multimedia Technology	UG	4-Mar	30
22		B.A. - Journalism & Mass Communication	UG	4-Mar	45
23		Bachelor of Social Work	UG	4-Mar	45
24	Management Studies	BBA	UG	4-Mar	60
25		B.Com	UG	4-Mar	60
26	Community College of Skill Development	B.Voc - Automotive Manufacturing Technology (AMT)	UG	3	60
27		B.Voc - Banking Financial Services and Insurance (BFSI)	UG	3	60
28		B. Voc - Manufacturing	UG	3	50
29		B.Voc - Automobiles	UG	3	50
30		B.Voc - Electrical	UG	3	50
31		B.Voc - Web Development	UG	3	50

Sr. No.	Department	Course/ Program	Level	Duration in Year(s)	Sanction Intake
<b>POST GRADUATE &amp; OTHER PROGRAMS</b>					
32	Mechanical Engineering	M.Tech - Mechanical Engineering (Specialisation in Manufacturing & Automation Technology)	PG	2	18
33	Electrical Engineering	M.Tech - Power Electronics & Drives	PG	2	18
34	Computer	M.Tech - Computer Engineering	PG	2	18
35		M.Tech - Computer Science & Engineering	PG	2	18
36	Electronics Engineering	M.Tech - Electronics & Communication Engineering	PG	2	18
37		M.Tech - VLSI Design	PG	2	18
38	Centre for Energy Studies	M.Tech - Energy and Environmental Engineering	PG	2	18
39	Management Studies	MBA*	PG	2	120
40		MBA - Executive (Weekend Programme)	PG	2	60
41	Computer Applications	MCA	PG	2	60
42		M.Sc. - Animation & Multimedia	PG	2	20
43	Physics	M.Sc. - Physics	PG	2	60
44	Mathematics	M.Sc. - Mathematics	PG	2	60
45	Chemistry	M.Sc. - Chemistry	PG	2	60
46	Environmental Sciences	M.Sc. - Environmental Sciences	PG	2	35
47		PG Diploma in Waste Management	PGD	1	20
48	Life Sciences	M.Sc. - Biotechnology	PG	2	20
49		M.Sc. - Botany	PG	2	20
50		M.Sc. - Zoology	PG	2	20
51		M.Sc. - Microbiology	PG	2	20
52	Communication and Media Technology	M.A - Journalism & Mass Communication	PG	2	25
53	Literature and Languages	M.A - English	PG	2	35
54	Community College of Skill Development	Diploma - Electrician	Dip	2	50
55		Diploma - Web Designing	Dip	2	50

Sr. No.	Department	Course/ Program	Level	Duration in Year(s)	Sanction Intake
56		Diploma - Refrigeration and Air Conditioning	Dip	2	50
57		Diploma - Yoga and Naturopathy	Dip	2	50
58		PG Diploma - Data Science and Analytics	PGD	1	20
59		PG Diploma - Yoga Science and Naturopathy	PGD	1	50
60		PG Diploma - Anti Drone & Autonomous Technology	PGD	1	30
61		PG Diploma - Philosophy of Communal Harmony and Social Justice	PGD	1	40

\*NBA Accredited Program

# As per NEP 2020 (National Education Policy 2020) following details should be noted by all applicants:

- **UG Certificate:** Students who opt to exit after completion of the first year will be awarded a UG certificate if, in addition, they complete one vocational course of 4 credits during the summer vacation of the first year. These students are allowed to re-enter the degree program within three years and complete the degree program within the stipulated maximum period of seven years.
- **UG Diploma:** Students who opt to exit after completion of the 2nd year will be awarded the UG diploma if, in addition, they complete one vocational course of 4 credits during the summer vacation of the second year. These students are allowed to re-enter within a period of three years and complete the degree program within the maximum period of seven years.
- **3- year UG Degree:** Students who wish to undergo a 3-year UG program will be awarded UG Degree in the Major discipline after successful completion of three years with the minimum credit requirements.
- **4- year UG Degree (Honours):** A four-year UG Honours degree in the major discipline will be awarded to those who complete a 4-year degree program with the minimum credit requirements. 4-year UG Degree (Honours with Research): Students who secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year. They should do a research project or dissertation under the guidance of a faculty member of the University/College. The research project/dissertation will be in the major discipline with the minimum credit requirements.

STUDENTS ADMITTED: CATEGORY WISE																
Course Name	BC	BC-A	BC-B	EWS	HGST	HOGC	KM	PH	PMSSS	ROHC	SC	SC-D	SC-F	SGC	TFW	Grand Total
B.Com	3	6	7	5		16				16	9		2	1		65
B.SC.- Animation & Multimedia		3	1	3		15				14	2					38
B.SC. -Chemistry	2	2	4	4		19				19	8		1			59
B.SC. -Life Sciences		3	4	2		23				25	2					59
B.SC. -Mathematics		3	2	4		17				12	4		1			43
B.SC. - Mathematics and Computing)		1	1	1		1				5	2					11
B.SC. - Physics				1		21				7	2					31
B.SC.-Visual Communication and Multimedia Technology			2	3		10				16				1		32
B.Tech. -Civil Engineering	2	3	3	4		20	3			30	6		1		3	75
B.Tech (Indian Language -Hindi) - Computer Engineering		3	3	3		11				9	5	1			2	37
B.Tech. Computer Engineering (Specialization in Data Science)	7	5	3	7	1	30	3	1		11	7	3	2		3	83
B.Tech. -Computer Engineering	10	13	11	12	1	56	6	3	1	28	19	5			7	172
B.Tech-Electrical Engineering	9	2	2	6		19	2			26	7	2	2		3	80
B.Tech -Electronics & Communication Engineering	5	7	3	7	1	25	2			17	7	2	1		3	80
B.Tech-Electronics & Computer Engineering	9	4		7	1	28			1	15	8	4			3	80
B.Tech. Electronics Engineering (Specialization in IoT)		4	6	6	1	24				23	9	1			3	77
B.Tech - Environmental Engineering			1	1		1				3			1			7
B.Tech -Information Technology	8	4	3	6	1	27	2		1	12	7	4	1		3	79
B.Tech. (Indian Language-Hindi) - Mechanical Engineering				1		3				6	1					11
B.Tech-Mechanical Engineering	2	21	5	13		43	1		1	45	19	1	1		7	159
B.Tech -Robotics and Artificial Intelligence	3	2	2	3		10				15	2	2	1		2	42
Bachelor of Social Work			3			2				16	1		1			23

Course Name	BC	BC-A	BC-B	EWS	HGST	HOGC	KM	PH	PMSSS	ROHC	SC	SC-D	SC-F	SGC	TFW	Grand Total
B.A. - Journalism & Mass Communication		3	5	4		22	1			10	4			1		50
BBA	2	6	4	4		22	1			12	7	1	3	1		63
BCA		8	4	6		23				12	5	3	3	1		65
M.SC. - Animation Multimedia		1		1		5				2	1					10
M.SC. - Biotechnology		1	3	1		7				6	2		1	1		22
M.SC. -Botany			1	1		4				12	1					19
M.SC. -Chemistry		2	3	5		18				20	2		2	1		53
M.SC. - Environmental Sciences				2		3				16						21
M.SC.- Mathematics		1	2	5		18				13	2	1		1		43
M.SC. - Microbiology		3		2		6				5	4					20
M.SC. - Physics		4	1	6		21				15	3			1		51
M.SC. - Zoology	3		1	2		9				3	3			1		22
M.Tech. -Computer Engineering										3						3
M.Tech. Computer Science & Engineering				1		8				11						20
M.Tech. - Electronics & Communications Engineering						2				2						4
M.Tech. - Energy & Environmental Engineering						2				3						5
M.Tech. - Mechanical Engineering (Specialization in Manufacturing & Automation Technology)						4				2	1					7
M.Tech. -Power Electronics & Drives						3				1						4
MA -English		2	1	1		12				5			1			22
MA -Journalism & Mass Communication		2	1			9				11	1		1			25
MBA - Executive (Weekend Programme)				1		7				14						22
MBA	2	15	10	12		48		1		23	16	1	1		5	134
MCA		7	7	6		25				10	4	3	2		3	67
<b>Grand Total</b>	<b>67</b>	<b>141</b>	<b>109</b>	<b>159</b>	<b>6</b>	<b>699</b>	<b>21</b>	<b>5</b>	<b>4</b>	<b>581</b>	<b>183</b>	<b>34</b>	<b>29</b>	<b>10</b>	<b>47</b>	<b>2095</b>

## Students on Roll: Semester-Wise in Various Programmes

Sr. No.	Name of Course	Semester R-01		Total	Semester R-03		Total	Semester R-05		Total	Semester R-07		Total	Grand Total
		MALE	FEMALE		MALE	FEMALE		MALE	FEMALE		MALE	FEMALE		
1	B.Com	26	39	65	14	47	61	21	35	56				182
2	B.SC.- Animation & Multimedia	19	19	38	20	17	37	24	18	42				117
3	B.SC. - Chemistry	10	49	59	11	44	55	11	49	60				174
4	B.SC. -Life Sciences	5	54	59	10	33	43	9	44	53				155
5	B.SC. - Mathematics	13	30	43	18	44	62	23	40	63				168
6	B.SC. - Mathematics and Computing)	7	4	11	3	6	9							20
7	B.SC. - Physics	12	19	31	19	28	47	22	31	53				131
8	B.SC.-Visual Communication and Multimedia Technology	14	18	32										32
9	B.Tech. -Civil Engineering	57	12	69	40	14	54	49	11	60	56	17	73	256
10	B.Tech (Indian Language - Hindi) - Computer Engineering	27	7	34	24	12	36	15	8	23				93
11	B.Tech. Computer Engineering (Specialization in Data Science)	55	17	72	57	17	74	53	16	69	53	20	73	288
12	B.Tech. - Computer Engineering	118	26	144	107	46	153	114	39	153	124	25	149	599
13	B.Tech- Electrical Engineering	47	24	71	48	20	68	49	17	66	51	18	69	274
14	B.Tech - Electronics & Communication Engineering	51	19	70	55	20	75	44	27	71	55	17	72	288
15	B.Tech- Electronics & Computer Engineering	58	12	70	53	20	73	54	16	70	57	19	76	289
16	B.Tech. Electronics Engineering (Specialization in IoT)	52	16	68	43	29	72	50	22	72	52	13	65	277
17	B.Tech - Environmental Engineering		4	4	5	4	9	7	6	13				26
18	B.Tech - Information Technology	58	14	72	63	15	78	56	13	69	62	13	75	294

Sr. No.	Name of Course	Semester R-01		Total	Semester R-03		Total	Semester R-05		Total	Semester R-07		Total	Grand Total
		MALE	FEMALE		MALE	FEMALE		MALE	FEMALE		MALE	FEMALE		
19	B.Tech. (Indian Language-Hindi) - Mechanical Engineering	8	1	9	2		2	6		6				17
20	B.Tech- Mechanical Engineering	113	27	140	127	19	146	116	22	138	115	19	134	558
21	B.Tech - Robotics and Artificial Intelligence	27	8	35	32	5	37	23	8	31				103
22	Bachelor of Social Work	13	10	23	13	5	18	11	12	23				64
23	B.A. - Journalism & Mass Communication	10	40	50	24	27	51	22	29	51				152
24	BBA	24	39	63	23	41	64	32	30	62				189
25	BCA	23	42	65	33	31	64	34	33	67				196
26	M.SC. - Animation Multimedia	6	4	10	1	3	4							14
27	M.SC. - Biotechnology	3	19	22	1	23	24							46
28	M.SC. -Botany		19	19		19	19							38
29	M.SC. - Chemistry	6	47	53	9	49	58							111
30	M.SC. - Environmental Sciences	2	19	21	2	22	24							45
31	M.SC.- Mathematics	9	34	43	8	43	51							94
32	M.SC. - Microbiology	4	16	20	5	17	22							42
33	M.SC. - Physics	7	44	51	10	41	51							102
34	M.SC. - Zoology	1	21	22		19	19							41
35	M.Tech. - Computer Engineering	2	1	3										3
36	M.Tech. Computer Science & Engineering	13	7	20	7	6	13							33
37	M.Tech. - Electronics & Communications Engineering	3	1	4	1	3	4							8
38	M.Tech. - Energy & Environmental Engineering	5		5	1	1	2							7

Sr. No.	Name of Course	Semester R-01		Total	Semester R-03		Total	Semester R-05		Total	Semester R-07		Total	Grand Total
		MALE	FEMALE		MALE	FEMALE		MALE	FEMALE		MALE	FEMALE		
39	M.Tech. - Mechanical Engineering (Specialization in Manufacturing & Automation Technology)	7		7	3	1	4							11
40	M.Tech. -Power Electronics & Drives	3	1	4	2		2							6
41	M.Tech. (VLSI DESIGN)				2	1	3							3
42	MA -English	1	21	22	3	23	26							48
43	MA -Journalism & Mass Communication	9	16	25	9	12	21							46
44	MBA - Executive (Weekend Programme)	17	5	22	16	8	24							46
45	MBA	61	73	134	72	63	135							269
46	MCA	32	35	67	36	27	63							130
<b>Grand Total</b>		<b>1038</b>	<b>933</b>	<b>1971</b>	<b>1032</b>	<b>925</b>	<b>1957</b>	<b>845</b>	<b>526</b>	<b>1371</b>	<b>625</b>	<b>161</b>	<b>786</b>	<b>6085</b>

## **Scholarships Section**

## SCHOLARSHIPS SECTION

### 1 Introduction

The Scholarship Branch under the Dean Student Welfare Office provides merit-based scholarships and awards to the students of the University Teaching Departments. (UTDs). Scholarship Branch also provides financial assistance to UTDs students in various other ways such as-

- i. To provide financial assistance in the form of soft loans to EWS/needful students in association with MOB (Alumni Association).
- ii. To arrange for providing scholarship through some other external scholarship providing agencies, NGOs etc. to those students who are studying well and are unable to pay their fees due to financial constraints.
- iii. Arranging for award of scholarship to UTDs students through other external agencies and also in National Scholarship Portal (NSP) based on the verification of their scholarship forms.

### 2 Constitution

Sr. No.	Name	Designation
1.	Prof. Munish Vashishath	Dean Student Welfare
2.	Dr. Harish Kumar	Deputy Dean Student Facility
3.	Ms.Lalita Arora	Assistant
4.	Mohd. Sakir	Clerk
5.	Mr.Devendra Prasad	Clerk (HKRNL)
6.	Mr. Pradeep Parashar	Peon (HKRNL)

### 3 Details of Scholarships

Sr. No.	Name of Scholarship	No. of students allowed	Amount per student (in Rs.)	Eligibility Criteria
1.	<b>Scholarship received from Centre/State Govt.Department:</b>			
(a)	BC Post Matric Scholarship	No limit of number of students	As per Govt. Policy	BC Students whose parental income not more than 2.5 lacs per annum.
(b)	SC Post Matric Scholarship	No limit of number of students	tuition fee & other charges	SC students whose parental income not more than 2.50 lac per annum
(c)	AICTE J&K admitted student (PM-USP) Yojana	As per AICTE	tuition fee & other charges yearly	B. Tech students admitted from J&K, Leh & Ladakh under the scheme of Pradhan Mantri Uchchatar Shiksha Protsahan (PM-USP) Yojana through AICTE

Sr. No.	Name of Scholarship	No. of students allowed	Amount per student (in Rs.)	Eligibility Criteria
<b>2. National Scholarship Portal (NSP) Scholarships</b>				
(a)	Pragati Scholarship Scheme for Girl Students (Technical Degree)	No limit of number of students	Rs.50000/- yearly	As per the norms of Scholarship Awarding Agency
(b)	Saksham Scholarship Scheme for especially Abled Student (Technical Degree)	No limit of number of students	Rs.50000/- yearly	As per the norms of Scholarship Awarding Agency
(c)	Aicte–Swanath Scholarship Scheme (Technical Degree)	No limit of number of students	Rs.50000/- yearly	As per the norms of Scholarship Awarding Agency
(d)	Central Sector Scheme of Scholarships for College and University Students	No limit of number of students	Rs.12000/- yearly	As per the norms of Scholarship Awarding Agency
(e)	National Means Cum Merit Scholarship	No limit of number of students	Rs.25000/- yearly	As per the norms of Scholarship Awarding Agency
(f)	Prime Minister's Scholarship Scheme for Central Armed Police Forces and Assam Rifles	No limit of number of students	Rs.36000/- yearly	As per the norms of Scholarship Awarding Agency
(g)	Prime Minister's Scholarship Scheme for Wards of States/UTs Police Personnel Martyred During Terror/Naxal Attacks	No limit of number of students	As per their norms	As per the norms of Scholarship Awarding Agency
(h)	Prime Minister's Scholarship Scheme For RPF/RPSF	No limit of number of students	As per their norms	As per the norms of Scholarship Awarding Agency
(i)	Post-Matric Scholarship for Students with Disabilities	No limit of number of students	As per their norms	As per the norms of Scholarship Awarding Agency
(j)	National Scholarship for Post Graduate Studies	No limit of number of students	Rs.30000/- to 36000/- yearly	As per the norms of Scholarship Awarding Agency
<b>3. Scholarships from Private Organizations</b>				
(a)	Bharti Scholarship	20 students of B.Tech 1st year + 05 students for B.Tech-LEET (2nd year)	Tuition fee of every semester	B. Tech-1st year & B. Tech-LEET 2nd year Gril students on the basis of JEE Main Rank and Diploma + Online Entrance Test Rank (LEET)

Sr. No.	Name of Scholarship	No. of students allowed	Amount per student (in Rs.)	Eligibility Criteria
(b)	Foundation for Excellence	No limit of number of students	40000 per student yearly	As per the norms of Scholarship Awarding Agency
<b>4. Scholarships Provided by NGO/ Trust/MOB</b>				
(a)	Financial Assistance to economically weak/needy students (as a soft loan) by MOB (The Alumni Association)	No limit of number of students	Total fee (%age recommended by Chairpersons)	Financial assistance as a soft loan is provided to the students of the university of all courses with the reasons, i.e. Death of parent/critical illness for self/family member/loss of job/earning of parents etc.
(b)	VPM Scholarship by Vishwa Prakash Mission, Faridabad.	No limit of number of students	Tuition fee semester wise	As per the norms of Scholarship Awarding Agency
(c)	RKM Scholarship	No limit of number of students	Rs.4500/- yearly	As per the norms of Scholarship Awarding Agency
<b>5. Scholarships Provided by University</b>				
(a)	Financial Assistance to economically weak/needy students (as a soft loan) by University	No limit of number of students	Total fee (%age recommended by Chairpersons)	Financial assistance as a soft loan is provided to the students of the university of all courses with the reasons, i.e. Death of parent/critical illness for self/family member/loss of job/earning of parents etc.
(b)	Merit Cum Means Scholarship	15% of the sanctioned/ admitted strength of B.Tech./MCA/MBA course or actual intake whichever is less	Rs.750/- per month per student	B.Tech., MBA, & MCA students whose parental income 4.50 lacs per annum and passed their last two semester exams and secured atleast 7.750 CGPA
(c)	Governor/Chancellor Gold Medal	1	Rs.75,000/-+ Medal + Certificate	Overall B.Tech. academic topper student
(d)	Chief Minister Gold Medal	1	Rs.65,000/-+ Medal + Certificate	Overall B.Tech. academic topper girl student

## **Affiliation and Registration Section**

## AFFILIATION & REGISTRATION SECTION

### 1 Introduction

1. Aravali College of Engineering & Management, Jasana-Tigaon Road, Jasana, Faridabad.
2. Advanced Institute of Technology & Management, 70 KM, Delhi Mathura Road, Vill. Aurangabad, Teh. Hodal, Distt. Palwal.
3. B.S.Anangpuria Institute of Technology & Management, Vill. Alampur, Ballabgarh Sohna Road, Faridabad
4. Delhi College of Technology & Management, 77K.M.Stone, NH-2, Gudhrana, Palwal.
5. Echelon Institute of Technology, Village-Kabulpur, Kheri Manjhawali Road, Nehar Paar, Faridabad
6. National Power Training Institute, Faridabad
7. NGF College of Engineering & Technology, 71K.M.Stone, Dehi Mathura Highway, NH-2, Palwal
8. Rawal Institute of Engineering & Technology, Sohna Road, Near Vill. Zakopur, Ballabgarh, Faridabad.
9. Satyug Darshan Institute of Engineering & Technology, Bhupani-Lalpur Road, Bhupani, Faridabad.
10. Shri Ram College of Engineering & Management, 70K.M.Stone, Delhi Mathura Road, NH-2, Palwal.
11. Raja Jait Singh Government Polytechnic, VPO: Neemka, Ballabgarh, Faridabad, Haryana- 121004
12. \*Satya College of Engineering & Technology, 72 K.M. Stone, Delhi Mathura Road, NH-2, Distt. Palwal.
13. \*Delhi Institute of Technology, Management & Research, Vill. Firojpur Kalan, Sohna Road, Faridabad.
14. \*Rattan Institute of Technology & Management, 79K.M.Stone, NH-2, Mundkati Chock Saveli, Palwal.  
\*The matter of affiliation is Subjudice.

**ARAVALI COLLEGE OF ENGINEERING & MANAGEMENT, FARIDABAD**

1.	Name of the Director/ Principal	: Dr. Suresh Kumar Jindal
2.	Total number of courses offered by the college	: 10
3.	Total number of intake of all courses	: 660
4.	Total student's strength in all courses	: 597
5.	New Courses started by the College during the year	: No
6.	Seats increased/decreased by the College during the year	: No
7.	Any Course discontinued by the College	: No

Details of UG Courses

Name of Course	Branch	Intake
B.Tech	Electronics & Communication Engineering	30
B.Tech	Computer Science & Engineering	150
B.Tech	Mechanical Engineering	30
B.Tech	Civil Engineering	30
B.Tech	Computer Science & Engineering (Artificial Intelligence & Machine Learning)	60
BBA	BBA	60
BCA	BCA	60
BBA	Specialization in Financial Services & Banking	60
BCA	Specialization in Data Science	60

Details of PG Courses:

Name of Course	Branch	Intake
MBA	MBA	120

**ADVANCED INSTITUTE OF TECHNOLOGY & MANAGEMENT, PALWAL**

1.	Name of the Director/ Principal	: Dr. R.R. Pandey
2.	Total number of courses offered by the college	: 14
3.	Total number of intake of all courses	: 675
4.	Total student's strength in all courses	: 784
5.	New Courses started by the College during the year	: No
6.	Seats increased/decreased by the College during the year	: No
7.	Any Course discontinued by the College	: No

**Details of UG Courses**

Name of Course	Branch	Intake
B.Tech	Electronics & Communication Engineering	30
B.Tech	Computer Science & Engineering	120
B.Tech	Mechanical Engineering	60
B.Tech	Civil Engineering	30
B.Tech	Information Technology	30
BBA	BBA	60
BCA	BCA	60
BBA	Specialization in Business Administration	60
BCA	Specialization in Data Science	60

**Details of PG Courses:**

Name of Course	Branch	Intake
MBA	MBA	60
MCA	Master in Computer Application	60
M.Tech	Computer Science and Engineering	18
M.Tech	Mechanical Engineering	18

**B.S. ANANGPURIA INSTITUTE OF TECHNOLOGY & MANAGEMENT, FARIDABAD**

1.	Name of the Director/ Principal	: Dr. Bhupesh Kumar Singh
2.	Total number of courses offered by the college	: 06
3.	Total number of intake of all courses	: 210
4.	Total student's strength in all courses	: 646
5.	New Courses started by the College during the year	: No
6.	Seats increased/decreased by the College during the year	: No
7.	Any Course discontinued by the College	: Yes

## Details of UG Courses Discontinued

Name of Course	Branch	Intake
B.Tech	Electronics & Communication Engineering	30
B.Tech	Mechanical Engineering	30

## Details of UG Courses Running

Name of Course	Branch	Intake
B.Tech	Computer Science & Engineering	60
B.Tech	Information Technology	30
BBA	BBA	30
BBA	Specialization in Financial Service & Banking	30
BCA	Specialization in Data Science	30

## Details of PG Courses Running

Name of Course	Branch	Intake
MBA	MBA	30

**DELHI COLLEGE OF TECHNOLOGY & MANAGEMENT, PALWAL**

1.	Name of the Director/ Principal	: Dr. Rajeev Kumar
2.	Total number of courses offered by the college	: 11
3.	Total number of intake of all courses	: 474
4.	Total student's strength in all courses	: 505
5.	New Courses started by the College during the year	: No
6.	Seats increased/decreased by the College during the year	: No
7.	Any Course discontinued by the College	: No

**Details of UG Courses Running**

Name of Course	Branch	Intake
B.Tech	Electronics & Communication Engineering	30
B.Tech	Computer Science & Engineering	60
B.Tech	Mechanical Engineering	60
B.Tech	Civil Engineering	30
B.Tech	Computer Science & Engineering (Artificial Intelligence & Machine Learning)	30
BBA	BBA	60
BCA	BCA	60
BBA	Specialization in Digital Marketing	60

**Details of PG Courses Running**

Name of Course	Branch	Intake
MBA	MBA	60
M.Tech	Computer Science & Engineering	12
M.Tech	Mechanical Engineering Design	12

## ECHELON INSTITUTE OF TECHNOLOGY, FARIDABAD

1.	Name of the Director/ Principal	: Prof.(Dr.) Mukesh Kumar Saini
2.	Total number of courses offered by the college	: 14
3.	Total number of intake of all courses	: 864
4.	Total student's strength in all courses	: 1489
5.	New Courses started by the College during the year	: Yes

Name of Course	Branch	Intake
B.Tech	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	60
B.Tech	Computer Science and Engineering (Data Science)	30
MCA	MCA	60
MBA	MBA	60

6.	Seats increased/decreased by the College during the year	: Yes	
Name of Program	Previous Intake	Seats Increased/ Decreased	Total Intake
B.Tech- Electronics & Communication Engineering	60	30	30
B.Tech- Mechanical Engineering	90	30	60
B.Tech-Civil Engineering	60	30	30
7.	Any Course discontinued by the College	: No	

## Details of UG Courses Running

Name of Course	Branch	Intake
B.Tech	Electronics & Communication Engineering	30
B.Tech	Computer Science And Engineering	150
B.Tech	Mechanical Engineering	60
B.Tech	Civil Engineering	30
BBA	BBA	120
BCA	BCA	120
BBA	(Industry Integrated) in Digital Marketing	60
BCA	Specialization in Data Science	60

## Details of PG Courses Running

Name of Course	Branch	Intake
M.Tech	Computer Science & Engineering	12
M.Tech	Mechanical Engineering	12

**NATIONAL POWER TRAINING INSTITUTE, FARIDABAD**

1.	Name of the Director/ Principal	: Dr. Manju
2.	Total number of courses offered by the college	: 01
3.	Total number of intake of all courses	: 120
4.	Total student's strength in all courses	: 20
5.	New Courses started by the College during the year	: No
6.	Seats increased/decreased by the College during the year	: No
7.	Any Course discontinued by the College	: No
8.	Details of UG Courses	: No

Details of PG Courses:

Name of Course	Branch	Intake
MBA	MBA	120

**NGF COLLEGE OF ENGINEERING AND TECHNOLOGY, PALWAL**

1.	Name of the Director/ Principal	: Dr. Sharat Kaushik
2.	Total number of courses offered by the college	: 14
3.	Total number of intake of all courses	: 675
4.	Total student's strength in all courses	: 1007
5.	New Courses started by the College during the year	: Yes

Name of Course	Branch	Intake
BCA	BCA	30

6.	Seats increased/decreased by the College during the year	: Yes
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Name of Program	Previous Intake	Seats Increased/ Decreased	Total Intake
B.Tech- Computer Science& Engineering	90	30	120

7.	Any Course discontinued by the College	: No
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**Details of UG Courses Running**

Name of Course	Branch	Intake
B.Tech	Electronics & Communication Engineering	60
B.Tech	Computer Science & Engineering	120
B.Tech	Mechanical Engineering	90
B.Tech	Civil Engineering	30
B.Tech	Fashion and Apparel Engineering 3	0
BBA	BBA	60
BBA	(Industry Integrated)- Digital Marketing	60
BCA	Specialization in Data Science	60

**Details of PG Courses Running**

Name of Course	Branch	Intake
MBA	MBA	60
M.Tech	Computer Science & Engineering	18
M.Tech	Mechanical Engineering	18
M.Tech	Electronics and Communications Engineering	09

**RAWAL INSTITUTE OF ENGINEERING & TECHNOLOGY, FARIDABAD**

1.	Name of the Director/ Principal	:Dr. Hambeer Singh
2.	Total number of courses offered by the college	: 04
3.	Total number of intake of all courses	: 240
4.	Total student's strength in all courses	: 350
5.	New Courses started by the College during the year	: No
6.	Seats increased/decreased by the College during the year	: No
7.	Any Course discontinued by the College	: No
8.	Details of PG Courses	: Nil

Details of UG Courses Running

Name of Course	Branch	Intake
B.Tech	Electronics & Communication Engineering	30
B.Tech	Computer Science & Engineering	120
B.Tech	Mechanical Engineering	60
B.Tech	Civil Engineering	30

**SATYUG DARSHAN INSTITUTE OF ENGINEERING & TECHNOLOGY, FARIDABAD**

1.	Name of the Director/ Principal	: Prof. Pawan
2.	Total number of courses offered by the college	: 06
3.	Total number of intake of all courses	: 420
4.	Total student's strength in all courses	: 1191
5.	New Courses started by the College during the year	: NIL
6.	Seats increased/decreased by the College during the year	: Yes

Name of Program	Previous Intake	Seats Increased/ Decreased	Total Intake
BCA (Industry Integrated)- Data Science	30	30	60

7.	Any Course discontinued by the College	: No
8.	Details of PG Courses	: Nil

**Details of UG Courses Running**

Name of Course	Branch	Intake
B.Tech	Computer Science and Engineering	120
B.Tech	Mechanical Engineering	30
BBA	BBA	60
BBA	(Industry Integrated) - Financial Services & Banking	120
BBA	Specialization in Digital Marketing	30
BCA	(Industry Integrated)- Data Science	60

## SHRI RAM COLLEGE OF ENGINEERING &amp; MANAGEMENT, PALWAL

1. Name of the Director/ Principal : Prof. S. K. Gupta
2. Total number of courses offered by the college : 14
3. Total number of intake of all courses : 681
4. Total student's strength in all courses : 202
5. New Courses started by the College during the year : Yes

Name of Course	Branch	Intake
MCA	MCA	60
BBA	Digital Marketing	60

6. Seats increased/decreased by the College during the year : Yes

Name of Program	Previous Intake	Seats Increased/ Decreased	Total Intake
B.Tech.- Electronics & Communication Engg.	30	15	15
M.Tech.- Computer Science and Engg/	24	12	12
M.Tech.-Electronics & Communications Engg.	24	12	12
MBA	60	60	120
BCA	60	60	120

7. Any Course discontinued by the College : No

## Details of UG Courses Running

Name of Course	Branch	Intake
B.Tech	Electronics & Communication Engineering	15
B.Tech	Computer Science and Engineering	60
B.Tech	Mechanical Engineering	60
B.Tech	Civil Engineering	30
BBA	BBA	60
BCA	BCA	120

## Details of PG Courses Running

Name of Course	Branch	Intake
MBA	MBA	120
M.Tech	Computer Science & Engineering	12
M.Tech	Mechanical Engineering	24
M.Tech	Electronics and Communications Engineering	12
M.Tech	Transportation Engineering and Management	24

**RAJA JAIT SINGH GOVERNMENT POLYTECHNIC, FARIDABAD**

1.	Name of the Director/ Principal	:Dr. Umesh Dixit
2.	Total number of courses offered by the college	: 03
3.	Total number of intake of all courses	: 180
4.	Total student's strength in all courses	: 31
5.	New Courses started by the College during the year	: No
6.	Seats increased/decreased by the College during the year	: No
7.	Any Course discontinued by the College	: No
8.	Details of PG Courses	: Nil

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**Details of UG Courses Running**

Name of Course	Branch	Intake
B.Voc	Electrical	60
B.Voc	Tool & Die Manufacturing	60
B.Voc	Web Development	60

# **Examination Section**

## EXAMINATION BRANCH

### 1 Staff Details

Name	Designation
Dr. Komal Kumar Bhatia	Controller of Examinations
Dr. Vinod Kumar	Deputy Controller of Examinations
Sh. Sachin Gupta	Deputy Registrar
Sh. Jogender Singh Gaud	Superintendent
Ms. Anuradha	Dy. Superintendent
Sh. Rajiv Sharma	PA to COE
Sh. Shishu Pal	Assistant
Ms. Jyoti Gaur	Assistant
Sh. Jaswant	Assistant
Sh. Mohit Sharma	Assistant
Sh. Raj kumar	Assistant
Ms. Babita Anand	Accountant
Ms. Pragya Rashmi	Clerk
Sh. Parveen Kumar	Clerk
Sh. Mahesh	Clerk
Sh. Chander Shekhar	Clerk
Sh. Shubham	Clerk
Sh. Surender kumar	Daftari
Sh. Raj Kumar	Peon
Sh. Satish Kumar	Peon
Sh. Saurabh	Peon

### 2 The Details of Students Who Appeared and Passed in Various Examinations Held

Course	Program	Year	Sem	Dec-23			Dec-23			Pass %
				Appeared	Passed		Boys	Girls	Total	
				Boys	Girls	Total	Boys	Girls	Total	
B. Tech	Civil Engineering-002	Dec-23	1st	55	12	67	22	6	28	41.8
	Computer Engineering-003	Dec-23	1st	118	26	144	85	20	105	72.9
	Electrical Engineering-007	Dec-23	1st	45	24	69	12	13	25	36.2
	Electronics									

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Communication Engineering-008	Dec-23	1st	52	18	70	14	31	45	64.3
	Information Technology-011	Dec-23	1st	59	14	73	47	14	61	83.6
	Mechanical Engineering-013	Dec-23	1st	113	27	140	46	16	62	44.3
	Electronics & Computer Engineering-015	Dec-23	1st	57	12	69	33	10	43	62.3
	Computer Engineering with Specialization in Data Science-016	Dec-23	1st	54	17	71	38	16	54	76.1
	Electronics Engineering-017	Dec-23	1st	52	16	68	27	9	36	52.9
	Environmental Engineering-019	Dec-23	1st	0	4	4	0	3	3	75.0
	Robotics and Artificial Intelligence-020	Dec-23	1st	28	8	36	14	7	21	58.3
	Computer Engineering Hindi Medium-050	Dec-23	1st	28	7	35	14	4	18	51.4
	Mechanical Engineering Hindi Medium-051	Dec-23	1st	8	1	9	1	0	1	11.1
BBA	BBA -301	Dec-23	1st	24	39	63	11	25	36	57.1
BCA	BCA -311	Dec-23	1st	22	42	64	15	37	52	81.3
B. Sc.	B. Sc. Physics -321	Dec-23	1st	12	19	31	6	12	18	58.1
	B. Sc. Chemistry-322	Dec-23	1st	10	49	59	7	26	33	55.9
	B. Sc. Mathematics-323	Dec-23	1st	13	30	43	1	19	20	46.5
	B. Sc. Animation And Multimedia-324	Dec-23	1st	19	19	38	8	12	20	52.6
	B. Sc. Mathematics and Computing-326	Dec-23	1st	7	4	11	1	1	2	18.2

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
BAJMC	BA Journalism & Mass Communication-351	Dec-23	1st	10	40	50	1	16	17	34.0
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	Dec-23	1st	26	39	65	24	39	63	96.9
BA	BA Bachelor of Social Work-353	Dec-23	1st	11	10	21	1	8	9	42.9
M. Tech	M. Tech. Computer Engineering-502	Dec-23	1st	2	1	3	1	0	1	33.3
	M. Tech. Computer Science & Engineering-504	Dec-23	1st	13	7	20	9	6	15	75.0
	M. Tech. Electronics & Communication Engineering-505	Dec-23	1st	3	1	4	2	1	3	75.0
M. Tech	Energy & Environmental Engineering-520	Dec-23	1st	5	0	5	3	0	3	60.0
M. Tech	Mechanical Engineering Manufacturing and Automation Technology-524	Dec-23	1st	4	0	4	2	0	2	50.0
MCA	MCA -602	Dec-23	1st	31	35	66	28	33	61	92.4
MBA	MBA-701	Dec-23	1st	60	73	133	40	64	104	78.2
MBA	MBA Executive-704	Dec-23	1st	17	5	22	9	4	13	59.1
M. SC.	M. Sc. Chemistry-751	Dec-23	1st	6	47	53	2	25	27	50.9
M. SC.	M. Sc. Physics-752	Dec-23	1st	6	44	50	4	33	37	74.0
M. SC.	M. Sc. Mathematics-753	Dec-23	1st	9	34	43	5	24	29	67.4
M. SC.	M. Sc. Environmental Science-754	Dec-23	1st	2	19	21	0	15	15	71.4
M. SC.	M. Sc. Biotechnology-755	Dec-23	1st	3	19	22	1	9	10	45.5

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
M. SC.	M. Sc. Botany-756	Dec-23	1st	0	19	19	0	3	3	15.8
M. SC.	M. Sc. Zoology-757	Dec-23	1st	1	21	22	0	12	12	54.5
M. SC.	M. Sc. Microbiology-758	Dec-23	1st	4	16	20	2	4	6	30.0
M. SC.	M. Sc. Animation Multimedia-759	Dec-23	1st	7	4	11	6	4	10	90.9
MA	MA Journalism & Mass Communication-771	Dec-23	1st	9	16	25	8	13	21	84.0
MA	MA English-772	Dec-23	1st	1	20	21	1	19	20	95.2
B. Tech	Civil Engineering-002	Dec-23	3rd	38	14	52	14	8	22	42.3
	Computer Engineering-003	Dec-23	3rd	108	45	153	58	22	80	52.3
	Electrical Engineering-007	Dec-23	3rd	46	20	66	2	6	8	12.1
	Electronics & Communication Engineering-008	Dec-23	3rd	54	20	74	18	12	30	40.5
	Information Technology-011	Dec-23	3rd	63	15	78	36	12	48	61.5
	Mechanical Engineering-013	Dec-23	3rd	128	15	143	27	5	32	22.4
	Electronics & Computer Engineering-015	Dec-23	3rd	53	20	73	24	13	37	50.7
	Computer Engineering with Specialization in Data Science-016	Dec-23	3rd	58	17	75	43	17	60	80.0
	Electronics Engineering-017	Dec-23	3rd	44	29	73	9	10	19	26.0
	Environmental Engineering-019	Dec-23	3rd	5	29	34	2	10	12	35.3
	Robotics and Artificial Intelligence-020	Dec-23	3rd	29	5	34	10	2	12	35.3
	Computer Engineering Hindi Medium-050	Dec-23	3rd	24	12	36	4	6	10	27.8

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
BBA	BBA -301	Dec-23	3rd	23	40	63	17	38	55	87.3
BCA	BCA -311	Dec-23	3rd	32	30	62	24	27	51	82.3
B. Sc.	B. Sc. Physics -321	Dec-23	3rd	19	27	46	11	23	34	73.9
	B. Sc. Chemistry-322	Dec-23	3rd	11	44	55	1	32	33	60.0
	B. Sc. Mathematics-323	Dec-23	3rd	18	44	62	4	26	30	48.4
	B. Sc. Animation And Multimedia-324	Dec-23	3rd	20	17	37	10	16	26	70.3
	B. Sc. Life Science-325	Dec-23	3rd	10	32	42	2	11	13	31.0
	B. Sc. Mathematics and Computing-326	Dec-23	3rd	3	6	9	1	4	5	55.6
BAJMC	BA Journalism & Mass Communication-351	Dec-23	3rd	23	26	49	10	21	31	63.3
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	Dec-23	3rd	14	47	61	13	46	59	96.7
BA	BA Bachelor of Social Work-353	Dec-23	3rd	12	5	17	6	5	11	64.7
M. Tech	M. Tech. Computer Science & Engineering-504	Dec-23	3rd	7	6	13	7	6	13	100.0
	M. Tech. Electronics & Communication Engineering-505	Dec-23	3rd	1	3	4	0	2	2	50.0
M. Tech	M. Tech. VLSI Design-511	Dec-23	3rd	1	1	2	1	1	2	100.0
	M. Tech Power Electronics & Drives-518	Dec-23	3rd	2	1	3	1	1	2	66.7
M. Tech	Energy & Environmental Engineering-520	Dec-23	3rd	1	1	2	1	1	2	100.0

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
M. Tech	Mechanical Engineering Manufacturing and Automation Technology-524	Dec-23	3rd	3	1	4	3	1	4	100.0
MCA	MCA -602	Dec-23	3rd	36	26	62	31	22	53	85.5
MBA	MBA-701	Dec-23	3rd	72	63	135	64	60	124	91.9
MBA	MBA Executive-704	Dec-23	3rd	16	8	24	16	8	24	100.0
M. SC.	M. Sc. Chemistry-751	Dec-23	3rd	9	48	57	7	43	50	87.7
M. SC.	M. Sc. Physics-752	Dec-23	3rd	9	40	49	8	33	41	83.7
M. SC.	M. Sc. Mathematics-753	Dec-23	3rd	8	42	50	7	32	39	78.0
M. SC.	M. Sc. Environmental Science-754	Dec-23	3rd	2	21	23	2	21	23	100.0
M. SC.	M. Sc. Biotechnology-755	Dec-23	3rd	1	23	24	1	20	21	87.5
M. SC.	M. Sc. Botany-756	Dec-23	3rd	0	19	19	0	13	13	68.4
M. SC.	M. Sc. Zoology-757	Dec-23	3rd	0	19	19	0	18	18	94.7
M. SC.	M. Sc. Microbiology-758	Dec-23	3rd	17	5	22	14	4	18	81.8
M. SC.	M. Sc. Animation Multimedia-759	Dec-23	3rd	1	3	4	1	3	4	100.0
MA	MA Journalism & Mass Communication-771	Dec-23	3rd	9	12	21	8	12	20	95.2
MA	MA English-772	Dec-23	3rd	3	23	26	3	22	25	96.2
B. Tech	Civil Engineering-002	Dec-23	5th	49	11	60	19	5	24	40.0
	Computer Engineering-003	Dec-23	5th	114	39	153	94	30	124	81.0
	Electrical Engineering-007	Dec-23	5th	49	16	65	33	14	47	72.3
	Electronics & Communication Engineering-008	Dec-23	5th	44	27	71	25	21	46	64.8

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Information Technology-011	Dec-23	5th	56	13	69	42	12	54	78.3
	Mechanical Engineering-013	Dec-23	5th	115	22	137	93	20	113	82.5
	Electronics & Computer Engineering-015	Dec-23	5th	54	16	70	39	13	52	74.3
	Computer Engineering with Specialization in Data Science-016	Dec-23	5th	53	16	69	40	16	56	81.2
	Electronics Engineering-017	Dec-23	5th	50	21	71	32	14	46	64.8
	Environmental Engineering-019	Dec-23	5th	7	6	13	4	4	8	61.5
	Robotics and Artificial Intelligence-020	Dec-23	5th	23	8	31	16	7	23	74.2
	Computer Engineering Hindi Medium-050	Dec-23	5th	15	8	23	6	6	12	52.2
	Mechanical Engineering Hindi Medium-051	Dec-23	5th	6	0	6	3	0	3	50.0
BBA	BBA -301	Dec-23	5th	32	30	62	30	29	59	95.2
BCA	BCA -311	Dec-23	5th	34	33	67	25	28	53	79.1
B. Sc.	B. Sc. Physics -321	Dec-23	5th	22	31	53	17	24	41	77.4
	B. Sc. Chemistry-322	Dec-23	5th	11	49	60	5	30	35	58.3
	B. Sc. Mathematics-323	Dec-23	5th	23	40	63	12	32	44	69.8
	B. Sc. Animation And Multimedia-324	Dec-23	5th	22	18	40	18	15	33	82.5
	B. Sc. Life Science-325	Dec-23	5th	9	44	53	4	37	41	77.4
BAJMC	BA Journalism & Mass Communication-351	Dec-23	5th	22	29	51	12	20	32	62.7

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	Dec-23	5th	21	35	56	21	35	56	100.0
BA	BA Bachelor of Social Work-353	Dec-23	5th	11	12	23	9	12	21	91.3
B. Tech	Civil Engineering-002	Dec-23	7th	54	17	71	45	17	62	87.3
	Computer Engineering-003	Dec-23	7th	124	25	149	122	25	147	98.7
	Electrical Engineering-007	Dec-23	7th	51	18	69	29	16	45	65.2
	Electronics & Communication Engineering-008	Dec-23	7th	54	18	72	47	14	61	84.7
	Information Technology-011	Dec-23	7th	62	13	75	61	13	74	98.7
	Mechanical Engineering-013	Dec-23	7th	115	19	134	82	16	98	73.1
	Electronics & Computer Engineering-015	Dec-23	7th	57	19	76	52	19	71	93.4
	Computer Engineering with Specialization in Data Science-016	Dec-23	7th	53	20	73	49	20	69	94.5
	Electronics Engineering-017	Dec-23	7th	57	19	76	52	19	71	93.4
	B. Tech	Civil Engineering-002	May-24	2nd	51	12	63	8	5	13
Electrical Engineering-007		May-24	2nd	45	23	68	16	16	32	47.1
Electronics & Communication Engineering-008		May-24	2nd	48	18	66	28	15	43	65.2
Information Technology-011		May-24	2nd	58	14	72	48	12	60	83.3
Mechanical Engineering-013		May-24	2nd	110	27	137	52	19	71	51.8
Electronics & Computer Engineering-015		May-24	2nd	56	12	68	33	11	44	64.7

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Computer Engineering with Specialization in Data Science-016	May-24	2nd	53	17	70	35	16	51	72.9
	Electronics Engineering-017	May-24	2nd	56	16	72	23	9	32	44.4
	Environmental Engineering-019	May-24	2nd	0	4	4	0	1	1	25.0
	Robotics and Artificial Intelligence-020	May-24	2nd	27	8	35	12	8	20	57.1
	Computer Engineering Hindi Medium-050	May-24	2nd	27	7	34	11	7	18	52.9
BBA	BBA -301	May-24	2nd	24	38	62	16	34	50	80.6
BCA	BCA -311	May-24	2nd	22	43	65	15	37	52	80.0
B. Sc.	B. Sc. Mathematics-323	May-24	2nd	12	28	40	2	21	23	57.5
	B. Sc. Animation And Multimedia-324	May-24	2nd	19	19	38	8	14	22	57.9
	B. Sc. Mathematics and Computing-326	May-24	2nd	4	4	8	2	1	3	37.5
BAJMC	BA Journalism & Mass Communication-351	May-24	2nd	9	38	47	3	22	25	53.2
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	May-24	2nd		39	39	2	4	6	15.4
M. Tech	M. Tech. Computer Engineering-502	May-24	2nd	2	1	3	0		1	33.3
	M. Tech. Computer Science & Engineering-504	May-24	2nd	11	7	18	8		6	33.3
MCA	MCA -602	May-24	2nd	32	35	67	24	31	55	82.1
MBA	MBA-701	May-24	2nd	59	71	130	48	69	117	90.0
MBA	MBA Executive-704	May-24	2nd	17	5	22	15	4	19	86.4
M. SC.	M. Sc. Physics-752	May-24	2nd	6	43	49	3	36	39	79.6

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %	
M. SC.	M. Sc. Mathematics-753	Sc.	May-24	2nd	9	34	43	4	18	22	51.2
M. SC.	M. Sc. Environmental Science-754	Sc.	May-24	2nd	1	18	19	1	18	19	100.0
M. SC.	M. Sc. Biotechnology-755	Sc.	May-24	2nd	3	19	22	3	15	18	81.8
M. SC.	M. Sc. Botany-756		May-24	2nd	0	18	18	0	8	8	44.4
M. SC.	M. Sc. Zoology-757		May-24	2nd	1	21	22	0	19	19	86.4
M. SC.	M. Sc. Microbiology-758	Sc.	May-24	2nd	4	16	20	1	11	12	60.0
M. SC.	M. Sc. Animation Multimedia-759		May-24	2nd	6	4	10	4	2	6	60.0
MA	MA Journalism & Mass Communication-771		May-24	2nd	9	16	25	7	14	21	84.0
B. Tech	Civil Engineering-002		May-24	4th	38	14	52	37	14	51	98.1
	Computer Engineering-003		May-24	4th	106	45	151	78	38	116	76.8
	Electrical Engineering-007		May-24	4th	43	19	62	12	12	24	38.7
	Electronics & Communication Engineering-008		May-24	4th	54	20	74	22	12	34	45.9
	Information Technology-011		May-24	4th	63	15	78	45	14	59	75.6
	Mechanical Engineering-013		May-24	4th	128	15	143	47	10	57	39.9
	Electronics & Computer Engineering-015		May-24	4th	50	19	69	31	16	47	68.1
	Computer Engineering with Specialization in Data Science-016		May-24	4th	57	17	74	28	14	42	56.8
	Electronics Engineering-017		May-24	4th	39	29	68	9	11	20	29.4

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Environmental Engineering-019	May-24	4th	5	4	9	0	1	1	11.1
	Robotics and Artificial Intelligence-020	May-24	4th	30	5	35	17	2	19	54.3
	Computer Engineering Hindi Medium-050	May-24	4th	24	10	34	11	8	19	55.9
	Mechanical Engineering Hindi Medium-051	May-24	4th	2	0	2	2	0	2	100.0
BBA	BBA -301	May-24	4th	23	40	63	19	38	57	90.5
BCA	BCA -311	May-24	4th	32	30	62	23	26	49	79.0
B. Sc.	B. Sc. Physics -321	May-24	4th	20	26	46	9	20	29	63.0
	B. Sc. Chemistry-322	May-24	4th	10	45	55	1	31	32	58.2
	B. Sc. Mathematics-323	May-24	4th	18	44	62	3	26	29	46.8
	B. Sc. Animation And Multimedia-324	May-24	4th	20	17	37	10	14	24	64.9
	B. Sc. Life Science-325	May-24	4th	10	32	42	4	21	25	59.5
BAJMC	BA Journalism & Mass Communication-351	May-24	4th	18	26	44	9	21	30	68.2
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	May-24	4th	17	47	64	14	47	61	95.3
BA	BA Bachelor of Social Work-353	May-24	4th	10	5	15	5	5	10	66.7
M. Tech.	M. Tech. Computer Science & Engineering-504	May-24	4th	7	6	13	7	6	13	100.0
MCA	MCA -602	May-24	4th	36	26	62	36	20	56	90.3
MBA	MBA-701	May-24	4th	71	63	134	68	62	130	97.0
MBA	MBA Executive-704	May-24	4th	16	8	24	15	8	23	95.8

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
M. SC.	M. Sc. Chemistry-751	May-24	4th	10	48	58	7	45	52	89.7
M. SC.	M. Sc. Physics-752	May-24	4th	9	40	49	8	39	47	95.9
M. SC.	M. Sc. Mathematics-753	May-24	4th	8	42	50	5	32	37	74.0
M. SC.	M. Sc. Environmental Science-754	May-24	4th	2	21	23	2	21	23	100.0
M. SC.	M. Sc. Biotechnology-755	May-24	4th	1	23	24	1	19	20	83.3
M. SC.	M. Sc. Botany-756	May-24	4th	0	19	19	0	19	19	100.0
M. SC.	M. Sc. Zoology-757	May-24	4th	0	19	19	0	19	19	100.0
M. SC.	M. Sc. Microbiology-758	May-24	4th	5	17	22	5	16	21	95.5
M. SC.	M. Sc. Animation Multimedia-759	May-24	4th	1	3	4	1	3	4	100.0
MA	MA English-772	May-24	4th	3	23	26	2	23	25	96.2
	Computer Engineering-003	May-24	6th	114	38	152	105	35	140	92.1
	Electrical Engineering-007	May-24	6th	49	16	65	34	16	50	76.9
	Electronics & Communication Engineering-008	May-24	6th	44	27	71	31	27	58	81.7
	Information Technology-011	May-24	6th	55	13	68	49	12	61	89.7
	Mechanical Engineering-013	May-24	6th	117	22	139	90	17	107	77.0
	Computer Engineering with Specialization in Data Science-016	May-24	6th	52	16	68	48	16	64	94.1
	Electronics Engineering-017	May-24	6th	48	20	68	29	14	43	63.2
	Robotics and Artificial Intelligence-020	May-24	6th	23	8	31	18	7	25	80.6

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Computer Engineering Hindi Medium-050	May-24	6th	15	8	23	10	6	16	69.6
	Mechanical Engineering Hindi Medium-051	May-24	6th	6	0	6	3	0	3	50.0
BBA	BBA -301	May-24	6th	32	30	62	29	30	59	95.2
BCA	BCA -311	May-24	6th	41	35	76	39	33	72	94.7
B. Sc.	B. Sc. Physics -321	May-24	6th	22	31	53	18	27	45	84.9
	B. Sc. Chemistry-322	May-24	6th	11	49	60	9	46	55	91.7
	B. Sc. Mathematics-323	May-24	6th	23	40	63	9	25	34	54.0
	B. Sc. Animation And Multimedia-324	May-24	6th	22	18	40	22	18	40	100.0
	B. Sc. Life Science-325	May-24	6th	9	43	52	5	30	35	67.3
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	May-24	6th	21	35	56	21	35	56	100.0
BA	BA Bachelor of Social Work-353	May-24	6th	10	12	22	10	12	22	100.0
B. Tech	Civil Engineering-002	May-24	8th	54	17	71	54	17	71	100.0
	Computer Engineering-003	May-24	8th	124	25	149	123	25	148	99.3
	Electrical Engineering-007	May-24	8th	51	18	69	49	18	67	97.1
	Electronics & Communication Engineering-008	May-24	8th	54	18	72	53	16	69	95.8
	Information Technology-011	May-24	8th	62	13	75	62	13	75	100.0
	Mechanical Engineering-013	May-24	8th	115	19	134	115	19	134	100.0
	Electronics & Computer Engineering-015	May-24	8th	57	19	76	57	19	76	100.0

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Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Computer Engineering with Specialization in Data Science-016	May-24	8th	53	20	73	53	19	72	98.6
	Electronics Engineering-017	May-24	8th	52	13	65	51	13	64	98.5

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## **Student Activities/Clubs/Council**

## DEAN STUDENT WELFARE

### 1 Introduction

The Student Welfare Cell is highly committed to the excellence of its students in co-curricular activities such as cultural/ Technical and sports. The university has made significant progress in establishing sports facilities in the last decade. Our university students also secured good ranks in various technical, sports and cultural activities organized at state or national-level tournaments.

### 2 Constitution

Sr. No.	Name & Designation	Responsibility
1.	Munish Vashishath Professor, Department of Electronics Engineering	Dean Student Welfare
2.	Pardeep Dimri Professor and Chairperson, Department of Electronics Engineering	Director Cultural Activities and Youth Affairs
3.	Sonia Bansal Professor and Chairperson, Department of Physics	Deputy Dean Student Welfare
4.	Shilpa Sethi Associate Professor, Computer Application	Deputy Dean Student Welfare
5.	Harish Kumar Associate Professor, Department of Computer Engineering	Dean Student Facilities
6.	Krishan Verma Assistant Professor, Department of Mechanical Engineering	Director Social Responsibility Activities

### 3 Details of Clubs, Faculty Coordinators & Student Coordinators

Sr. No.	Club	Faculty Coordinator/ Co-coordinator	Contact No.	J. (Student Coordinator)	Sec.	Contact No.
<b>Cultural Clubs</b>						
1	Tarunnam	Dr. Jyotsana Chawla	9990234880	Shivam		8076687883
				Megha		9289496041
				Tanu		8595636154
				Kushal		9817747251
				Pranjal		9971771819

Sr. No.	Club	Faculty Coordinator/ Co-coordinator	Contact No.	J. (Student Coordinator)	Sec.	Contact No.
<b>Cultural Clubs</b>						
2	Niramayam	Dr. Sachin Gupta, Dr. Jyoti Mor	9896048093 9560150070	Pankaj		9992403563
				Mohan Kumar		9958472243
				Bhumi Singhal		9871061934
				Ankita		7206546140
3	Vividha	Dr. Sangeeta Dhull Ms. Lavita Virmani	9910747602 9050939606	Namita		8950567370
				Ankit bhamla		9306315771
				Karmbir		9817025535
4	Nataraja Western	Dr. Rashmi Popli, Dr. Raveena	9810862658 9999984364	Raghav Shandilya		9650914859
				Sanyam Sethi		7988620685
				Niharika		8700309567
5	Nataraja Haryanvi			Jyoti		9050558673
				Nandani Bhardwaj		9310115470
				Vishnu		7988511435
				Yogita		9582832673
				Abhay Kumar		9467543062
6	Nataraja Bhangra			Rohan		9813136032
				Mehak		9899200910
7	Jhalak	Dr. Umesh	9810794167	Vikas Rohilla		9485989945
				Siddhant		8684964709
				Vibhav		9968291145
				Nakshatra Sharma		8570051907
8	Srijan	Dr. Preeti	9810374948	Mohit Raj		9540946399
				Rahul Bansal		9996566454
				Shubhi Mangla		7428772181
				Yatharth Verma		9971707377
				Paras Verma		9896738045
9	Ethicraft Club	Dr. Kalpana Sheokand Dr. Lalit Mohan Goyal Dr. Anubha Gautam	8920544024 8882212748 9990287227	Prince Rathore		9411002958
				Vijay Kumar		8860392811
				Praduman Singh		8901433085
				Rajat Prajapati		7052245594
				Deepanshu		9728902237

Sr. No.	Club	Faculty Coordinator/ Co-coordinator	Contact No.	J. (Student Coordinator)	Sec.	Contact No.
10	Vivekanand Manch	Prof. Pradip Dimri  Dr. Suraj Goyal	9968433183  9417728292	Jatin		7056213962
				Hari Dhillor		8569965992
				Jaishree		9667018255
				Aniket		8700525190
				Monika		9053149412
				Shubham		7206019193
				Deepika		7015212116
11	Ananya, the Unparalleled	Dr. Ashlesha	9891466310	Dwarkesh		9873051066
				Shruti		7012666613
				Chirag		8076649771
				Arushi Jailkhani		8295249361
12	Vasundhra Club	Eco- Dr. Renuka Gupta	9999692469			
<b>Sports Club</b>						
13	Eklavya Club	Dr. Shailender Gupta  Dr. A. P. Sunda		Prince		9729790482
				Aman		8448857623
				Anjali		8527577486
<b>Technical Clubs</b>						
14	IEEE	Dr. Rashmi Aggarwal Dr. Mamta Kathuria Dr. Lalit Mohan Goyal	9891595209 7015106142 8882212748	Daniyal		7061167802
				Shaurya		9910828531
				Suryansh		9313601084
				Anjali		7295807292
				Narayan		8178375282
				Bhargavi		9416972021
15	Mechnext	Dr. Sanjay Kumar	7838721130	Mohit		9518643781
				Nishant		9625567855
				Vinayak		9625942216
				Krishan		7827419176
16	Microbird	Mr. Mukesh Garg Ms. Poulami Jana	9891553044 9818318345	Ayush Das		9958529389
				Manasvi Gupta		7838758159

Sr. No.	Club	Faculty Coordinator/ Co-coordinator	Contact No.	J. (Student Coordinator)	Sec.	Contact No.
17	Samarpan	Ms. Manju, Ms. Rachna	9891659175, 8585972708	Aditya Pal		8700542504
				Pankaj Sachdeva		9996821094
				Himanshu Dedha		9773819027
				Pulkit Mangla		9971815790
				Suchet Kumar		8929807715
				Chirag Rai		8368621261
18	Manan	Mr. Piyush Gupta	7988088606 9541650297	Sameer Yadav		9650697358
				Anurag Singh		8377826861
				Jayant		9871160346
				Sourav		7206802301
				Chirag		8930479690
				Anshika		7042264754
19	GDSC	Dr. Parul Tomar Dr. Ved Prakash		Himanshi		9070999550
				Ritwik		8569955830
20	SAE BAHA	Dr. Mahesh Chand Dr. Krishan Verma	9711812394	Aanoshangick Roy		8368063463
				Dipansh Baja		9125488812
				Jasika		9518065506
				Yash singla		7982567546
21	SAE IJYA	Dr. Nikhil Dev		Kshitij Kumar		7404309013
				Ankit Bhoria		7404962482
				Sahil Maurya		9818275245
				Abhi krishnan		9315698099
				Saurabh Nain		9315550564
				Bhavya		9991289873
22	SAE SUPRA			Anish Tewatia		9315750247
				Lokesh		9560920754
				Saket Soni		9817405662
				Reeshab Yadav		8377817397
				Shaurya Chaubey		8448140532
		Aaditya Sharma		9467404512		

Sr. No.	Club	Faculty Coordinator/ Co-coordinator	Contact No.	J. (Student Coordinator)	Sec.	Contact No.
<b>CELLS</b>						
23	NSS	Dr. Pradeep Dimri	9968433183	Bhumeer		9667947323
				Aryan Sharma		9582026842
24	YRC	Dr. Navish Kataria	9017125821	Mohit Kumar		9560341224
		Ms. Pooja	7289087736	Twinkle		7011950863
				Gagan		9466667002
				Vishnu		7531919048
				Chirag		7988004579
				Sejal		8529554962

#### 4 Major Activities During the Academic year 2023-24

<b>EVENTS' REPORT INDEX</b>		
Sr. No.	Date of Event	Name of the Event
1	10.07.2023- 13.07.2023	National event SUPRA SAE INDIA 2023
2	19.01.2024- 24.01.24	Formula Bharat 2024
3	28.07.2023	Code Cadet (Manan)
4	15.08.2023	Independence Day 2023
5	25.08.2023- 08.10.2023	CE Deptt. Induction Programme
6	12.09.2023	Expert lecture on Power Electronics in Electric Vehicles
7	04.10.2023	Drama - Dhvani Goonj Aazadi Ki.... by Vividha Club
8	14.10.2023- 17.10.2023	IEEE Day - Canvas Chronicles
9	17.10.2023- 19.10.2023	Intra-Ananya Parliamentary Debate 2023
10	26 .10.2023	Workshop on Various Fields in IT Sector and their Pathways '23
11	17.10.2023	Navratri Dandiya Event
12	31.10.2023	NTPC Speech Competetion
13	2.11.2023	Merchant of Venice Performance Group Dance Performance
14	1.10.2023	108 Surya Namaskar Challenge
15	21.10.2023	1st Faridabad Olympiad Open Yoga Championship
16	15.08.2023	INDEPENDENCE DAY EVENT 2023
17	25.01.2024	Voter's Day 2024
18	26.11.2024	REPUBLIC DAY

EVENTS' REPORT INDEX		
Sr. No.	Date of Event	Name of the Event
19	28.11.2024	PRASTAVNA 3.0 Group Dance performance
20	26.02.2024	Viksit Bharat@2047 Essay Writing Competition
21	09.02.2024	HackThisFall Hackathon (Manan)
22	22.03.2024	Jal Shakti Essay Writing
23	26.04.2024	Anchoring
24	26.04.2024	INSURRECTION 2024 Conventional Debate Competition
25	18.04.2024	Kya Sahi Kya Galat, A Nukkad Natak
26	08.04.2024	Voter Pledge Ceremony
27	23.04.2024	Indian Knowledge System Workshop
28	08.05.2024	Social Service – Bird pots and feeders Setup
29	21.06.2024	International Yoga Day 2024
30	12.02.2024	Aravali Inter College Annual Sports Meet 2024
31	14.01.2024 - 18.01.2024	All India Inter-University Boxing Tournament
32	26.02.2024- 27.2.2024	Inter-State Kabaddi Tournament
33	29.03.2024- 31.03.2024	SANGRAM'24, IIT ROORKEE Sports Fest
34	28.12.2023- 01.01.2024	North/East Zone Inter-University Championship 2023
35	26.12.2023- 28.12.2023	Taekwondo All India University (AIU) 2023

# VIVEKANAND MANCH

## 1 Introduction

Vivekanand Manch is a Socio-Cultural Society of J.C. Bose University of science and technology, YMCA, Faridabad. Many social activities are held regularly like teaching needy, each one feed one, old age home visits, etc. Other activities may include Mission Panchi in which club members placed more than 50 pots in the University campus, and also motivate others to put pots on their terraces. The best to find yourself is to lose yourself in the services of others.

As in cultural activities, we do Zumba and skit. We do Zumba practice on regular basis in order to learn dance and also to keep our body fit and fine. Apart from that, personality development sessions like group discussion, debate competition, extempore is organized on regular basis to improve the personality of club members.

## 2 Constitution

Sr. No.	Name & Designation	Responsibility
1.	Dr. Pradeep Dimri, Professor (Electronics Engg.)	Coordinator
2.	Dr. Suraj Goyal, Assistant Professor (Mathematics)	Co-Coordinator

## 3 Student Members

Sr. No.	Name & Class	Responsibility
1.	Monkia (B.Tech. ECE 4 <sup>th</sup> Year)	Secretary
2.	Deepika (B.Tech. ECE 4 <sup>th</sup> Year)	Secretary
3.	Shubham (B.Tech. E&C 4 <sup>th</sup> Year)	Secretary
4.	Sidharth (B.Tech. ME 4 <sup>th</sup> Year)	Secretary
5.	Nitish (B.Tech. ECE 3 <sup>rd</sup> Year)	Joint Secretary
6.	Veer (B.Tech. EEIoT 3 <sup>rd</sup> Year)	Joint Secretary
7.	Himanshu (BCA.)	Joint Secretary
8.	Tammana (B.Com.)	Joint Secretary

## 4 Events/Activities

Sr. No.	Name of Activity	Date
1	Essay And Slogan Writing Competition on “No Ragging”	16.08.2023
2	Talk show on Meri Mati Mera Desh	18.08.2023
3	Expert lecture on Universal Brotherhood Day	12.09.2023
4	Each one feed one 2.0	14.09.2023
5	Skit on Jagdish Chandra Bashu	16.09.2023
6	Vivekananda Kendra Exam	16.10.2023
7	Nritya Utsav on Haryana Day	02.11.2023
8	YuvaValient 4.0	10.01.2024-12.01.2024
9	Expert Lecture on Hindu Nav Vikram Samvat	10.04.2024
10	Mission Panchi	07.05.2024

# UNNAT BHARAT ABHIYAN

## 1 Introduction

The Ministry of Human Resource Development (MHRD) has launched Unnat Bharat Abhiyan (UBA) with an aim to connect institutions of higher education with local communities to address the development challenges through appropriate technologies.

Unnat Bharat Abhiyan is inspired by the vision of transformational change in rural development processes by leveraging knowledge institutions to help build the architecture of an Inclusive India.

The Mission of Unnat Bharat Abhiyan is to enable higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth. It also aims to create a virtuous cycle between society and an inclusive academic system by providing knowledge and practices for emerging professions and upgrading the capabilities of both the public and the private sectors in responding to the development needs of rural India.

Under this scheme J.C. Bose University of Science and Technology, YMCA Faridabad has adopted 5 villages in Faridabad district. The names of the villages are:-

- Shikarga
- Sahrawak
- Tajpur
- TiloriKhadar
- Rajpurkalan

## 2 Constitution

Sr. No.	Name & Designation	Responsibility
1	Sakshi Kalra, Associate Professor (Electrical Engg.)	UBA Co-ordinator
2	Sheilza Jain, Associate Professor (Electronics Engg.)	Member
3	Bindu Mangla, Associate Professor (Chemistry)	Member
4	Rajni Saggu, Associate Professor (Civil)	Member
5	Bhaskar Nagar, Associate Professor (Mechanical Engg.)	Member
6	Umesh Kumar, Assistant Professor (Computer Engg.)	Member
7	Neha Jain , Assistant Professor (MBA)	Member
8	Rajesh Attri, Assistant Professor (Mechanical Engg.))	Member

## 3 STUDENT MEMBERS

Sr. No.	Name & Class	Responsibility
1.	Monkia (B.Tech. ECE 4 <sup>th</sup> Year)	Secretary
2.	Deepika (B.Tech. ECE 4 <sup>th</sup> Year)	Secretary
3.	Shubham (B.Tech. E&C 4 <sup>th</sup> Year)	Secretary
4.	Sidharth (B.Tech. ME 4 <sup>th</sup> Year)	Secretary
5.	Nitish (B.Tech. ECE 3 <sup>rd</sup> Year)	Joint Secretary
6.	Veer (B.Tech. EEIoT 3 <sup>rd</sup> Year)	Joint Secretary

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7.	Himanshu (BCA.)	Joint Secretary
8.	Tammaana (B.Com.)	Joint Secretary

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#### 4 Events/Activities

Sr. No.	Name of Activity	Date
1.	Participation in Cultural Program on Independence Day	15.08.2023
2.	Five Day Camp in Govt.Middle School, Rajpur Kalan	28.09.2023-04.10.2023
3.	Participation in Cultural Program on Republic Day	26.01.2024

# IEEE YMCA STUDENT BRANCH

## 1 Introduction

IEEE YMCA Student Branch is a dynamic community at the forefront of technological innovation and knowledge sharing. As an integral part of the globally renowned IEEE network, we strive to foster a culture of collaboration, creativity, and excellence among students.

Our operations encompass a wide range of activities designed to enrich the academic and professional lives of our members. From hosting technical workshops and seminars to organizing hackathons and project showcases, we provide diverse opportunities for skill development and networking.

We work on research papers, encourage more students to learn about research work and documentation and be innovative.

Through our initiatives, we aim to empower students to explore their passion for technology, engage in hands-on learning experiences, and contribute meaningfully to the ever-evolving field of engineering and computer science.

## 2 Constitution

Sr. No.	Name & Designation	Responsibility
1.	Rashmi Agrawal, Associate Professor (EE)	Coordinator
2.	Mamta Kathuria, Associate Professor (CE)	Co-Coordinator
3.	Lalit Mohan Goyal, Assistant Professor (CE)	Co-Coordinator

## 3 Events/Activities

Sr. No.	Name of Activity	Number of Participants	Date
1.	IEEE Xplore	250	06.04.2023
2.	JAVA Jam	60	22.06.2023
3.	Figma Fiesta	60	24.06.2023
4.	Game Development	65	26.06.2023
5.	Illustrator Mastery	68	29.06.2023
6.	Python Power Hour	70	01.07.2023
7.	Technoxian World Robotics Championship	30	25.07.2023- 27.07.2023
8.	Digitalization and Basics of Computers for Rural Women and Government School Girls	150	28.08.2023- 04.09.2023
9.	IEEE DAY:		
	i. Pokemon Hunter	600	
	ii. Technerd	206	04.10.2023-
	iii. 3.0 Canvas Chronicles	114	10.10.2023
	iv. Algo-Rhythm	188	
10	Ideacraft	50	16.10.2023

#### 4 Achievements

1. Dinesh & Sumit of our student branch won 1st prize in SERB INAE Hackathon Jadavpur University.
2. Dhruv and Asif of our student branch won third prize at Hareda organized by the Electrical Engineering department of J. C. Bose University of Science and Technology, YMCA, Faridabad, Haryana.
3. Jagriti, Meenu, and Sumit of our student branch won the 2nd prize at Samadhan 2.0 organized by Bits Pilani
4. Daniyal, Asif, and Narayanof our student branch won incubation and mentorship at Samadhan 2.0 organised by Bits Pilani.
5. Anshika and Prerna of our student branch won incubation and mentorship at Samadhan 2.0 organised by Bits Pilani.
6. Shubham Singla of our student branch won the JK PAL award from the IEEE Delhi Section.
7. Bhargavi Sharma of our student branch was awarded with Outstanding Student WIE (Women in Engineering) award by the IEEE Delhi Section.
8. Narayan Pandey of our student branch was also awarded with Outstanding Student award by the IEEE Delhi Section.
9. Daniyal Jawed of our student branch won 3rd prize in CONNEXIONS organized by UCC Ccell.
10. Hemang Bhalla of our student branch won 2nd prize at Prometeo 2024 held at IIT Jodhpur.
11. Also many students of our student branch won various prizes at different competitions organized by various colleges and brought glory to IEEE YMCA.

# Central Facilities

# CENTRAL INFRASTRUCTURAL FACILITIES

## 1 Introduction

The University offers access to three major facilities – Auditorium, Multimedia Centre and Shakuntalam Multi-Purpose Hall to provide venue for numerous seminars, workshops, symposia, guest lectures and other activities. These centrally well equipped facilities with modern amenities like projectors, advance sound system, WiFi facility etc. can accommodate 120 to 500 people. All the facilities are ideal venues for academic, social and general discussions and programmes.

**Total occupancy during the Academic Year 2023-24:**

Averagely 80% during all working days.

## 2 Auditorium

J. C. Bose University of Science and Technology, YMCA, Faridabad has a spacious, majestic, fully air-conditioned auditorium equipped with all modern gadgetry and amenities. It allows the seating capacity of over 300 persons at a time to provide a dynamic space for academic lectures, student performances, cultural events, and community gatherings. The University auditorium has equipped with fixed traditional theatre, style seating, raised stage, adjustable lighting & sound system, large screen for video and computer presentations helpful for students to directly interact with distinguished personalities.

**Occupancy during the Academic Year 2023-24:**

70% during all working days.

## 3 Shakuntalam (Multi-Purpose Hall)

J. C. Bose University of Science and Technology, YMCA, Faridabad has eminent facility of Multi-purpose designed Hall in adherence to ultra-modern and eco-friendly specifications. The Multi-Purpose Hall (Shakuntalam) is equipped with big industrial HVLS fan to conduct any cultural and sports activities within well ventilated covered roof. Moreover, it embraces with the advanced infrastructure useful for conducting indoor sports activities like table tennis, badminton, chess and carom. Shakuntalam also provided with modern facility of sound and lighting system and to carryout wide variety of important activities like cultural functions, symposiums, workshops and farewell gatherings. Regular health check-ups for students, blood donation camp and celebration of Yoga day are also becoming the unique features of this Multi-Purpose Hall.

**Occupancy during the Academic Year 2023-24:**

100% during all working days.

## 4 Multimedia Center (Mmc)

The Multimedia center of the university is equipped with the technologically advanced features of audio and video facility for students and university delegates. MMC is positioned in the middle of the university which plays an essential role to conduct digital seminars, conferences, media workshops and online counseling for under-graduate and post-graduate students. The full furnished MMC facilitates with centre stage and touch screen digital board beneficial for presentations and face to face interactions among students with teachers. The fully air conditioned MMC is one of the important asset of the university with the seating capacity of 120 persons. In addition, it also has the facility of independent cabins helpful for checking of documents at the time of physical counseling and placement sessions by maintaining security and privacy.

**Occupancy during the Academic Year 2023-24:**

About 80% during all working days.

# Placement of Students

## EMPLOYMENT AND TRAINING OFFICE

### 1 Constitution

Sr. No.	Name & Designation	Responsibility
1	Prof. (Dr.) Rajesh Kumar Ahuja	Training and Placement officer
2	Dr. Somvir Bajar	Dy. Training and Placement officer
3	Dr. Sheilza Jain	Dy. Training and Placement officer
4	Dr. Preeti Sethi	ATPO
5	Dr. Rajeev Sindwani	ATPO
6	Dr. Ashima Sharma	ATPO
7	Dr. Shivi Garg	ATPO
8	Dr. Neha Goyal	ATPO
9	Mrs. Seema Sharma	Sr. Stenographer
10	Mr. Sanjeev Kumar	Clerk
11	Mrs. Bitto	Clerk
12	Mr. Yogesh Kr. Tewatia	Clerk

### 2 PLACEMENT RECORD 2023-24:

Branch	Total students (A)	Eligible & Interested students (B)	Total Placement with intern (H/B)	Offer %	Min Package (LPA)	Max. package (LPA)	Average (LPA)
B.Tech CE	149	133	96.24		1.2	47	8.96
B.Tech CE (DS)	73	63	92.06		3	40.37	9.19
B.Tech IT	75	62	114.52		2.5	15.67	7.1
B.Tech ECE	77	45	102.22		4	14	6.76
B.Tech (IOT)	65	46	71.74		2	10	5.88
B.Tech EL	69	46	84.78		3	10	5.92
B.Tech Mech.	134	104	83.65		2.4	8.5	5.9
B.Tech Civil	75	38	39.47		5	5.4	5.16
Total	793	590	89.15				

### 3 STUDENTS PLACED IN MAJOR COMPANIES DURING YEAR

Sr. No.	Name of Company	Pay Package (INR)
1	Adobe	4700000
2	Flipkart	3257000
3	Flipkart	3200000
4	Google	2560000

Sr. No.	Name of Company	Pay Package (INR)
5	Amazon/ google	2556120
6	Cisco India	2473633
7	The Goldman Sachs	2400000
8	Csg International	1800000
9	BNY Mellon	1700000
10	Mellon technology Private ltd	1700000
11	Media .net	1567609
12	Samsung	1550000
13	ION Group Hiring	1410000
14	Omniful Technologies	1400000
15	ION Group	1400000
16	Zenon Analytics Pvt. Ltd	1400000
17	Ciena	1400000
18	Swiggy Bundl Technology Pvt Ltd/ samsung	1200012
19	Sprint Integrated Solutions Private Limited	1200012
20	Bric translational	1080000
21	Yamaha Motor Solutions india Ltd	1034000
22	Sirion	1000000
23	Hiremi	1000000
24	Honda Motorcycle and Scooter India Pvt. Ltd.	870089
25	JSW TalentTech	850000
26	DecisionTree Analytic	850000
27	havells India Ltd	850000
28	Veersa	828000
29	Mittal Software Lab	800000
30	ColleGm	800000
31	Sonar Softech PVT LTD	800000
32	McDermott	750000
33	Carrier Airconditioning & Refrigeration Ltd	750000
34	intellipat software solution pvt.ltd	725000
35	Planetspark	710000
36	Wayspire ED Tech Pvt. Ltd	700000
37	Uolo Edtech Pvt Ltd	700000
38	rupeek fintech pvt ltd	700000
39	Mitsubish Electric India Pvt ltd	700000
40	YogLeads	650000
41	Corizo Edutech	650000

Sr. No.	Name of Company	Pay Package (INR)
42	SMS India Pvt. Ltd	650000
43	Winspark Innvationas Learning Pvt. Ltd	650000
44	Castmaster Industries Pvt Ltd	640000
45	Addverb Technologies Ltd	637000
46	Teachnook	600000
47	1Digital stac	600000
48	Perceptivity	600000
49	Academor	600000
50	Honda Cars India Ltd	600000
51	Trans ACNR Solution Pvt. Ltd	600000
52	Unthinkable Solution LLP	600000
53	Perceptiviti	600000
54	Falcon Autotech Pvt Ltd	600000
55	Sophrosyne Technologies	560000
56	Talent Serve	550000
57	Schneider Electric	550000
58	Denso International India Ltd	550000
59	Spark Minda	550000
60	Tecumseh	550000
61	Investwell	550000
62	Denso Haryana pvt Ltd	550000
63	SMS Group	550000
64	MRG world	550000
65	Algoji Enterprises Pvt Ltd/ SMS	550000
66	SRVA Education	546000
67	Aquagreen Engineering Management pvt ltd	540000
68	Blue Star	525000
69	Alliance Quarries Mines Pvt Ltd	504000
70	Avadna Services Pvt Ltd	500000
71	KPMG	500000
72	Nexon Software Solutions	500000
73	CelebAI Technologies	500000
74	Jakson	500000
75	My Captain	500000
76	Relaxo Footwears	500000
77	Elite Auto Engineers	500000
78	jaro education	498000

Sr. No.	Name of Company	Pay Package (INR)
79	Falcon Autotech	493200
80	Shiv Nadar foundation HCL	480000
81	Accenture	450000
82	Ralycos Crack -ED	450000
83	Wipro / TEAMLEASE SERVICES LIMITED	442908
84	Techsteck Solutions LLP	440000
85	Capgemini india	425000
86	Sonalika Intenational Tractors Ltd	420000
87	MV Electrosystems Ltd	400000
88	Kion India Pvt LTd	400000
89	Greendot Health	360000
90	Star wire india limited	360000
91	Innodata India pvt Ltd TCS	353578
92	Esko Casting And Electronics Private Limited	336877
93	Tech Mahindra Ltd	325000
94	Consensus Industrial Solution/Adwika engineering	300000
95	Mind It Systems/adwika Engg	300000
96	Indoqubix cloudtech	300000
97	Sprint Intergrated Solution PVT. LTD	300000
98	Technocraze computing solution	300000
99	Cdg Inspection Ltd.	288000
100	Escort Kubota Limited /Integrated work force solution	270744
101	Crosslynx Technology Services Pvt. Ltd	250000
102	Newgen Building Systems	240000
103	Iktara Data Sciences Private ltd	200000
104	Shigan Group	200000
105	Gensol Electric Vehicles Private Limited	120000

# **University Cells/Councils**

# INTERNAL QUALITY ASSURANCE CELL (IQAC)

## 1 Introduction

J. C. Bose University of Science and Technology, YMCA, Faridabad, is poised to grow with built-in quality systems in all processes of the University. Maintaining the momentum of quality consciousness is crucial in Universities. Internal Quality Assurance Cell, in fact, was established on 22.09.2015 as per 12th Plan Guidelines of UGC with a grant of Rs. 4,50,000/- as a mechanism to build and ensure a quality culture at the institutional level.

The internal quality assurance mechanism of any institution/university called as “Internal Quality Assurance Cell (IQAC)” is meant for planning, guiding and monitoring Quality Assurance (QA) and Quality Enhancement (QE) activities of the same. National Assessment and Accreditation Council (NAAC) – an autonomous body established by the University Grants Commission (UGC) of India advocates that the IQAC has the potential to become a vehicle for ushering in quality by working out intervention strategies to remove deficiencies and enhance quality.

## 2 Objectives of IQAC

- i. To develop a quality system for conscious, consistent and catalytic programmed action to improve the academic and administrative performance of the University.
- ii. To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

## 3 Functions of IQAC

The prime aim of the University is to see that every student has equal access to competent and qualitative teaching which leads to vibrant academic, social and personal growth on the campus and off the campus.

The functions of the IQAC at the University include:

- i. Development and application of quality benchmarks/parameters for the various academic and administrative activities of the University.
- ii. Facilitating the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- iii. Initiate documentation of the various programs/activities of the University, leading to quality improvement.
- iv. Inculcate a system of transparency and mutual trust among stakeholders.
- v. Sensitization and dissemination of information on the various quality parameters of higher education.
- vi. Preparation of the Annual Quality Assurance Report (AQAR)

## 4 Constitution of IQAC

Current constitution of IQAC was notified on 10.08.2022 and is valid for two years.

Sr. No.	Name	Designation
1.	Vice Chancellor, J. C. Bose UST, YMCA, Faridabad	Chairman
2.	Registrar, J. C. Bose UST, YMCA, Faridabad	Member
3.	Sandeep Grover, Professor, J. C. Bose UST, YMCA, Faridabad	Member
4.	Tilak Raj, Professor, J. C. Bose UST, YMCA, Faridabad	Member
5.	C.K. Nagpal, Professor, J. C. Bose UST, YMCA, Faridabad	Member

6.	Ashutosh Nigam, Professor, J. C. Bose UST, YMCA, Faridabad	Member
7.	Anju Gupta, Professor, J. C. Bose UST, YMCA, Faridabad	Member
8.	Shailender Gupta, Associate Professor, J. C. Bose UST, YMCA, Faridabad	Member
9.	Kakoli Dutt, Associate Professor, J. C. Bose UST, YMCA, Faridabad	Member
10.	Arun Kumar, Assistant Professor, J. C. Bose UST, YMCA, Faridabad	Member
11.	P.N. Bajpai, Librarian. J. C. Bose UST, YMCA, Faridabad	Member
12.	Yogesh (B.Tech. ECE)	Member (Student)
13.	Parveen Goyal (MBA)	Member (Student)
14.	Prachi Solanki (B.Tech. ECE)	Member (Student)
15.	B.K. Punia, Professor, Haryana School of Business, Guru Jambheshwar University of Science and Technology, Hisar (Haryana)	Member (Outside Expert)
16.	Suresh K. Sharma, Professor, Dept. of Statistics, Panjab University, Chandigarh	Member (Outside Expert)
17.	O.P. Thakur, Professor, Director IQAC, Netaji Subhas University of Technology, New Delhi	Member (Outside Expert)
18.	Krishan Kant, Principal, Aggarwal College, Faridabad	Member (Outside Expert)
19.	Rakesh Sethi, Vishwa Prakash Mission	Member (Outside Expert)
20.	Jai Prakash Arora, Alumnus	Member
21.	Sunil Yadav, Alumnus and Industrialist	Member
22.	Ashutosh Dixit, Professor, J. C. Bose UST, YMCA, Faridabad	Director - IQAC (Member Secretary)

## 5 Meetings/Activities of IQAC

Sr. No.	Activities/Meetings	Date of Conduct
1.	Conducted 17th IQAC meeting	23.04.2024
2.	AQAR (2022-23) submitted on NAAC portal	30.04.2024
3.	Verification of score for Promotion under CAS cases	As and when cases were received during the Year
4.	Conduct of Administration and Academic Audit	In Process
5.	Conduct of Feedbacks on curricula and follow-up action	In Process
6.	Conduct of 360-degree feedback through departments	In Process
7.	Conducted ISO certification	05.12.2023
8.	Organized meeting to enhance quality measures in alignment with the updated UGC guidelines.	Monthly
9.	Collaborate with other departments to hold workshops aimed at improving quality standards across various university domains.	Monthly

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10.	Conducted regular session on awareness of CAS guidelines as and when required.	Monthly
11.	Designed CAS proforma for faculty and librarians in accordance with UGC guidelines.	Oct-23
12.	Verification of API score for the promotion of Senior Professors (HAG scale)	Feb-24
13.	Applied for empanelment with National Assessment and Accreditation Council (NAAC) as Data Validation and Verification (DVV) partner in Project consultancy mode.	March, 2023
14.	Deputy Director, Dr. Shailender Gupta attended One-Day Awareness Programme on ORCID and INFLIBNET Services for Scholarly Communities at Dr B.R. Ambedkar University, Delhi.	06.11.2023
15.	Director, Prof. Ashutosh Dixit attended a meeting regarding Implementation of NEP-2020 in affiliated colleges reviewing the centralised admission policy at Takniki Shiksha Saden, Panchkula, Haryana.	09.04.2024

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# ALUMINI AFFAIR CELL

## 1 Introduction

The Alumni Affairs Cell is a dynamic, member-focused organization directed towards connecting, engaging, involving, creating and supporting a network of former graduates who will, in turn, help to raise the profile of the university. The Alumni and Corporate Affairs Cell wishes to garner active support from industries and facilitate their involvement in research, training and placements. This cell also supports various other networks of the university among which the most prominent one is YMCA MOB Alumni Association. The Alumni and Corporate Affairs Cell connects with its alumni through an online portal in which currently 7000+ alumni leaders of the university are linked.

## 2 Constitution

Sr. No.	Name & Designation	Responsibility
1.	Dr. Vikram Singh	Dean
2.	Dr. Shruti Mittal	Coordinator
3.	Mr. Rajdeep	Assistant

## 3 Objectives

- To encourage interactions between students, faculty, alumni and industry by holding lectures, seminars, workshops and conferences.
- To generate a 'Brain-Bank' from amongst its members or experts from outside and provides its services for the benefit of the University, in particular, Alma Mater and the society, in general.
- To publish and distribute various materials relating to the University and its alumni.
- To arrange and conduct meetings of the alumni.
- To assist in the placement of students and to provide scholarships where appropriate.
- To encourage alumni and friends of the University to generously support the University.
- To organize and promote a fund to be known as The University Alumni Fund for the use and benefit of The University and its association.

## 4 Events/Activities

Sr. No.	Name of Activity	Date
1.	Green Initiative for Haryali parv	05.06.2024
2.	Panel Discussion on the theme 'Future of Work: Adapting to Technological Advancements in Developed India'	21.03.2024
3.	YMCAMOB Faridabad Chapter Meet	07.03.2024
4.	Foundation Day Celebration Distinguished Alumni Award Felicitations	16.09.2023
5.	Alumni talk on "Product Management and Associated Careers Prospects"	14.09.2023
6.	Expert Lecture on "Design of Electrical Panels & Related Equipment Through Application of Green Energy"	22.09.2023
7.	Expert lecture on Electric Vehicle Technologies by Mr. Arun Kapur, CEO, JBM green Energy Systems Gurugram	07.08.2023

5 ACADEMIC ACTIVITIES CONDUCTED BY THE CELL (01.07.2023 TO 30.06.2024)



(a) Panel Discussion on the theme 'Future of Work: Adapting to Technological Advancements in Developed India'



(b) Panel Discussion on the theme 'Future of Work: Adapting to Technological Advancements in Developed India'



(c) Haryali Parv



(d) Haryali Parv



(e) Foundation Day of the University



(f) YMCAMOB Faridabad Chapter Meet



(g) Distinguished Alumni Award Felicitation on Foundation Day of the University



(h) Distinguished Alumni Award Felicitation on Foundation Day of the University

## **WOMEN WELFARE CELL**

### **INTERNAL COMPLAINTS COMMITTEE (ICC)**

#### **1 Objectives of Women Cell**

To follow the directives of Hon'ble Supreme Court of India for framing and implementing a policy against sexual harassment of women at work place.

- i. To uphold Women's Right to Gender Equality; Right to life and liberty, Right to protection against to protection against Sexual Harassment.
- ii. To actively and regularly promote a social, physical and psychological environment, both within and outside YMCA, which will raise awareness about and deter acts of sexual harassment of women.
- iii. To uphold the commitment of YMCA to provide an environment free of discrimination and violence against women.

#### **2 Facilities Provided for Gender Equity**

University is having anti sexual harassment committee named ICC (Internal complaint Committee) and this committee under Women Welfare Cell has conducted number of programmes related to Women Empowerment and gender sensitization.

- i. For preventive measures CCTV cameras have been installed at various places in university and hostels. University Boundary is guarded by guards all the times. In the girl's hostels lady guards are present for girl's safety and security.
- ii. A common room is available for girls' students in the University campus with various facilities.
- iii. University has the facility of a day care center for the children of faculty and staff of the University.

#### **3 Brief Activities of Cell**

- i. Regular counselling of girl's students is done time to time for their awareness.
- ii. Debates, group discussions, slogan writing and poster making competitions are being organized on regular basis.
- iii. Expert lectures are being organised on "Women Empowerment" on regular basis.
- iv. Every year Women day is celebrated in university campus. A large number of students participate with enthusiasm.

#### **4 Meetings Held During The Year (01.07 .2023- 30.06.2024)**

<b>Sr. No.</b>	<b>Date of Meeting</b>	<b>Agenda of Meeting</b>
1.	12.07.2023	To Discuss Inquiry report of complainant
2.	23.04.2024	Written statement and witness presented
3.	20.05.2024	Cross examination of the witness
4.	16.07.2024	Examination of witness
5.	03.09.2024	Preparation of of the report, discussion and signature
6.	13.05.2024	Complaint withdrawal by the Complainant

**5 Events/Activities/Achievements During the Year (01.07 .2023- 30.06.2024)**

Date	Activity	No. of Participants	
		Boys	Girls
22.08.2023	Awareness campaign by ICC members during orientation program of newly admitted UG/PG Courses	88	93
21.09.2023	Expert lecture by ICC members during orientation program of newly admitted UG/PG Courses	92	85
22.09.2023	Expert lecture by chairperson during orientation program of newly admitted UG/PG Courses	58	78
27.09.2023	Expert lecture by Chairperson ICC during orientation program of newly admitted UG/PG Courses	89	76
03.11.2023	Poster and Slogan writing competition held in University Girls Hostel	0	48
02.12.2023	Seminar on Personal Hygiene	78	95
14.12.2023	Slogan writing competition on (Sexual Harassment of women at workplace) in university girls Hostel	0	42
05.03.2024	Celebrate International Women's Day	24	198

**6 Constitution of Women Welfare Cell – Internal Complaint Committee**

1. Dr. Neelam Turk, Chairperson
2. Dr. Lakhwinder Singh, Member
3. Dr. Maneesha Garg, Member
4. Dr. Sandhya Dixit, Member
5. Ms. Renu Dagar, Member
6. Ms. Arti Singh, Member
7. Mr. Udai Narain Singh Kushwaha, Member
8. Prof. Promila Pathak, PU Chandigarh
9. Mrs. Sarla, Women representative from NGO
10. Sh. Rakesh Sethi (From VPM)
11. Ms. Bhume Sharma, Student (B.Tech. Electrical)
12. Ms. Yashika Bhadana, Student (BBA)
13. Mr. Dhruv Singhal, Student (B.Tech. Electronics)

# UNIVERSITY COMPUTER CENTRE AND DIGITAL AFFAIRS CELL (UCC & DA)

## 1 Introduction

The rapid advancement of digital technologies has highlighted the critical need to disseminate these innovations throughout society and integrate them into modern education. In response, the University established the University Computer Centre and Digital Affairs Cell (UCCDA) in 2019, consolidating the IT Cell (founded in 2017 to oversee ICT infrastructure and networking) and the Digital Cell (initiated in 2015 to support digital initiatives and a digital learning environment). The UCCDA serves as a centralized resource for digitization, IT management, and networking across the University, aiming to meet the digital needs of all stakeholders, including students, research scholars, faculty, and administrative staff.

The UCCDA plays a pivotal role in driving the University towards digital transformation by maintaining the ICT infrastructure and organizing regular activities, workshops, and events focusing on digital initiatives, such as digital payment missions, DigiLocker services, MOOCs, digital literacy programs, and technical fests.

The Cell has been instrumental in implementing various national digital initiatives, including the National Academic Depository, the Academic Bank of Credits (ABC) scheme, SWAYAM Prabha, SWAYAM MOOCs with credit transfer options, Digital Classrooms, Digital Notice Boards, and lecture capturing facilities. Furthermore, the UCCDA developed the University's admission portal, which streamlines the admission process for the diverse range of courses offered by the institution.

Through these initiatives, the UCCDA has contributed significantly to the University's mission of fostering a robust digital ecosystem that enhances both academic and administrative operations.

## 2 Objectives of the Cell

- i. To strengthen ICT infrastructure including Wi-Fi and wired connectivity
- ii. To support automation of different data processing works of the University
- iii. To act as an advisory unit to the University on matters relating to procurement, usage, and maintenance of computing and network equipment
- iv. To review and monitor the current use of digital resources
- v. To suggest ways and initiatives to improve utilization of digital resources
- vi. To develop dedicated infrastructure in the University to facilitate demonstration of training programmes pertaining to digital technologies and its applications in technical education.
- vii. To promote R&D on emerging Digital Technologies in the University.
- viii. To enhance Digital Learning by using Govt. Platforms like SWAYAM-NPTEL.
- ix. Enhance paper-less working and cashless transactions in the University
  - x. To implement various schemes/facilities provided by UGC/AICTE/other Govt. bodies in the University.
  - xi. To ensure online availability of the all-relevant information through university website
  - xii. To provide training and support to students and the university staff related to various software procured or developed in-house by the University.
- xiii. To spread awareness about and implement various digital initiatives of Govt of India for smooth day-to-day activities

### 3 Constitution

Name	Role	Task(s)
Dr. Shruti Mittal	Director	Overall responsible for activities related to cell.
Prof. Komal Kumar Bhatia	Advisor	To advise about various tasks and initiatives taken by the cell
<b>Technical Advisory–cum-Purchase Committee</b>		
Prof. Atul Mishra	Chairman	The committee is responsible for overseeing the technical specifications, addressing related issues, and managing the procurement process in accordance with the requirements of the various department.
Prof. Manjeet Singh	Member	
Dr. Shruti Mittal	Convenor	
Dr. Amita Arora	Member	
Dr. Manvi	Member	
<b>Swayam Advisory Committee</b>		
Prof. Atul Mishra	Chairman	1. Advising on policies for the development, expansion, and improvement of SWAYAM courses.
Prof. Manjeet Singh	Member	2. SWAYAM Course Selection & Quality Assurance
Prof. Sandhya Dixit	Member	3. Facilitating the SWAYAM courses into university curricula and ensuring smooth credit transfer.
Dr. Shruti Mittal	Member	4. Monitoring & Evaluation
Dr. Shailender Gupta	Member	5. Stakeholder Coordination– Liaising with universities, regulatory bodies (UGC, AICTE, etc.), and content providers (NPTEL, CEC, IGNOU, etc.)
Dr. Sakshi Kalra	Member	6. Suggesting improvements in the SWAYAM course implementation in the university's course curriculum.
Dr. Nisha	Member	7. Awareness & Outreach – Promoting SWAYAM among students, faculty, and institutions for wider adoption.
Dr. Anuj Arya	Member	
Dr. Somvir Bajar	Member	
Dr. Anurag Sunda	Member	
Dr. Manju Kumari	Convenor	
<b>Team- Digital Affairs</b>		
Dr Manju Kumari (EE)	Coordinator,	MOOC enrolments of students for Credit transfer
Dr. Rewa Sharma (CE)	(SPOC	MOOC enrolments of faculty for enhanced learning as per AICTE mandate
Dr. Shivi Garg (CE)	Swayam	SWAYAM-NPTEL Local Chapter
Dr. Ompal Singh (Physics)	NPTEL)	IIRS-ISRO outreach programmes for students/faculty Other online courses except SWAYAM
Dr Lalit Mohan Goyal (CE)	Coordinator	Digital classrooms, Digital Notice Boards, Lecture Capturing System for MOOC development/ online teaching and Virtual Labs
Dr Arun Kumar (Physics)		
Mr. Piyush Gupta (CE)		

Name	Role	Task(s)
Mr. Sachin Gupta	Coordinator	NAD implementation Digi-Lockers for students/staff e-Office implementation
Dr. Deepika Punj (CE)	Nodal Officer (NAD)	
Mr. Ankit Pannu (System Analyst)	Coordinator	Website and Admission Portal ERP and Digital Learning management System (DLMS) Faculty Information Management system (FIMS)
Dr. Poonam Mittal (CE) Dr. Nitin Panwar (ME) Dr. Suraj Goyal (Maths)	Coordinator	SWAYAM Prabha Digital Literacy Programmes Student activities and events Miscellaneous day to day tasks
Mr. Jitender Kr. Yadav (PRO)	Coordinator	Digital media/coverage
Mr. Sanjay Kumar (CE) Mr. Krishan Kumar (CE)	Technical Support Team	Taking care of technical requirements/issues
<b>Team- University Computer Centre</b>		
Mr. Ankit Pannu	System Analyst	Maintenance of Central Computing Facilities University Website, ERP
Mr. Himanshu Singh	Lab- Technician	Different e-Platforms & Data Servers and Hosting
Mr. Jitesh Chawla	Clerk	
<b>IT Team</b>		
Sh. Jitender Taneja Sh. Mohan Singh	HOS (IT) Sr. Instructor	Maintenance of ICT infrastructure in University Campus

#### 4 Contact Details

digitalindiace@jcboseust.ac.in, itcell@jcboseust.ac.in, itcellmca@gmail.com

## 5 Students' Team

Sr. No.	Position	Name
1.	Student Founder Team	Praveen Kumar, Mohit Singwal, Munish Kumar Garg, Yogesh Yadav, Monika Chauhan, Radhika, Riya Yadav, Jyoti, Mandeep Punia
2.	Secretaries	Sameep Sehgal, Tisha Garg, Gandharva Kashyap, Vivek
3.	Joint Secretaries	Srishti, Harshit, Aarav Sehgal
4.	Session Heads	Archit, Lakshita, Rahul, Anushka
5.	Senior Coordinators	Ayushi, Param

## 6 Key Initiatives taken by Cell

1. Development of University's Website
2. Development of University's ERP
3. Development of Admission portal of the university
4. Digital Learning Management System (DLMS)
5. Faculty Information Management System (FIMS)
6. Set-up of COVID-Helpdesk
7. National Academic Depository (NAD) Implementation
8. Nodal Centre for Virtual Labs
9. SWAYAM-NPTEL Local Chapter
10. Setting up SWAYAM-Prabha
11. IIRS-ISRO Outreach Centre
12. Establishment of Digital Classrooms
13. Establishment of Digital Notice Boards
14. Lecture Capturing System (LCS)
15. Implementation of Academic Bank of credits (ABC) scheme

## 7 Activities Conducted by Cell in the Year 2023-2024

Date	Name of Activity	Number of Participants
14.07.2023	Official reunion intro-meet of founder batch and teachers in Shakuntalam hall.	Cell members and pass out batch
11.10.2023- 13.10.2023	Digiweek 2023	1000+ registrations.
February 2024	UCC&DA Auditions: Formation of the new Student Team for session 2023-2024	500+ Students

Date	Name of Activity	Number of Participants
05.03.2024– 06.03.2024	In-house Designing sessions on online zoom platform	Cell members 15 cell members
07.03.2024	In-house Web Development sessions in offline mode	Web development team
08.03.2024	In-house App Development sessions in offline mode	App development team
09.03-2024	In-house Competitive Programming sessions in online mode	Cell members
11.03.2024	In-house Competitive Programming sessions in offline mode	Cell Members
13.03.2024	Cyber-Surakshit Event by Dr. Rakshit Tandon	200+ audience
29.06.2024	UCC&DA announced new position holders in an online meet.	Cell Members.

## 8 Reports of the Activities with Photographs of YEAR

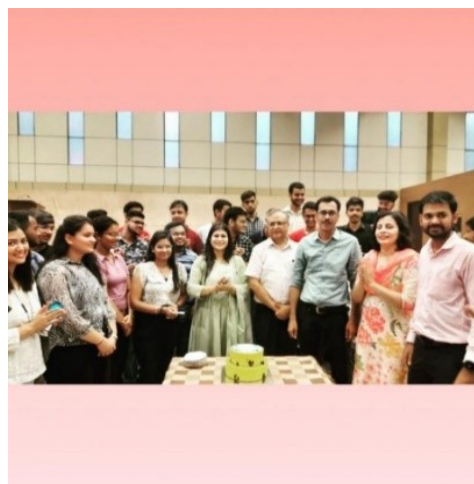
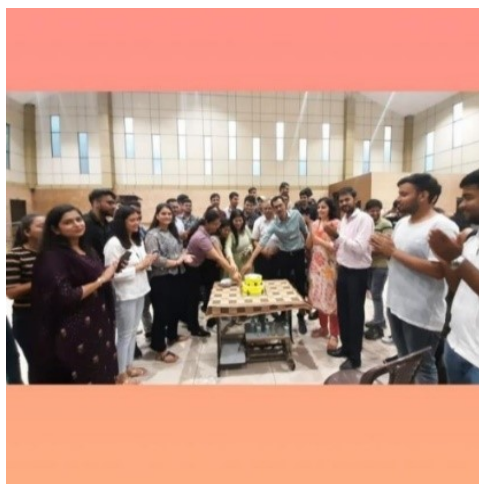
### 1. Official reunion intro-meet of founder batch and teachers.

The Reunion Intro-Meet of the UCC&DA (University Computer Club and Digital Arts) Cell took place on 14.07.2023, bringing together the founding batch of our college cell and the current teaching faculty associated with UCC&DA.

The Reunion Intro-Meet featured the following key activities:

The event began with a warm welcome address by the current head of the UCC&DA Cell, expressing gratitude to the founders and teachers for their contributions. Alumni from the founding batch shared their experiences and insights into the early days of the cell. They spoke about the challenges they faced and the achievements they unlocked during their time in UCC&DA.

Faculty members associated with UCC&DA shared their thoughts on the evolution of the cell and its growth over the years. They also provided guidance to the current students. An interactive session was held where current students had the opportunity to ask questions and seek advice from the founders and teachers. This fostered meaningful discussions and knowledge sharing.



A section was dedicated to showcasing the professional achievements and successes of UCC&DA alumni, inspiring current students to pursue their dreams. The Reunion Intro-Meet yielded several positive outcomes:

- **Enhanced Bond:** The event strengthened the bond between the founders, teachers, and current students, fostering a sense of belonging and unity within the UCC&DA community.

- **Knowledge Sharing:** Founders and teachers shared valuable insights and experiences, motivating and guiding the current students in their academic and professional journeys.
- **Networking:** Current students had the opportunity to network with successful alumni, potentially opening doors for internships and future collaborations.
- **Inspiration:** The achievements of UCC&DA alumni served as a source of inspiration for current students, encouraging them to aim for excellence.

## 2. Digi-week 2023 (11.10.2023 – 13.10.2023)

Digi week 2023, the flagship annual technical event was organized by the University Computer Centre & Digital Affairs (UCC&DA) from 11th October – 13th October. It was a week-long celebration of innovation, creativity, and technical excellence. The event aimed to provide students with a platform to showcase their skills, collaborate on groundbreaking ideas, and engage with industry experts. This year's edition featured a lineup of exciting events, ranging from Contests to gaming and storytelling challenges, concluding with a grand prize distribution ceremony. Events Overview and Winners.

### (a) Mystery Maze

A treasure-hunt-style team event where participants solved riddles and puzzles related to university spots to uncover the spots, testing their analytical thinking and fostering a spirit of team work.

Winners:

- 1<sup>st</sup> Place : Team Disha Mehndiaratta
- 2<sup>nd</sup> Place : Team 4 Directions
- 3<sup>rd</sup> Place : Team Eternity



### (b) CSS Battle

CSS Battle is a fun coding challenge where participants replicate given target designs using only HTML and CSS, aiming for the most accurate and optimized code. It's a test of creativity, precision, and minimalism in front-end development.

Winners:

- 1<sup>st</sup> Place : Saurav
- 2<sup>nd</sup> Place : Raj Singh
- 3<sup>rd</sup> Place : Gaurav



(c) Code to Concept

A coding contest organized in two stages on the platform Hackerearth. This event emphasized logical thinking, coding skills, and creativity.

Winners:

- 1<sup>st</sup> Place : Himanshu
- 2<sup>nd</sup> Place : Tushar Kumar
- 3<sup>rd</sup> Place : Khushi Gupta



(d) Scratch Memory

A memory-based challenge designed to test participants' observational and recall abilities, this event was both engaging and intellectually stimulating. A picture was shown for 20 seconds and questions were asked related to that picture.

Winners:

- 1<sup>st</sup> Place : Tannu Bhardawaj
- 2<sup>nd</sup> Place : Saish
- 3<sup>rd</sup> Place : Harsh



## (e) Battle ground war

An adrenaline-packed gaming event where players competed in intense rounds of BGMI to claim the champion's title. This event attracted enthusiastic gamers from across the campus.

Winners:

- 1<sup>st</sup> Place : Team Harsh

M.V.P – Paradise.

- (f) Tech Talk with Mr. Ankush Singla Tech-Talk 3.0 was organized in the University's auditorium. This year's highlight was an insightful and inspiring tech talk by Mr. Ankush Singla, founder of Coding ninjas and an esteemed expert in the field, who shared valuable knowledge about the latest trends and challenges in technology. The session provided students with a glimpse into the industry's evolving landscape and encouraged them to pursue innovative projects.



## 3. Formation of The New Student Team 2024

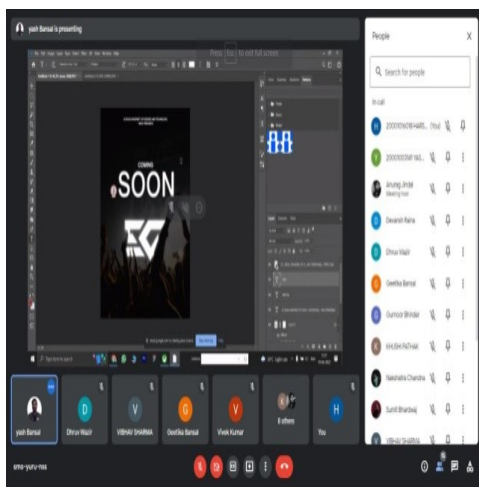
University Computer Centre and Digital Affairs Cell recruited students for the session 2k23-2k24.

#### 4. In-house designing session (05.03.2024-06.03.2024):

The University Computer Centre and Digital Affairs organized an In-house designing session from 05.03.2024 to 06.03.2024 at 8:00 pm and the meet was on zoom platform.

The session was conducted under the guidance of Mr. Harshit along with Team member Sanjog. They took a very interesting session on the basics of Premiere Pro and After effects. Along with that they showed the working of the templates and all shared some of the websites related to stock videos and mobile editing software.

There were around 15 members of the cell and the event took almost 1.5 hours to finish.



#### 5. In-house Web Development Session (07.03.2024)

“Your website is the center of your digital eco-system, like a brick-and-mortar location, the experience matters once a customer enters, just as much as the perception they have of you before they walk through the door”. To up-skill the knowledge of newbies, offline internal sessions on Web Development were organized by Archit and Sumit. The entire web Development team and students from all domains attended the sessions actively.

#### 6. In-house App Development Sessions (08.03.2024)

“The future of mobile is the future of online. It is how people access online content now.”To up-skill the knowledge of newbies,offline internal sessions on App Development were organized by Ayush and Bhumika.

The students were asked to develop a basic app with the logo of the cell as the home screen and other screens containing basic questions about the cell. The entire App Development team and students from all domains attended the sessions actively.

#### 7. Competitive Programming Sessions (09.03.2024 & 11.03.2024)

To up-skill the knowledge of newbies, online and offline internal sessions were organized on Competitive Programming by Paramveer and Sumit on google meet and offline. Topics such as C++ STL, Time Complexity, problem setting, inbuilt functions and binary search etc. were covered.

#### 8. Cyber Surakshit event by Dr. Rakshit Tandon

We had an incredible session on Cyber Security with Dr. Rakshit Tandon, where he shared deep insights into the evolving cyber threat landscape and the importance of digital safety. His expertise and real-world examples made complex security

concepts easy to grasp. From ethical hacking to data privacy, the session was packed with knowledge and practical takeaways. A huge thanks to Dr. Tandon for an engaging and eye-opening session.



# VIGILANCE CELL

## 1 Introduction

The Vigilance Cell has been constituted in the University on 11.04.2022 vide letter no. Estb/misc/859 in compliance of the orders dated 04.04.2022 of the Haryana Govt. It has been constituted to enhance the probity and efficiency of the organisation and to fight against corruption. The information regarding the University Vigilance Cell and helpline number has also been displayed at the prominent places in the University. Vigilance Cell endeavours to foster an environment that instills a sense of integrity amongst the employees of the University. It encourage various activities/programme related to anti-corruption like Celebrating the Vigilance awareness week in the University, to increase the public awareness about the peril of the corruptions. It also conducts sensitization programs for the employees regarding the needs of transparency and integrity in public governance.

**J.C. BOSE UNIVERSITY  
OF SCIENCE AND TECHNOLOGY,  
YMCA, FARIDABAD (HARYANA)**

**NOTICE | सूचना**

**"Do Not Pay Bribe. If anybody of this office asks for bribe or if you have any information on corruption in this office or if you are a victim of corruption in this office you can complain to the Vigilance Cell or Head of this University or the Chief Vigilance Officer / The Superintendent of Police, State Vigilance Bureau, Haryana / Director General, State Vigilance Bureau, Haryana."**

**"कृपया रिश्वत न दें। यदि इस कार्यालय का कोई कर्मचारी रिश्वत की मांग करता है या यदि आपके पास इस कार्यालय में भ्रष्टाचार की कोई जानकारी है या आप इस कार्यालय में भ्रष्टाचार के शिकार हैं तो आप इसकी शिकायत इस विश्वविद्यालय के सतर्कता प्रकोष्ठ या कुलपति, मुख्य सतर्कता अधिकारी या पुलिस अधीक्षक, राज्य सतर्कता ब्यूरो, हरियाणा/महानिदेशक, राज्य सतर्कता ब्यूरो, हरियाणा को कर सकते हैं।"**

**VIGILANCE HELPLINE NUMBER**

<b>UNIVERSITY VIGILANCE CELL</b> Phone : 0129-2310125 Email-ID: vigilance@jcboseust.ac.in	<b>STATE VIGILANCE BUREAU</b> Phone: 0172-2970057 Toll Free Number: (9:00 AM to 5:00 PM All Working Days): 1064 & 1800-180-2022 Whats App No.: +91 94178-91064 Email-ID: svb@hry.nic.in
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## 2 Constitution

Sr. No.	Name of the Memnber	Designation
1.	Prof. Sandeep Grover	Chairman
2.	Prof. Munish Vashishath,	DSW Member
3.	Prof. Neelam Turk, Chairperson-ICC	Member
4.	Prof. Komal Kumar Bhatia	Member
5.	Prof. Atul Mishra	Member
6.	Dr. Sandhya Dixit	Member
7.	Dr. Bindu Mangla	Member
8.	Dr. Pawan Singh Malik	Member
9.	Ms. Renu Dagar, Asst. Law Officer	Member Secretary

E-Mail: vigilance@jcboseust.ac.in

Phone: 0129-2310125

# INTERNATIONAL AFFAIRS CELL

## 1 Introduction

In the age of globalization, J. C. Bose University of Science & Technology, YMCA, Faridabad has set out International Affairs Cell in an effort to make the university a global study destination in the country and promote intensive academic and research collaboration with foreign HEIs. The cell was established in September, 2019 to assist students in acquiring information about the registration, various courses, fee structure, eligibility, visa requirements, accommodations and their overall welfare through a unique single window system.

As per National Education Policy 2020, the various objectives of cell are as follows:

1. To extend all possible help to foreign students to adapt to a new culture environment and make the stay in India comfortable and enriching.
2. To conduct knowledge enrichment sessions for all students, whether domestic or foreign students through international experts.
3. To coordinate all matters related to support foreign students
4. To disseminate information related to the admission process among prospective foreign students.
5. To engage the promotional activities and brand building campaign board.
6. Single point of contact for carrying out all collaboration activities with foreign institutions.
7. Act as a liaison body between the foreign students and sponsoring agency.
8. To address the grievances of foreign students in all matters.
9. Single point of contact for registration with FRRO/e-FRRO.
10. To tie up with study in India scheme by government for providing scholarships to foreign students. Also tie ups with ICCR scholarships schemes for students.
11. To facilitate international academic and research collaboration.
12. To conduct knowledge transfer programs through means of international FDP/STTP.

## 2 Constitution

Sr. No.	Name & Designation	Responsibility
1.	Dr. Mamta Kathuria, Associate Professor (CA)	Director, IAC
2.	Dr. Rajeev Saha, Associate Professor (ME)	Deputy Director, IAC

## 3 Meetings Conducted

Sr. No.	Date of Meeting	Agenda of Meeting
1.	20.06.2023	The meeting was primarily meant to discuss the design and content aspects of the Foreign Admission Brochure prepared by Mr. Sushil.
2.	15.07.2023	The meeting was called to finalize the draft of the brochure design by all the members.
3.	05.07.2023	A meeting for Online Advertisement Towards Admissions of Foreign Students was called. The expression of interest submitted by all interested organizations for the management of online advertisement and admission for foreign students in the university is examined thoroughly in the meeting.

4.	17.07.2023	A meeting after the release of the foreign student's brochure was called to assign the duties like <ol style="list-style-type: none"> <li>i. Check and reply for the enquiries on daily basis received through University in-house admission portal</li> <li>ii. Reply for inquiries on daily basis that will be received on a daily basis on ia official mail id</li> <li>iii. To support in social campaign with PRO and brochure and application form to students.</li> </ol>
5.	20.08.2023	A meeting was called to explore the various Universities in UK, Australia and Germany who can offer scholarships to Indian students, It was decided to draft a message after exploring various opportunities and shared with students.
6.	12.01.2024	A meeting to plan for Budget estimate for financial year 2024-25 was called. The planning and progress on NEP-2020 parameters were also discussed. The planning for organizing experts lectures was also discussed. The planning for initiating MoU(USA, Viswanath) was discussed.
7.	13.04.2024	A Meeting to Start Dual degree program in collaboration with foreign HEIs was scheduled.
8.	01.05.2024	The meeting was primarily meant for discussing the design and content aspects of Foreign Admission Brochure prepared by Mr. Sushil.
9.	29.05.2024	Meeting for Online Advertisement Towards Admissions of Foreign Students was called. The Expression of Interest submitted by all interested organisations towards management of online advertisement and admission for foreign students in the university are examined thoroughly in meeting.

#### 4 Events/Activities

Sr. No.	Name of Activity	Date
1.	Launching online campaign for foreign student admission - release report/ flyer	05.07.2023 & 23.07.2024
2.	Release of EoI for social campaigns	24.05.2024
3.	Conducted expert lecture on "What kind of machines can be accepted by human psychology?"	19.04.2024
4.	An expert lecture on the topic 'Industry 4.0 Technologies for Smart Manufacturing'	20.05.2024

#### 5 Achievements

Successfully registered with Study-In-India Program.

#### 6 Prominent academic activities conducted

Nil

## PUBLIC INFORMATION (RTI) CELL

### 1 Introduction

The Cell act as a nodal point to supply information on the request of applicants received under RTI Act, 2005 and to make coordination amongst other Public Information Officers and supply information to State Information Commission, Haryana, Chandigarh.

### 2 Constitution

Sr. No.	Name & Designation	Responsibility
1.	Dr. C.K. Nagpal, Professor, Department of Computer Engineering	First Appellate Authority
2.	Ms. Renu Dagar, Assistant Law Officer	Assistant Law Officer
3.	Sh. Jitender Singh Yadav, Public Relations Officer	Public Relations Officer

### 3 List of Public Information Officers

Sr. No.	Subject Matter	Department/ Section	Public Information Officer	Name of the Public Information Officer
1	Information relating to University Teaching Departments	Computer Engineering (CE)	PIO-cum- Chairperson of the concerned department	CE: Dr. Atul Mishra (Chairperson) Ph: 0129-2310179
		Computer Application (CA)		CA: Dr. Manjeet Singh (Chairperson) Ph: 0129-2310139
		Liberal Arts and Media Studies (FLAMS)		CMT: Dr. Pawan Singh (Chairperson) Ph: 129-2310179
		Electrical Engineering (EL)		EL: Prof. Anju Gupta, (Chairperson) Ph: 0129-2310191
		Electronics Engineering (EL)		EE: Dr. Pardeep Kumar Dimri (Chairperson) Ph: 0129-2310141
		Mechanical Engineering (ME)		ME: Dr. Arvind Kumar (Chairperson) Ph: 0129-2310123
		Civil Engineering (Civil)		Civil: Dr. Rajni Saggu (Incharge) Ph: 129-2310155
Physics (PHY)		PHY: Prof. Sonia (Chairperson) Ph: 129-2310116		

		Chemistry (CH)		CH: Dr. Ravi Kumar (Incharge) Ph: 0129-2310116
		Environmental Science and Engg. (EVS)		EVS: Dr. Renuka Gupta (Incharge) Ph: 0129-2310116
		Mathematics (Math)		Math: Prof. Neetu Gupta (Chairperson) Ph: 0129- 2310116
		Incharge- Communication and Media Technologies		CMT: Dr. Pawan Singh (Chairperson) Ph: 129- 2310179
		Life Science		Life Science: Dr. Kakoli Dutt (Incharge) Ph: 0129-2310116
		Management Studies (MBA)		Management Studies (Chairperson) Dr. Rachna Aggarwal, Ph: 0129-2310172
		Business Studies		Business Studies (Chairperson), Dr. Manisha Goel, Ph: 0129-2310172
2	Information relating to Examination branches	Examination Section	PIO-cum-Controller of Examination/ Assistant Registrar Examination Branch	Exam: Prof. Komal Kumar Bhatia (COE)/ Dr. Vinod Kumar (Dy. COE) Ph: 0129-2310112, coe@jcboseust.ac.in, arexams@jcboseust.ac.in
3	Information relating to Establishment matters (Teaching and Non- Teaching)	Establishment Section	PIO-cum-Deputy Registrar/ Assistant Registrar (Establishment)	Dr. Meha Sharma (DR-E) Ph: 0129-2310158
4	Information relating to Accounts matters	Accounts Section	PIO-cum-Controller of Finance/Chief Account Officer	Sh. Ravi Kumar Sharma (COF)/Ms. Aashim Alreja (SAO) Ph: 0129-2310154, accounts@jcboseust.ac.in
5	Information relating to Construction/ Maintenance matters	Maintenance/ Construction Section	PIO-cum-SE/SDE	Sh. Ajay Taneja (SE) , Sh. A. K. Sharma, (SDE-Civil), Ph: 0129-2310183/85
6	Information relating to general Academic matters	Academic Section	PIO-cum- Deputy Registrar/ Assistant Registrar Academic section	Mr. Manish Gupta (DR- Academics), Dr. Jyoti Mor (AR-Academics), Ph: 0129- 2310160
7	Information relating to Student Welfare Activities	Office of Dean Student Welfare (Sports/ Cultural/ Technical/ NSS)	PIO-cum-DSW	Prof. Munish Vashishath (DSW) Ph: 0129-2310119

8	Information relating to all hostel matters	Office of Chief Hostel Warden (Boys)	PIO-cum- Chief Hostel Warden (Boys)	Prof. Munish Vashishath (CHW - Boys) Ph: 0129-2310122
9	Information relating to all hostel matters	"Office of Chief Hostel Warden (Girls)"	PIO-cum- Chief Hostel Warden (Girls)	Dr. Sandhya (CHW - Girls) Ph: 129-2310192
10	Information relating to general discipline related matters	Office of proctor	PIO-cum-Proctor	Dr. Lakhwinder Singh (Proctor) Ph: 129-2310122
11	Information relating to Store and Purchase related matters	Office of Head S&P	PIO-cum- Deputy Registrar/ Assistant registrar (S&P)	Sh. Vishal Kumar (AR) Ph: 129-2310164
12	Information relating to Workshop	Office of Workshop Superintendent	PIO-cum- Workshop Superintendent	Dr. Vivek Sharma (WS) Ph: 129-2310121
13	Information relating to Affiliation Branch	Affiliation And Registration Branch	PIO-cum-Dy. Dean/DR	Sh. Manish Gupta (Dy. Registrar) Sh. Gaurav Garg (AR) Ph: 0129-2310182
14	Information relating to Training and Placement office	Employment and Training Office (ETO)	PIO-cum-ETO	Prof. Rajesh Ahuja (ETO) Ph: 129-2310119
15	Information relating to Community College	Principal, Community College	PIO-cum-Principal, Community College	Dr. Sanjeev Goyal (Principal, CCSD) Ph: 129-2310120
16	Information relating to NBA	NBA/UCC & DA	PIO cum Co-ordinator	Dr. Shruti Sharma ( Associate Professor, CE) 0129-2310176
17	Information relating to Library	Library	PIO cum Librarian	Dr. P.N Bajpai (Dy. Librarian) 0129-2310124
18	Information relating to Admission	Admission	PIO cum Director	Dr. Ashutosh Nigam (Director) 0129-2310160
19	All other Offices/Sections/Cells/ New Departments, if Any.	Concerned Head of Office/Section/ Cell/ Department	PIO-cum-Concerned Office Head	Concerned Office/Section/ Cell/ Department Ph: 0129-2310125

#### 4 Details of RTIs / First Appellate / Second Appellate as on 31-06-2023

RTI applications received during July 2023 to June 2024 and disposed off	112
RTI application received by First Appellate Authority and disposed off	11
RTI applications received by Second Appellate Authority and disposed off	01

# LEGAL CELL

## 1 Introduction

The legal cell in the University was established to centralize all the disputes related to the University and ensure timely action.

## 2 Constitution

Sr. No.	Name	Designation
1.	Ms. Renu Dagar	Assistant Law Officer

## 3 The Broad Objectives of the Cell are as follows

- i. To act upon the notices received from various courts.
- ii. To collect the copies of complaints, petitions, from concerned courts.
- iii. To obtain necessary details in the form of parwise comments with relevant documents from the concerned department of the University.
- iv. To obtain the approval of Vice-Chancellor for engagement of Advocate from University Panel for pleading the case before concerned courts.
- v. To prepare written statements, counter affidavits on the complaints and petitioners with the help of University Advocate and ensure its timely submission; before the courts.
- vi. To prepare and file the petitions, Appeal before Appellate Courts on behalf of the University with the help of Advocate against of orders of the lower court.
- vii. To ensure proper and effective plea of all the case pending before various courts viz. District Courts, Labour courts, Consumer Courts, Public Service Tribunals, High Courts and Supreme Court, etc.
- viii. To help in preparation of replies of Legal Notices received by the University.
- ix. To examine and vet the administrative orders, drafts of contracts, Memorandum of Understanding, Agreements for execution.
- x. To provide legal assistance to the Competent Authority as and when required and to assist University administration for maintaining discipline, law and order.

## 4 Status of Cases related to University in Various Courts

Number of cases filed from July 2023 - June 2024:	14
Number of cases decided from July 2023 - June 2024:	04

# University Library

# PT. DEEN DAYAL UPADHYAY CENTRAL LIBRARY

## 1 Introduction

The Central Library of the University has been named after the great Indian thinker and leader Pt. DeendayalUpadhyay. The library is situated at ground floor with air-conditioned facility and well equipped with modern technology like e-library Portal, Remote Access facility, Federated Search, Artificial Intelligence based searching, Mobile App etc. It is fully automated with Web Based Library Management System “KOHA” developed initially in New Zealand by Katipo Communications Ltd. Web OPAC (Online Public Access Catalogue) facility is available to know the availability of books in the library. Library is also equipped with RFID (Radio Frequency Identification) technology. RFID enabled gates are available for security check of documents. Books can be returned round the clock by the users through Book Drop facility. Library is having total collection of more than 89000 books, 35 magazines, 18 daily newspapers and more than 105 print research journals. More than 3300 e-journals are being subscribed from the reputed publishers e.g. Elsevier’s Science Direct, Taylor & Francis, IEEE, Springer Link and Nature to promote the research activities in the University. More than 7300 titles of e-books from McGraw-Hill, Pearson Education, Elsevier, Tritech, CBS and EBSCO are accessible to the users. The library is also the member of DELNET and EShodhSindhu consortia. Nominated Member, Library Committee: Prof. Vikas Turk

## 2 Constitution

Sr. No.	Name	Designation	Qualification	Total Experience (Years)
1.	Dr. P. N. Bajpai	Dy. Librarian	M. Sc.; MLIS, M. Phil, Ph.D.	27
2.	Mr. Satyapal	Personal Assistant	MBA	32
3.	Mrs.Sadhna Bajpai	Library Counter Clerk	B. Sc., M. A., MLIS, M. Phil	21
4.	Mr.Saurabh Dixit	Library Counter Clerk	B. Sc., MLIS	08

## 3 Library Collection

Books in Stock	Newly Added Print Books	Book Bank Books	No. of Print Journals	No. of e-journals	No. of e-books
91255	1709	19341	13219	7335	91255

## 4 Sections of the Library

The library is having following sections:

- i. Acquisition & Technical Section
- ii. Circulation Section
- iii. General Book Section (Stack Area)
- iv. Book Bank Section
- v. Periodical Section
- vi. Reference Section
- vii. Separate Reading Room
- viii. Section for Physically disabled persons

## 5 Services/Facilities Provided by The Library

- i. Circulation (Issue/Return) Service
- ii. Reference Service
- iii. Internet & Access to e-resources
- iv. Online Public Access Catalogue (OPAC)
- v. Reading Facility
- vi. Book Bank facility
- vii. Current Content Service.
- viii. Newspaper clipping service.
- ix. Remote Access Facility
- x. Single Search Facility

## 6 E-Resources

**e-Journals:** Presently library is getting access of more than 13000 e-journals from 30 major international journal publishers

Sr. No.	Name of available journal publishers	No. of journals	Link to access
1	AAAS- Science	1	<a href="https://www.aaas.org/science-journals">https://www.aaas.org/science-journals</a>
2	ACM Digital Library158	158	<a href="http://dl.acm.org/">http://dl.acm.org/</a>
3	American Chemical Society Journals87	87	<a href="http://pubs.acs.org/">http://pubs.acs.org/</a>
4	American Institute of Aeronautics and Astronautics (AIAA) Journals9	9	<a href="http://www.aiaa.org/journals/">http://www.aiaa.org/journals/</a>
5	American Institute of Physics Journals2	28	<a href="http://journals.aip.org/">http://journals.aip.org/</a>
6	American Mathematical Society Journals	9	<a href="http://www.ams.org/journals">http://www.ams.org/journals</a>
7	American Physical Society - ALL15	15	<a href="http://publish.aps.org/browse.html">http://publish.aps.org/browse.html</a>
8	American Society for Microbiology Journals2	25	<a href="https://www.asm.org/index.php/asm-journals">https://www.asm.org/index.php/asm-journals</a>
9	Annual Reviews Journals51	51	<a href="http://arjournals.annualreviews.org">http://arjournals.annualreviews.org</a>
10	ASCE Journals Online36	36	<a href="http://ascelibrary.org/">http://ascelibrary.org/</a>
11	ASME Journals Online35	35	<a href="http://asmedigitalcollection.asme.org/">http://asmedigitalcollection.asme.org/</a>
12	Bentham Science Journals118	118	<a href="http://benthamscience.com/">http://benthamscience.com/</a>
13	BMJ Journals36	36	<a href="https://journals.bmj.com/home">https://journals.bmj.com/home</a>
14	Cambridge University Press Journals2	442	<a href="https://www.cambridge.org/core">https://www.cambridge.org/core</a>
15	Cold Spring Harbor Laboratory Press Journals8	8	<a href="https://www.cshlpress.com/">https://www.cshlpress.com/</a>
16	Elsevier Science Direct Journals2387	2387	<a href="http://www.sciencedirect.com/">http://www.sciencedirect.com/</a>
17	Emerald Publishing Journals311	311	<a href="http://www.emeraldinsight.com/">http://www.emeraldinsight.com/</a>
18	ICE Publishing Journals34	34	<a href="http://www.icevirtuallibrary.com">http://www.icevirtuallibrary.com</a>
19	IEEE Journals210	210	<a href="http://ieeexplore.ieee.org/">http://ieeexplore.ieee.org/</a>
20	IndianJournals.com299	299	<a href="http://indianjournals.com/">http://indianjournals.com/</a>
21	Institute of Physics Journals7	74	<a href="http://iopscience.iop.org/journals">http://iopscience.iop.org/journals</a>

22	Lippincott Williams & Wilkins (Wolters Kluwer) Journals30	305	<a href="https://lww.com/pages/journals.aspx">https://lww.com/pages/journals.aspx</a>
23	Oxford University Press Journals3	375	<a href="https://academic.oup.com/journals/">https://academic.oup.com/journals/</a>
24	Project Muse731	731	<a href="http://muse.jhu.edu/">http://muse.jhu.edu/</a>
25	Sage Publishing Journals988	988	<a href="http://journals.sagepub.com/">http://journals.sagepub.com/</a>
26	SPiE Digital Library11	11	<a href="https://www.spiedigitallibrary.org/">https://www.spiedigitallibrary.org/</a>
27	Springer Nature Journals240	2404	<a href="http://link.springer.com/">http://link.springer.com/</a>
28	Taylor and Francis Journals2548	2548	<a href="http://www.tandfonline.com/">http://www.tandfonline.com/</a>
29	Thieme Journals51	51	<a href="http://www.thieme.com/journals-main">http://www.thieme.com/journals-main</a>
30	Wiley Journals13	1333	<a href="https://onlinelibrary.wiley.com/">https://onlinelibrary.wiley.com/</a>
	<b>Total</b>	<b>13219</b>	

#### e-Books subscribed by the library

- McGraw-Hill e-Books
- Pearson e-Books
- EBSCO e-Books
- Trittech e-Books
- CBS e-Books
- Elsevier e-Books

## 7 E-Library Portal

The University Library prepared e-library portal to provide remote access of e-Resources to its students and faculty members. The e-Library Portal provides a single-window federated search facility for over 6 Lacs e- resources including all subscribed as well as open access contents. It is accessible 24×7 from anywhere. Mobile App for e-Library is also available for Android as well as iOS users. Unique features like Artificial Intelligence based chatbot called ILA and Socio-Lib concept that leads to knowledge discovery from the portal.

## 8 8. Research Publications by Dr. P. N. Bajpai, Deputy Librarian

Published a paper on “Understanding indexation, content policy and challenges of non-SCI/Scopus Journals; A Study with CARE list LIS Journals of India” in *Annals of Library & Information Studies* in December, 2023

## 9 Short Term Course/Conference/ Workshop/ Paper Presentation by Dr. P. N. Bajpai, Deputy Librarian

- i. Attended Short Term Course on “Managerial Skills for Effective Decision Making” organized by NITTTR, Bhopal from 10.06.2024 to 14.06.2024.
- ii. Presented a Paper in 10th International of Fusion of Science & Technology, ISFT-2024 on “Applications of Artificial Intelligence in Academic Libraries” organized by JC Bose University of Science & Technology YMCA Faridabad held on 04.01.2024-08.012024.
- iii. Paper presented on “Mapping a Decade of Research: Insights from JC Bose University of Science & Technology YMCA Faridabad” in 30<sup>th</sup> International Conference on “Recent Advances in Science & Technology towards sustainability (RASTS-24)” jointly organized by International Academy of Physical Sciences and J. C. Bose University of Science & Technology YMCA Faridabad on 28.02.2024-29.02.2024.

- iv. Attended National Webinar on “Intellectual Property Rights & Innovations” organized by National Law University Mumbai & Bombay Science Librarians’ Association on 29.04.2024.
- v. Attended One Day Outreach Programme on “INFLIBNET Services and ORCID for Scholarly Communities” on 06.11.2023.

**10 Events/Activities/Achievements**

- IRINS (Indian Research Information Network) portal was inaugurated on 27.09.2023. The research output of the University, its various departments and faculty member are visible to all on the site.
- Two days “Book Exhibition” was organized on 29.01.2024 & 30.01.2024 in the Shankuntlam Hall of the University.

# **University Works and Development**

## UNIVERSITY WORKS AND DEVELOPMENT

### 1 Introduction

In order to strengthen the academic activities of the University, construction of new buildings for departments, hostels, staff quarters, etc., and development of other infrastructural facilities were taken up during the year under report. The details of which are as follows:

#### Details of Staff

Sr. No.	Name	Designation	Qualification	D.O.J
1.	Ajay Taneja	Superintending Engineer (PHED) presently on deputation in the University.	AMIE in Civil Engg. + Post Diploma in Structural Engg.	03.11.2016
2.	Anil Kumar Sharma	Executive Engineer cum Sub-divisonal Engineer	AMIE in Civil Engg. + M. Tech (Const. Tech. & Mgmt.)	23.12.1994
3.	T.R. Chauhan	Junior Engineer (Civil)	Diploma in Civil Engg.	16.07.2014
4.	O.P. Kaushik	Junior Engineer (Electrical)	Diploma in Electrical Engg.	11.07.2014
5.	Yash Sorot	Junior Engineer (Outsourcing Civil)	B.E in Civil Engg.	On Outsourcing Part-II 20.04.2021

#### Work in Progress (01.07.2023 to 30.06.2024)

Sr. No.	Name of work with Agreement Name	Amt. of A/A (In Lacs)	Scope of work	Date of completion
1.	Fire fighting system in J.C. Bose University of Science & Technology, YMCA Faridabad.	112.16	Installation of fire pipe is under progress.	31.12.2023
2.	Providing and laying of kerb stone and chqueer tile around newly constructed girls hostel J.C. Bose University of Science & Technology, YMCA Faridabad.	7.66	Providing and laying of kerb stone and chqueer tile around newly constructed girls hostel	31.12.2023
3.	Construction of boundary wall for the newly constructed girls hostel J.C. Bose University of Science & Technology, YMCA Faridabad.	8.07	Construction of boundary wall for the newly constructed girls hostel	31.12.2023
4.	Renovation of lab f-10 f-11 and store of life science department J.C. Bose University of Science & Technology, YMCA Faridabad.	2.24	Renovation of lab f-10 f-11 and store of life science department	31.12.2023

Sr. No.	Name of work with Agreement Name	Amt. of A/A (In Lacs)	Scope of work	Date of completion
5	Construction of 5th floor and completion of lower ground, upper ground ,mezzanine and first floor of the Library,MBA and mass communication department building J.C. Bose University of Science & Technology, YMCA Faridabad.	613.08	Construction of 5th floor and completion of lower ground, upper ground ,mezzanine and first floor of the Library ,MBA and mass comm. department building	30.01.2024
6	Construction of additional kitchen washing area in new girls hostel (G+8) in JC Bose University J.C. Bose University of Science & Technology, YMCA Faridabad.	1.01	Construction of additional kitchen washing area in new girls hostel (G+8)	31.12.2023
7	Water supply pipeline fitting of washing machine and tine shed in Sarojini hall ,KC hall and Kasturba hall in girls hostel J.C. Bose University of Science & Technology, YMCA Faridabad.	1.41	Water supply pipeline fitting of washing machine and tine shed in Sarojini hall ,KC hall and Kasturba hall in girls hostel	25.12.2023

#### Works Completed (01.07.2023 to 30.06.2024)

Sr. No.	Name of work with Agreement Name	Amt. of A.A (In Lacs)	Scope of work	Date of completion
1	Construction of Girls Hostel (G+8) and Class-IV staff quarter (G+3) Residence at J.C.Bose University.	2200	Construction of Girls Hostel (G+8) and Class-IV staff quarter (G+3) Residence.	31.06.2023
2	Construction of library, MBA & Mass communication Deptt. Building in J.C. Bose University.	1397	Construction work of library, MBA & Mass communication Deptt.	30.04.2024
3	Water line from Gurgaon canal to main entry tank of J.C. Bose UST, YMCA Faridabad.	73.97	Water line work from Gurgaon canal to main entry tank	31.10.2023
4	Furnishing work for girls hostel rooms of J.C. Bose UST, YMCA Faridabad.	78.5	Furnishing work for girls hostel rooms	20.08.2023
5	Supply, Installation , testing & Commissioning of 2 nos. lifts of girls hostel in J.C. Bose UST	68.98	SITC of 2 Nos. lift	15.07.2023
6	Furnishing work in the canteen mess & Student activity center in the university.	44.72	Furnishing work in the canteen mess & Student activity center	30.06.2023
7	Dismantling & Auction of boys hostel on as is where is basis of the University	48.95/53.25	Dismantling & Auction work of boys hostel	11.05.2024

Sr. No.	Name of work with Agreement Name	Amt. of A.A (In Lacs)	Scope of work	Date of completion
8	Supply of Electrical Cable from Sub-station to the newly constructed girls Hostel & further upto class- IV residence of the University.	9.18	Electrical Cable from Sub-station to the newly constructed girls Hostel & further upto class-IV residence	19.07.2023
9	Whitewashing & Painting work in J C Bose University	4.41	Whitewashing & Painting work	24.08.2023
10	Erection of aluminium partition work in DSW office at newly constructed Canteen mess building of the university.	4.29	aluminium partition work	24.07.2023
11	Erection of Aluminum Partition work for setting-up of the offices of Affiliation Branch, CHW Branch and NCC Branch at 4th floor in newly constructed Canteen Mess Building of the University	3.74	Aluminum Partition work for setting-up of the offices of Affiliation Branch, CHW Branch and NCC Branch	27.07.2023
12	Caretaker Room at VC Camp office of the J.C. Bose UST, YMCA Faridabad.	2.66	Const. of Caretaker Room at VC Camp office	10.06.2023
13	Furnishing Work of the Dean Academic office of J.C. Bose UST, YMCA Faridabad.	2.27	Furnishing Work of the Dean Academic office	25.06.2023
14	Dismantling of tile terracing, Water Proofing and relaying of tiles of MBA Block, Auditorium Roof Top of J.C. Bose UST, YMCA Faridabad.	4.74	Dismantling of tile terracing work Water Proofing and relaying of tiles of MBA Block, Auditorium Roof Top	12.06.2023
15	Carpet tiles & Glass Work im Science Block of J.C. Bose UST, YMCA Faridabad.	2.72	Carpet tiles & Glass Work im Science Block	25.08.2023
16	Electrical Panel room in J.C. Bose UST, YMCA Faridabad.	1.28	Const. of Electrical Panel room	26.09.2023
17	Renovation/Up-gradation work of corridor gate assessable to Purchase Deptt. plinth protection around UG Tank etc. J.C. Bose UST, YMCA Faridabad.	1.23	Renovation/Up-gradation work of corridor gate assessable to Purchase Deptt. plinth protection around UG Tank etc.	26.09.2023
18	Providing of Plywood for old MS Frame bed for new girls hostel J.C. Bose UST, YMCA Faridabad.	2.01	Providing of Plywood for old MS Frame bed for new girls hostel	01.10.2023
19	Dismantling of tile terracing, water proofing & relaying of tile of Girls hostel wings ( kasturba Gandhi, mother Teresa sarojni, kalpana chawla) of J.C. Bose UST, YMCA Faridabad.	6.91	Dismantling of tile terracing, water proofing & relaying of tile of Girls hostel wings ( kasturba Gandhi, mother Teresa sarojni, kalpana chawla)	08.02.2024

Sr. No.	Name of work with Agreement Name	Amt. of A.A (In Lacs)	Scope of work	Date of completion
20	Furnishing work in conference room at first floor of science block of	1.88	Furnishing work in conference room	03.01.2024
21	Erection of aluminium partition work for setting up of the chemistry research lab in room number 903 in CV Raman science block building J.C. Bose UST, YMCA Faridabad.	1.7	aluminium partition work	10.01.2024
22	Electrical and networking work in computer lab in community college of skill and development in J.C. Bose UST, YMCA Faridabad.	2.52	Electrical and networking work in computer lab in community college	05.01.2024
23	Partition work in microwave sensor research lab in department of electronics Engineering, J.C. Bose UST, YMCA Faridabad.	1.24	Partition work in microwave sensor research lab in department of electronics Engineering	27.02.2024

# University Health Centre

# UNIVERSITY HEALTH CENTRE

## 1 Introduction

The University Health Centre, located within the campus, at a close distance from the academic and hostel blocks. It has been upgraded into a fully air-conditioned Health Centre having one regular doctor, one nurse, one pharmacist, one Assistant and one Helper/Attendant (HRKNL) University Health Centre organizes multiple Health Check up and OPD's. Further up gradation of the apex research mainly for diabetic medicines for patients and rational use of antibiotics were has been done by Dr. Ankur Sharma, Medical Officer and his team for the enthusiast in improvement of the patient life style among other research efforts several blood donation camps collaborated with Bharat Vikas Parishad as well as red cross society. University Health Centre is having MOU with Metro Hospital and Marengo Asia QRG Hospital Sector-16 Faridabad in which regular employees and their dependents are getting cashless treatment as per package and Hospital is also providing services of psychology as when needed for faculty, staff Members and stakeholders of the University. A well-organized sports medicines/orthopedic consultant visit the University especially for the sports person. Emphasis was laid by Health Centre mainly for the implementation of the students. The health department is actively pursuing the proposals for establishing well equipped X-Ray centre for the stakeholders in need of emergency basis. A Proposal for up gradation of lab has also been discussed with the competent Authority. The average yearly out-door patients are about 10265 which include patients who come during odd hours.

The team of qualified doctors is always available for students. In case of emergency, the student is immediately transported to the hospital via University ambulance which is provided free of cost to the students. Computerized ECG, Laboratory investigation facilities with Hematology Analyzer and Biochemistry Analyzer have also been provided.

### **The following facilities are available in the health Centre:**

- i. First Aid Facility in case of minor injury.
- ii. Blood Pressure and Temperature measurement.
- iii. Blood Sugar by Glucometer.
- iv. Physicians Consultations.
- v. Oxygen Concentrator.
- vi. Nebulizer Facility.
- vii. Weight and Height Measurement.
- viii. Wheel chair facility for Handicapped.
- ix. Visiting Doctor Facility
- x. Super Specialty Health Camp.

### **The following investigations are carried out in Health Centre-:**

- i. CBC
- ii. Blood Sugar
- iii. MP by Card Method
- iv. Typhi Dot
- v. LFT
- vi. KFT
- vii. Lipid Profile
- viii. Blood Group
- ix. Widal
- x. ECG

## 2 Details of Staff

Sr. No.	Name	Designation	D.O.J.
1.	Ankur Sharma	Medical officer	08.02.2017
2.	Ankur Bhushan Goyal	Dispenser (Regular)	06.06.2012
3.	Sarita Jain	Nurse (Regular)	05.08.2014
4.	Sanjay Mishra	Assistant (Regular)	07.08.2006
5.	Shiv Kumar	Ambulance Driver (HRKNL)	13.07.2017
6.	Mahesh Chand	Peon (HRKNL)	20.01.2020

## 3 Details of Activities/Events/Camps organized

Sr. No	Newly Added Print Books	Name of the Event	No. of Beneficiaries
1.	Free Gynecology and Hemoglobin Check-up Camp along with Blood pressure, Blood Sugar Monitoring and ECG by Dr. Suraj Prakash Arogya Kendra Sector-8 in collaboration with JCBUST, YMCA Faridabad	02.02.2023	200-250 Approx
2.	Free Cardiac and Psychiatric Consultation Camp along with Blood pressure, Blood Sugar Monitoring and ECG by QRG Hospital Sector-16, in collaboration with JCBUST, YMCA Faridabad	29.03.2023	150-200 Approx
3.	Free Cardiac Health Camp along with Blood pressure, Blood Sugar Monitoring and ECG by Sarvodaya Hospital Sector-8, in collaboration with JCBUST, YMCA Faridabad	26.04.2023	150-200
4.	Free Internal Medicine and Dietician Camp along with Blood pressure, Blood Sugar Monitoring and ECG by SSB Hospital in collaboration with JCBUST, YMCA Faridabad	26.05.2023	200-250
5.	Free Internal Medicine and Dietician Camp and Hemoglobin Check up Camp along with Blood pressure, Blood Sugar Monitoring and ECG by Asian Fidelis Hospital in collaboration with JCBUST, YMCA Faridabad	03.08.2023	200-250
6.	Free Physician and Gynecologist Check-up Camp along with Blood pressure, Blood Sugar Monitoring and ECG by Metro Hospital Sector-16, in collaboration with JCBUST, YMCA Faridabad	23.08.2023	200-250
7.	Free Cardiologist and General Physician Check up Camp along with Blood pressure, Blood Sugar Monitoring and ECG by Sarvodaya Hospital Sector-8 in collaboration with JCBUST, YMCA Faridabad	27.09.2023	200-250
8.	Free Cardiologist and General Physician Check up Camp along with Blood pressure, Blood Sugar Monitoring and ECG by Metro Hospital Sector-16 in collaboration with JCBUST, YMCA Faridabad	13.10.2023	150-200
9.	Free Internal Medicine, Cardiologist, General Physician and orthopedic Checkup Camp along with Blood pressure, Blood Sugar Monitoring and ECG by Accord Hospital Sector-88 in collaboration with JCBUST, YMCA Faridabad	25.07.2024	200-250

10	Health Talk on Health awareness cum life style modification along with Tree Plantation	02.08.2024	200-250
11	Free Cardiologist, General Physician and orthopedic Check up Camp along with Blood pressure, Blood Sugar Monitoring and ECG by Metro Hospital Sector-16 in collaboration with JCBUST, YMCA Faridabad	16.10.2024	150-200
12	Talk on "Psychological Impact of Substance Abuse" where she discussed the mental health challenges posed by addiction, including depression, anxiety, and suicidal tendencies by Civil Hospital in collaboration with JCBUST, YMCA Faridabad.	16.10.2024	150-200

#### 4 MoU'S

- A Memorandum of understanding is made between J C Bose University of Science and Technology Faridabad Haryana and Dr Suraj Prakash Arogya Kendra, Faridabad Sector-8 Faridabad on 26.01.2023. Both have come together intending to provide all day care and diagnostic facilities at the most affordable cost to the employees and students of the University.
- A Memorandum of understanding is made between J C Bose University of Science and Technology Faridabad Haryana and Metro Heart Institute with Multispecialty, Sector-16 Faridabad on 26.09.2023. Both have come together intending to cashless treatment in IPD and discount in OPD services for the regular employees of the University.

# University Hostel

# GIRLS' HOSTEL

## 1 Introduction

The Girls' Hostel has five wings. The table below gives details regarding the name of the wings, the strength of the students in each wing and the name of their wardens.

## 2 Constitution

Sr. No.	Name & Designation	Responsibility
1.	Dr. Anuradha Pillai	Chief Hostel Warden
2.	Dr. Kakoli Dutt	Additional Chief Hostel Warden

The Girls' Hostel has five wings. The table below gives details regarding the name of the wings, the strength of the students in each wing and the name of their wardens.

Sr. No.	Name of the Hostel	Capacity	Name of the Warden
1.	Mother Teresa Wing	88	Dr. Shruti Mittal
2.	Kalpana Chawla Wing	112	Dr. Shefali Trivedi
3.	Sarojini Wing	79	Dr. Kalpana Shoekand
4.	Kasturba Wing	81	Dr. Pooja Gupta
5.	A.Lalitha Girls' Hostel	243	Dr. Shruti Mittal

In addition, there is a dedicated staff of 14 members who cater to the needs of the girls 24×7. The staff includes a resident attendant, matron, peon, lady guards, sweepers, data entry operator.

The University provides Hostel accommodation to the undergraduate, post graduate and Ph.D. students from all the streams (Engineering, Management and Humanities). The allotment is done on first come, first serve basis with preference given to the students who come from beyond 60 kms radial distance.

The Hostel provides some of the most remarkable facilities to its students as listed below:

- i. **Mess Facility:** The hostel mess which is run on contract basis, provides hygienic food and water with clean utensils and proper furniture for the girls to dine. Police verification and medical check-up of the mess workers is done to ensure the safety and health of the students. Periodic inspection is done by the wardens and student representatives to maintain the standards and quality of the food items. Facility of shift canteen is also provided to the girls at the time of exams.
- ii. Well ventilated and capacious rooms.
- iii. Reading room with desktops, Common room with LED TV, Gymnasium with music system, Guest room and Visitor room.
- iv. 24×7 RO water supply and water tank clean regularly.
- v. First aid and 24×7 Ambulance facilities.
- vi. Fire extinguisher in each wing.
- vii. Badminton and Basketball courts.
- viii. Sports and Recreational Facilities

- ix. CCTV surveillance. More cameras are added in year 2018-19
- x. Biometric Attendance System, manually attendance and daily entry record
- xi. Sanitary Napkin Vending Machines and Incinerators in all the wings.
- xii. Geysers
- xiii. Induction Cook Tops and grilled sandwich makers.
- xiv. Newspapers and Magazines supply
- xv. Wi-Fi
- xvi. Soft water tank has been constructed in year 2018-19 to provide soft water to the girls
- xvii. Apart from all the facilities mentioned above pest control and fumigation/spray for protection from rats and mosquitoes is done on regular basis.
- xviii. Expert lectures are organized to create awareness amongst the girls to maintain hygiene and cleanliness.
- xix. Self Defense, Anti Ragging, Anti drugs, Career counseling and Yoga classes are also organized time to time.
- xx. The hostel administration organizes a hostel fresher night party every year to welcome its new students which let the students mingle with each other to make the hostel atmosphere amicable and friendly.
- xxi. Strict rules have been formulated to maintain discipline and hygiene in the hostel premises though prohibition of ragging is the major concern of the authorities. The students are expected to strictly adhere to the hostel entry and exit timings.
- xxii. Feedback registers, Complaint registers and suggestion box are maintained to address the grievances of the students.

### 3 Event Organized in Hostel

- i. Ganesh Chaturthi festival was organized on 19.09.2023 in Girls' Hostel. Ganesh idol was installed for 10 days in Girls' Hostel. Ganesh ji's was worshipped and aarti was done on this auspicious occasion. Prasad was also distributed. Residents of Girls' Hostel & staff participated in the festival with full of excitement.



- ii. A fresher party was organized on 28.10.2023 by the Hostel Authorities to welcome the First year students in Girls' Hostel. Talent Hunt & Dance Competition was done for first year students. First year students participated in the competition. Residents of Girls' Hostel were full of excitement & the all enjoyed the party. Special dinner was also served to the residents of Girls' Hostel in Girls' Hostel Mess. They enjoyed the meal also.



iii. “Poster & Slogan Writing Competition” was organized on the occasion of “Vigilance Awareness week” on 03.11.2023 in Girls’ Hostel with collaboration with Women Cell/ ICC to promote Public Awareness and aim for a Corruption free India. The prize money for the winners of competition was as follow:

- First Prize : Rs. 1500/-
- Second Prize : Rs. 1000/-
- Third Prize : Rs. 800/-

The students of Girls’ Hostel participated in the competition with full excitement & the enjoyed a lot.



- iv. “Seminar on personal hygiene” was organized on 02.12.2023 in Girls’ Hostel with collaboration with Women Cell/ ICC to promote awareness on personal hygiene. The students of Girls’ Hostel attended the seminar with excitement to learn about personal hygiene.



# Best Practices

# ACADEMIC AND ADMINISTRATIVE AUDIT

## Objectives of the Practice

The objective of the Academic and Administrative Audit is to assess the performance of the university academic Departments/Offices/Cells and highlight their accomplishments and convey suggestions, if any, so that they can improve further in terms of the quality of their work domain i.e. teaching, research, administration, and maintenance of records along with curricular and extra-curricular activities. The visiting committee members for AAA are supposed to give their suggestions on the various points such as faculty and staff, infrastructural facilities, curricular development, research facilities and research output, teaching methods and use of ICT in academic process, feedback mechanism, faculty development programmes, SWOT analysis, mentoring system, generation of funds and their optimum utilization, evaluation methods adopted for internal and external examinations and Future plans of the department.

## Context

The practice of Academic and Administrative Audit was started in order to address whether;

- i The arrangements for quality assurance are fit for purpose and conform to the institution's role and mission.
- ii The standards of higher education align with the expectations.
- iii The students have access to appropriate learning opportunities through taught provision, private study and supported learning.
- iv The department are able to promote and enhance high quality teaching and learning.
- v The students are fully supported in their academic and personal development to their highest possible levels.
- vi The planning, resource allocation and quality management is in line with vision and mission of the University.
- vii The implementation of various policies has been done.
- viii The academic calendar of the University is adhered with in terms of timelines.
- ix The offices and other cells are keeping the records and readily retrievable preferably in hard/soft form or through Enterprise Resource portal (ERP).
- x The file movement in various (academic departments and administrative offices) is taking place in timely manner.

## The Practice

## Methodology

The academic departments administrative offices/cells are expected to submit the necessary information in the format provided by the IQAC of the university. The format is prepared in such a way that it includes all the possible information as required by criteria of NAAC. For example, the required information includes the achievements, curricular, co-curricular activities and extra-curricular activities carried out, participation of students in various activities and their achievements and participation of teachers in national and international conferences, seminars and workshops. The funds generated by the faculty and the department, the purpose and the names of the funding agencies and duration of the project. It also includes individual faculty profile indicating their contribution in teaching, research and extension activities and their achievements, awards and prizes received. It is advised to all the departments that supporting data regarding all the claims made by the department and individuals should also be kept ready in the departments. The departments are advised to keep all the data such as Feedback forms collected from students

and other stakeholders on curricular developments, infrastructural facilities and performance of teachers for validation of the committee. Further, the information about consultancy services, collaborations with other reputed universities and institutions, placement records, students admitted and their results in final examinations, mentoring system and financial support provided to students etc. should also be readily available during the visit of AAA committee visit.

### **Visit of AAA Expert Team**

The AAA committee visits the academic and administrative units of the university as per the visit schedule. The detailed visit schedule is informed well in time to all the departments and administrative sections. During the visit to the departments Chairpersons and Head of Sections have the choice to make a brief presentation about the department on all aspects to the AAA committee and/or provide them the details as per format of information already provided to departments. The committee may interact with teaching and non-teaching staff and may observe the infrastructural and academic/research facilities available in the department. The faculty members usually interact individually with the committee and brief them about the innovative methods adopted in teaching and research and efforts taken for improving the quality. The faculty can also impress up on how their department is different than similar departments in other universities. The committee may also interact with the students to have suggestions from them regarding infrastructural facilities available, performance of teachers, evaluation methods adopted and teaching learning process. Although University has a separate feedback mechanism from students for classroom teaching learning process during mid of each semester.

It is expected that all the departments, administrative offices and cells submit the information in the format for providing Departmental information and for Faculty Profile enclosed here with to IQAC office before in the month of July of each year so that the visit of AAA committee could be arranged in the month of August/September.

### **Evidence of Success**

The academic audit of the teachers of various departments of the university is in practice since the year 2016. Academic audit is done after the end of every semester by a committee duly approved by the Vice Chancellor and consists of the Chairperson of the department and at least one senior faculty member of another department of the university as an external expert. At the time of start of this practice, it was observed that the faculty members were publishing the papers in poor quality journals. In fact the research paper publications especially the numbers of research papers in Scopus, SCI and Web of Science journals were not significant. As a result of this audit, faculty members were encouraged to contribute in this regard and numbers increased year by year since then. Teachers were also encouraged to use ICT tools for conducting their classes.

A fully indigenous online ERP portal was also created at the university level for better record keeping in terms of individual faculty members' activities/achievements and the departmental activities as well.

In the year 2018-19, audit was carried out for the administrative offices also along with the academic audit. The committee for this audit consisted of External experts and senior faculty members of the university. On the basis of observations made by the committee, suggestions were conveyed to the respective office heads who responded the same by taking appropriate actions thus improving the working of their respective offices. The ATRs were submitted to IQAC later on and were placed and approved in EC.

### **Problems Encountered and Resources Required**

One of the many problems faced during the conduct of the academic and administrative audit was the compilation of data due to its timely unavailability to the IQAC office. It was also felt by the committee that even various activities are being done in the academic departments and administrative offices but they are not being recorded as per the guideline of the various accreditation bodies whether it is NAAC or NBA. For regular and smooth conduct of AAA in the university, timely updation of activities conducted in various departments and offices is also needed on the ERP portal.

The University has a number of academic departments and administrative offices so all the academic departments could not be covered during the AAA in the year 2019. It was difficult to take time from the outside experts and schedule the visit. Sometimes even after scheduling the time the committee members were not available.

Some of the departments were not quite prepared for getting the audit conducted and wanted more time for the same. Many departments/cell took more time to take actions towards the suggestions/observations made by the committee which delayed the compilations. For year 2019-20, the process of conduct of academic and administrative audit was delayed due to spread of COVID-19 pandemic.

### **360 DEGREE FEEDBACK**

#### **360° FEEDBACK: CONTINUOUS IMPROVEMENT THROUGH STAKEHOLDERS' PERSPECTIVE**

##### **Objectives**

1. To adjust and improve current and future actions and behaviors.
2. Helps understand learning objectives, choose the best strategies for the task, and make course corrections throughout the learning process.
3. To improve the performance of staff and students and increase their future potential and value to the university.

##### **The Context**

1. The questionnaire The design of the questionnaire shall be such that the questions are not long and also they incorporate the intent precisely with which it is designed.
2. Getting feedback People don't like 'wasting' their time sharing their feedback.
3. Getting right feedback Filling feedback forms have always been boring.

##### **The Practice**

Regulatory bodies have mandate to set norms and standards for regulating the quality of educational institutes. Bodies like UGC and NAAC have policies and procedures to orient India's Education system to quality. Stakeholders need to orient their mindset to quality and then only we can dream of a system that satisfies all.

Quality vs. Quantity has always been a thought provoking issue. As key stakeholder, students are concerned about the expected outcomes. Since the technical education scenario is drifting from output based system to outcome based system, quality in such processes needs to be addressed. It needs to be ensured that the outcome parameters vis a vis the objectives are mapped and the programmes are in tune with the national policies with reference to the global trend.

Satisfaction of stakeholders including students, faculty, alumni and societal expectations has always been a challenge. Since Quality is a benchmark on road to success and thus the improvement scope is bound to be there in any system.

Some of the best practices at J. C. Bose University of Science and Technology, YMCA include Academic Audit, 360 degree feedback, one semester mandatory Industrial training for students and transparent exam system among others.

360-degree feedback, also known as multi-rater feedback, multi source feedback, or multi source assessment, is a process utilized by this university to solicit information from a variety of sources on different aspects. Most often, information solicited in a 360-degree feedback process includes feedback from all the stakeholders of the University. Such feedback can also include, when relevant, feedback from external sources who interact with the University, such as peer group, examiners, alumni etc. 360-degree feedback is so named because it solicits feedback regarding University from a variety of points of view (Students, Alumni, Peers, Industry Experts and Parents).

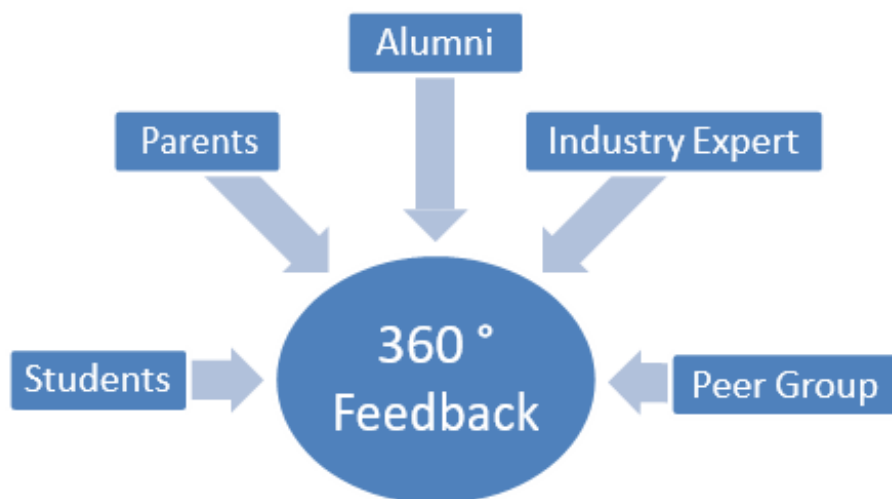


Figure 4: Stakeholders of University for 360° Feedback

The following table depicts the mechanism for feedback collection from various stakeholders.

Sr. No.	Stakeholder	Mechanism of Feedback
1.	Student	Students are required to fill-up Feedback Form during semester whereby they are required to give their feedback on relevance, adequacy and coverage of curricula of each subject along with the performance of teacher in the class, teaching methodology and teaching pedagogy etc. Such feedback is taken by the Department based upon which remedial action is taken as when required.
2.	Alumni	Meetings of Alumni are held at least once in a year under the aegis of Alumni Association. Alumni also visit the campus of the University on various occasions and events. Feedback of Alumni is taken in structured feedback form, which includes feedback of relevance and adequacy of curricula, specifically, vis-à-vis their capability to adapt to the world of work after having studied in the Institution.
3.	Employers	Feedback on curricula and performance of Alumni is taken from the employers not only when they visit the campus for conducting campus interviews but also involving them during the curricula finalization.
4.	Parents	Feedback of parents is taken in a structured feedback form as and when they visit on various occasions and events.
5.	Peer Group	External Academic Experts are normally called for delivering Expert Lectures, Selection of Teachers, Workshops, Conferences, Symposia, Faculty Development Programmes, examiners etc., whose feedback on institutional aspects is taken in addition to the relevance and adequacy of infrastructure facilities specifically labs, workshops, library and central computing facilities etc.

In our University, 360° feedback is collected from all the stakeholders by using online or offline mechanisms. Online mechanism for collection of feedback uses online forms for which links are sent to the stakeholders while offline mechanism uses a set Performa to be filled by the stakeholders.

After collecting data from the stakeholders, the response sheet are being generated at department level and analysed thereof by using predefined parameters. Based upon the report, the departments take appropriate action. The department submits a copy of the report along with the action taken to the Internal Quality Assurance Cell (IQAC).

The feedback process is depicted in Figure 5.

The stakeholders of our University include Students, Parents, Alumni, Industry Experts and Peer Groups. For the purpose of understanding, here only Student feedback is being discussed. Student Feedback collection activity is conducted by the respective departments in two ways:

- a Classroom Feedback (conducted in every semester)
- b Exit survey (conducted once in the final semester)

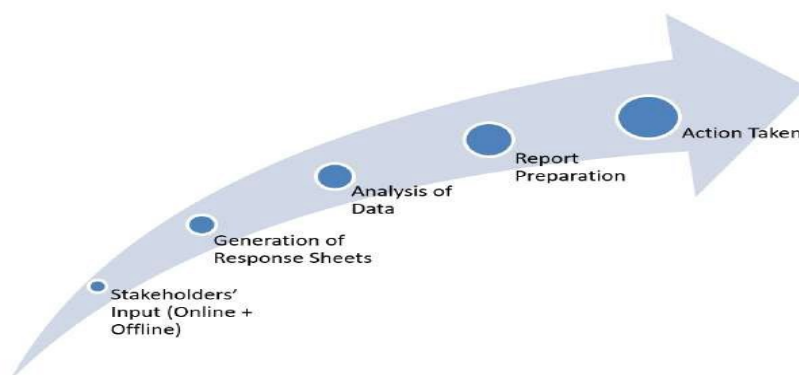


Figure 5: 360° Feedback Process

The stakeholders of our University include Students, Parents, Alumni, Industry Experts and Peer Groups. For the purpose of understanding, here only Student feedback is being discussed.

Student Feedback collection activity is conducted by the respective departments in two ways:

- a Classroom Feedback (conducted in every semester)
- b Exit survey (conducted once in the final semester)

The predefined parameters for classroom feedback are Subject Matter, Teaching Learning Process, Use of Learning Resources, Evaluation Process and General Points and the question related to each key parameter are given below:

### Subject Matter

- Was the course planned?
- Was the course coverage adequate?
- Did the topic provide new knowledge?

### Teaching Learning Process

- Were you able to understand the contents in class?
- Was the interaction in class adequate?
- Were you satisfied with teaching methodology?

### Use of Learning Resources

- Was the board used effectively?
- Were the projection aids employed effectively?
- Did the overall use of learning resources enhance your understanding?

### Evaluation Process

- Were adequate assignments/tutorial sheet given?
- Were the assignment and class test challenging?
- Were the same checked properly within seven working days?
- Was the evaluation fair and cleared your doubts?

### General Points

- Did the teacher meet your expectations?
- Were you satisfied with the course in general?
- Would you like to take another course from the same teacher?

These questions are designed in such a manner that they precisely cover almost all the key parameters.

The responses of the students are collected and analysed at the Department level. The sample screenshots of the responses and their analysis are shown below in Figures 6 and 7. The prime aim of 360° feedback is to ensure that every student has access to competent and qualitative teaching which leads to vibrant academic, social and personal growth. The IQAC regularly monitors the activity along with other quality initiatives. We need to continuously incorporate such Quality Initiatives in our systems and follow them in letter and spirit for satisfaction of stakeholders.

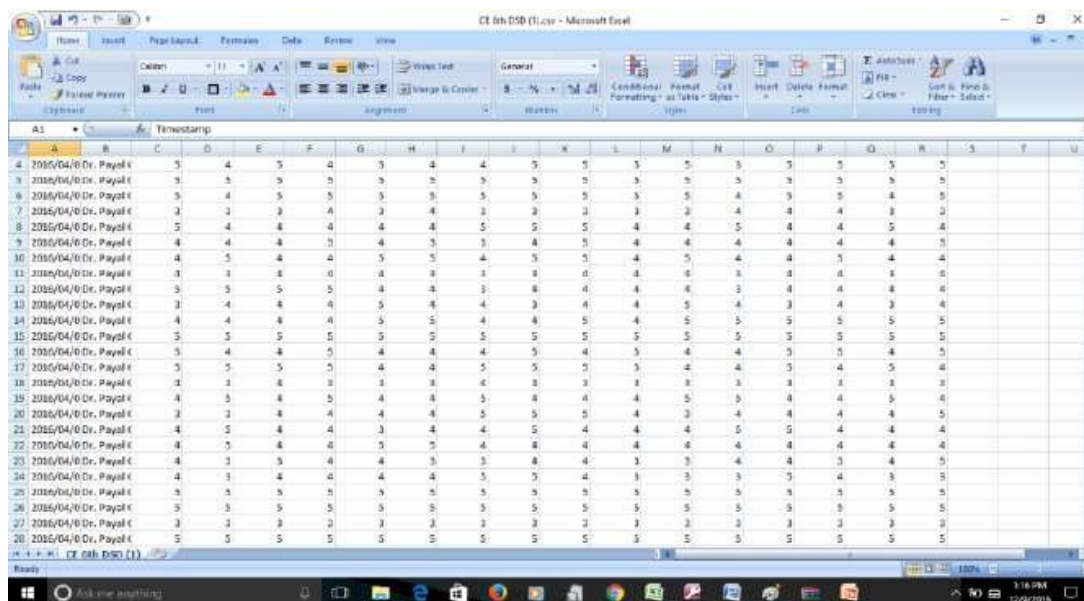


Figure 6: Sample Responses

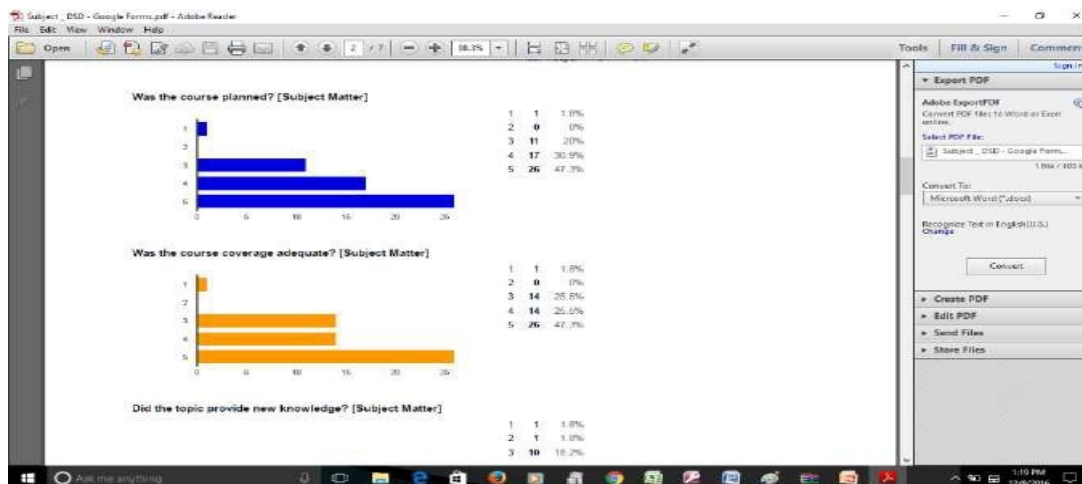


Figure 7: Sample Analysis

## Evidence of Success

Feedbacks always pave a way for continuous improvement. The feedback system has helped in many ways, some of the actions include:

- i. Introduction of Credit based system
- ii. Latest Technologies and practices as elective subjects
- iii. CBCS
- iv. Grievance Portal
- v. Improved labs and infrastructure

## Problems Encountered and Resources Required

- i **It was tough to visualize the hard copy of the feedback forms received from various stakeholders.**

To overcome this we used online google forms for data collection and generated analysis report.

- ii **Reporting and Action taken**

By the end of every semester/ academic year, the departments are advised to submit an analysis report along with an action taken report for the same. In case any action is required at the university level, then the Chairperson submits a report for the same to the IQAC for the needful.

## Notes

- 1 For implementing this any level, It is required to identify all of the stakeholders' whose golden inputs are important.
- 2 Then the questionnaire needs to be designed depending upon key focus areas.
- 3 A report format based upon the inputs received from the stakeholders shall also be prepared as per the questionnaire that helps in analyzing the feedbacks in a better way.
- 4 Feedback should be addressed properly. Actions shall be performed or escalated through proper channel.

## HAMARA CAMPUS SWACCH CAMPUS

**Hamara Campus, Swachh Campus** initiative is a significant environmental and cleanliness drive undertaken by educational institutions, government bodies, and local communities to ensure a clean, green, and sustainable campus environment. The movement aims to instill a sense of responsibility and awareness among students, faculty, and staff about maintaining cleanliness, hygiene, and promoting a sustainable lifestyle.

Maintaining cleanliness is crucial for a healthy environment. Cleanliness drive last week was a great success. Thanks to all for your enthusiasm for this worthy cause. As was informed earlier this is going to be a continuous effort and next activity in this regard is being scheduled at 7:00 AM on Wednesday, 13th December, whereby all the staff and students shall assemble at Kalam chowk for cleanliness. Staff Club, Faculty Association, Workshop Teacher Association, NTKS and students joined and strengthen the clean campus campaign.

The core purpose of the initiative is not just to keep the physical surroundings clean, but also to create awareness on waste management, pollution reduction, and the conservation of resources.



### Objective

The Hamara Campus, Swachh Campus initiative has several objectives:

1. **Promote Cleanliness:** Ensuring that all areas within the campus, including classrooms, corridors, lawns, and common areas, are kept clean and free from waste.
2. **Awareness Campaigns:** Educating students and staff about waste segregation, recycling, and the importance of a clean campus for the well-being of the community.
3. **Waste Management:** Implementation of proper waste segregation techniques, including the separation of biodegradable and non-biodegradable waste, and the use of dustbins in every part of the campus.
4. **Sustainability Practices:** Encouraging practices like reducing plastic use, promoting the use of eco-friendly materials, and creating a green campus with trees and plants.
5. **Fostering Civic Responsibility:** Encouraging all campus members to take an active part in maintaining cleanliness, thereby fostering a sense of collective responsibility and ownership.

### IMPACT

- 1. Improved Cleanliness and Hygiene:** Regular cleaning has contributed to a noticeable improvement in campus hygiene. The campus is now cleaner, more organized, and provides a healthy atmosphere for students and staff.
- 2. Waste Reduction:** Through segregation and recycling practices, a significant reduction in waste has been observed. Recycled materials are used in various parts of the campus, minimizing waste sent to landfills.
- 3. Heightened Awareness:** The initiative has successfully raised awareness regarding environmental issues among students and staff, who are now more conscious of their role in protecting the environment.
- 4. Civic Responsibility:** The initiative has cultivated a sense of civic duty among the campus community. Everyone feels responsible for ensuring the campus remains clean, and there is an overall commitment to sustainability.
- 5. Green Campus:** The tree plantation activities have contributed to a greener campus, which is not only aesthetically pleasing but also improves air quality and provides shade, contributing to a healthier environment.



# Financial Summary

## FINANCIAL SUMMARY

Sr. No.	Head of Account	Actuals 2022-23	Actuals 2023-24	Budget Estimates 2024-25
	RECEIPTS	figures in lacs	figures in lacs	figures in lacs
<b>RECEIPTS</b>				
1	Opening Balance	1,345.83	1,521.86	6,247.79
2	State Govt. Grant	4,500.00	7,492.00	5,000.00
3	Internal Receipts	2,584.73	2,714.86	2,560.00
4	Self Financing Schemes	1,507.52	2,331.68	1,904.86
5	Funding Agencies	531.02	299.94	1,000.00
	Total	10,469.11	14,360.34	16,712.65
<b>EXPENDITURES</b>				
1	State Govt. Grant	5,122.97	5,609.94	8,382.68
2	Self Financing Schemes	1,675.18	1,712.35	2,332.41
3	Funding Agencies	165.58	251.57	1,000.00
4	Capital Expenditure	1,983.52	538.7	6,549.83
	Total	8,947.25	8,112.55	18,264.92

**Controller of Finance: Sh. Ravi Kumar Sharma**







## **J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD, HARYANA (INDIA)**

A State Government University (Accredited 'A+' Grade by NAAC)

(Established by Haryana State Legislative Act No. 21 of 2009, Recognized by U.G.C. u/s 2 (f) and 12(B) of U.G.C. Act 1956)

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