



**J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD, HARYANA (INDIA)**  
A State Government University (Accredited 'A+' Grade by NAAC)

# ANNUAL REPORT 2024-25



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# ANNUAL REPORT

## 2024-25



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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 academic session 2024–2025. 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, the Chancellor, and the State Government through the University Court.

This Annual Report comprehensively documents the University's progress, including academic, research, administrative, and financial developments. The year 2024-25 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.

The focus during the year was also on the effective implementation of key provisions of the National Education Policy 2020 (NEP 2020), particularly in promoting multidisciplinary education, flexibility in curriculum design, skill-oriented learning, research orientation, and student-centric academic practices. During the year, the University undertook several initiatives to enhance the quality of teaching, learning, and research. Academic programmes were strengthened and updated in line with emerging technological and industry requirements, while greater emphasis was placed on interdisciplinary learning and innovation-driven education.

Students of the University continued to bring laurels through their achievements in academics, sports, cultural activities, and technical competitions at various prestigious platforms. A number of initiatives aimed at skill development, entrepreneurship promotion, internships, and industry interaction further enhanced the employability and professional readiness of our students.

I place on record my sincere appreciation for the dedicated efforts of the faculty members, officers, staff, students, and alumni, whose collective commitment continues to drive the growth and achievements of the University. I also express my gratitude to the Government of Haryana, the Hon'ble Chancellor, and the members of the University Court, Executive Council, and Academic Council for their continued guidance and support.

I hope that this Annual Report provides a comprehensive account of the activities, achievements, and milestones of the University during the academic session 2024–2025, and reflects our continued commitment to excellence in higher education, research, and service to society.

**Prof. Rajive Kumar**  
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 2024-2025 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. Anurag Prakash Sunda</b>	Assistant Professor, Department of Chemistry
5	<b>Dr. Rewa Sharma</b>	Assistant Professor, Department of Computer Engineering
6	<b>Dr. Sapna Taneja</b>	Assistant Professor, Department of Management Studies
7	<b>Dr. Taruna Narula</b>	Assistant Professor, Department of CMT
8	<b>Dr. Rashi Gupta</b>	Assistant Professor, Department of Physics
9	<b>Sh. Jitender Singh Yadav</b>	Public Relations Officer
Latex Editor(s)		
1	<b>Dr. Lalit Rai</b>	Assistant Professor, Department of Electronics Engineering
2	<b>Dr. Anurag Prakash Sunda</b>	Assistant Professor, Department of Chemistry

The Report is compiled under the overall supervision of **Prof. Pradeep Kumar**, Department of Electronics Engineering & **Prof. Atul Mishra**, Dean (Academic Affairs) and the report presents the highlights of the activities and achievements of the J. C. Bose University of Science and Technology, YMCA, Faridabad during the year 2024-2025. The information presented in this report is based on the data/information provided to the committee by the concerned Departments/Sections.

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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 (YMCAIE) 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 notification dated 11.10.2018 (Haryana Legislative Act No. 29 of 2018). 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	20.07.2025

<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	10.09.2025
8.	Prof. Rajive Kumar	11.09.2025	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	14.01.2025
11.	Dr. Rajiv Kumar Singh	15.01.2025	12.05.2025
12.	Dr. Ajay Ranga	13.05.2025	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. Munish Vashishath, Department of Electronics Engineering	Chairperson
Dr. P. R. Sharma, 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. Anuradha Sharma	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. Sachin Teotia	Dean
Dr. Kakoli Dutt, Department of Life Sciences	Chairperson
<b>Faculty of Management Studies</b>	
Dr. Ashutosh Dixit	Dean
Dr. Rajiv Sindhwani, Department of Management Studies	Chairperson
Dr. Rajiv Sindhwani, 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. Rajiv Kumar Singh	First Appellate Authority (RTI)
Dr. Rajiv Kumar Singh	Controller of Examinations
Dr. Vasdev Malhotra	Proctor
Dr. Rajiv Kumar Singh	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 (2024-25)

Sr. No.	Details	Count
1.	Teaching Staff	156 + 33 (Contractual)
2.	Non-Teaching & Technical Staff	147 (Regular)+5 (SFS) + 3 (Contractual)

## MEETINGS OF UNIVERSITY BODIES

Sr. No.	Name of Body	Meeting Held
1.	University Court	13 <sup>th</sup> meeting held on 24.03.2025
2.	Executive Council	52 <sup>th</sup> meeting held on 14.01.2025 53 <sup>rd</sup> meeting held on 04.02.2025 54 <sup>th</sup> meeting held on 24.03.2025
3.	Academic Council	30 <sup>th</sup> meeting held on 10.10.2024 31 <sup>st</sup> meeting held on 08.07.2025
4.	Finance Committee	18 <sup>th</sup> meeting held on 24.03.2025

## 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	Hon'ble Governor of Haryana-Chairman	Ex-Officio Member	
2	Vice Chancellor	Ex-Officio Member	
3	Secretary to Govt., Finance Department, Haryana	Ex-Officio Member	
4	Secretary to Govt., Technical Education, Haryana	Ex-Officio Member	
5	Director General –Technical Education, Haryana	Ex-Officio Member	
6	Legal Remembrance, Haryana	Ex-Officio Member	
7	Dean – Faculty of Engineering and Technology	Ex-Officio Member	
8	Dean – Faculty of Management Studies	Ex-Officio Member	
9	Dean – Faculty of Sciences	Ex-Officio Member	
10	Dean – Faculty of Informatics and Computing	Ex-Officio Member	
11	Dean – Faculty of Liberal Arts & Media Studies	Ex-Officio Member	
12	Dean – Faculty of Life Sciences	Ex-Officio Member	
13	Dean – Faculty of Interdisciplinary Studies& Research	Ex-Officio Member	
14	Controller of Examinations/Dean Examinations	Ex-Officio Member	
15	Registrar	Ex-Officio Member	
16	Dy. Librarian	Ex-Officio Member	
17	Assistant Law Officer	Ex-Officio Member	
18	Prof. Deepti Dharmani, Vice Chancellor, Chaudhary Bansi Lal University, Bhiwani (Haryana)	31.08.2024	30.08.2026

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19	Prof. Devinder Singh, Chairperson, Deptt. of Laws, Panjab University, Chandigarh	31.08.2024	30.08.2026
20	Prof. Meena Sharma, University Business School, Panjab University, Chandigarh	31.08.2024	30.08.2026
21	Prof. Narsi Ram Bishoi, Vice-Chancellor, GJUST, Hisar (Haryana)	31.08.2024	30.08.2026
22	Sh. Sukhdev Singh, Director, Hind Hydraulics & Engineers, Faridabad (Haryana)	31.08.2024	30.08.2026
23	Dr. Anuradha Sharma, Professor, Deptt. of Physics	31.08.2024	30.08.2026
24	Dr. Vasdev Malhotra, Professor, Deptt. of Mech. Engg.	31.08.2024	30.08.2026
25	Dr. Divyajyoti, Professor, Lit. & Language	31.08.2024	30.08.2026
26	Dr. Sonia, Professor, Deptt. of Physics	31.08.2024	30.08.2026
27	Dr. Sandhya Dixit, Professor, Deptt. of Mech. Engg.	31.08.2024	30.08.2026
28	Dr. Sanjeev Goyal, Associate Professor, Deptt. of Mech. Engg.	31.08.2024	30.08.2026
29	Dr. Shailender Gupta, Associate Professor, Deptt. of Electronics Engg.	31.08.2024	30.08.2026
30	Sh. Nitin Goel, Assistant Professor, Deptt. of Electrical Engg.	31.08.2024	30.08.2026
31	Dr. Shakuntla, Assistant Professor, Deptt. of Electrical Engg.	31.08.2024	30.08.2026

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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	Controller of Finance, J C Bose UST	Ex-Officio Member	
6	Prof. Biplab Halder, Vice Chancellor, ICFAI University, Tripura (Nominee of AICTE)	30.01.2025	29.01.2027
7	Prof. S.P. Singh, Vice Chancellor, DCRUST, Murthal	30.01.2025	29.01.2027
8	Dr, Shimla, Former Registrar, JCBUST, YMCA	30.01.2025	29.01.2027
9	Prof. B.V. Ramana Reddy, Director, NIT, Kurukshetra	30.01.2025	29.01.2027
10	Prof. RenuVij, Vice Chancellor, Panjab University, Chandigarh	30.01.2025	29.01.2027
11	Prof. R.P. Tiwari, Vice Chancellor, Central Punjab, Chandigarh	30.01.2025	29.01.2027
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 Institution	Ex-Officio Secretary	
6.	Prof. Brij Kishore Kuthiala, Former Chairperson, HSHEC, Panchkulla	31.08.2024	30.08.2026
7.	Prof. Tankeshwar Kumar, Vice Chancellor, Central University of Haryana, Mahendragarh (Haryana)	31.08.2024	30.08.2026
8.	Prof. Som Nath Sachdeva, Vice Chancellor, Kurukshetra University, Kurukshetra	31.08.2024	30.08.2026
9.	Prof. S.N. Mishra, Prof. (Retd.), Deptt. of Botany, Maharshi Dayanand University, Rohtak	31.08.2024	30.08.2026
10.	Prof. Bholu Ram Gurjar, Director, NITTTR, Chandigarh	31.08.2024	30.08.2026
11.	Prof. Dinesh Kumar, Vice Chancellor, SVSU, Palwal	31.08.2024	30.08.2026
12.	Prof. Anuradha Sharma, Dean- FOS	31.08.2024	30.08.2026
13.	Prof. Raj Kumar, Dean- FET	31.08.2024	30.08.2026
14.	Prof. Manjeet Singh, Dean- FIC.	31.08.2024	30.08.2026
15.	Prof. Arvind Kumar, Deptt. of Mech. Engg.	31.08.2024	30.08.2026
16.	Prof. Komal Kumar Bhatia, Deptt. of Computer Engg.	31.08.2024	30.08.2026
17.	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. Pawan Kumar Sharma, Deptt. Of Chemistry Central University of Haryana, Mahendergarh	31.08.2024	30.08.2026
16	Prof. Rajesh Dhankhar, Deptt, of Environmental Sciences Maharshi Dayanand University, Rohtak	31.08.2024	30.08.2026
17	Prof. Rama Krishna Challa, Deptt. of Computer Science & Engg NITTTR, Sector-26, Chandigarh	31.08.2024	30.08.2026
18	Prof. Saraswati Setia, Deptt of Civil Engg, NIT Kurukshetra	31.08.2024	30.08.2026
19	Prof. (Dr.) M.K. Soni, Patron, Lingaya'sVidhapeeth, Faridabad	31.08.2024	30.08.2026
20	Dr. Bharat, Associate Professor of Law University Institute of Legal Studies, Panjab University, Chandigarh	31.08.2024	30.08.2026
21	Prof. Anil Kumar Vashisth, Deptt. of Mathematics Kurukshetra University, Kurukshetra	31.08.2024	30.08.2026

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22	Prof. (Dr.) Sunita Srivastava, Dept. of Physics & Astrophysics Central University of Haryana, Jant-Pali, Mahendragarh (Haryana)	31.08.2024	30.08.2026
23	Dr. C.K. Nagpal, Professor- FIC	31.08.2024	30.08.2026
24	Dr. Rajesh Kumar Ahuja, Professor- FET	31.08.2024	30.08.2026
25	Dr. Ashutosh Nigam, Professor- FMS	31.08.2024	30.08.2026
26	Dr. Anuradha Sharma, Professor- FOS	31.08.2024	30.08.2026
27	Dr. Divyajyoti, Professor-FLAMS	31.08.2024	30.08.2026
28	Dr. SachinTeotia, Professor- FOLS	31.08.2024	30.08.2026
29	Dr. Rachna Agarwal, Associate Professor, FMS	31.08.2024	30.08.2026
30	Dr. Shailender Gupta, Associate Professor-FET	31.08.2024	30.08.2026
31	Dr. Neelam Duhaan, Associate Professor-FIC	31.08.2024	30.08.2026
32	Dr. Renuka Gupta, Associate Professor-FOS	31.08.2024	30.08.2026
33	Dr. Pawan Singh Malik, Associate Professor-FLAMS	31.08.2024	30.08.2026
34	Dr. KakoliDutt, Associate Professor-FOLS	31.08.2024	30.08.2026
35	Dr. Nitin Sachdeva, Assistant Professor-FET	31.08.2024	30.08.2026
36	Dr. Payal Gulati, Assistant Professor-FIC	31.08.2024	30.08.2026
37	Dr. Nisha Singh, Assistant Professor-FOS	31.08.2024	30.08.2026
38	Dr. Parveen Kumar, Assistant Professor- FMS	31.08.2024	30.08.2026
39	Dr. Ashima Sharma, Assistant Professor- FOLS	31.08.2024	30.08.2026

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

## Department and Course-Wise Faculty Positions and Status as on 30.06.2025

Department	Course	Aided/ Self-Financed	Post	Sanctioned	Filed
Mechanical Engg.	B.Tech. - ME	Aided Course	Professor	4	3
			Associate Professor	8	7
			Assistant Professor	17	16
	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
	Computer Engg.	B.Tech.	Aided Course	Professor	2
Associate Professor				4	3
Assistant Professor				9	8
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	
Computer Applications	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	9
	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	3	
	M.Sc. (Microbiology)	Aided Course	Professor	1	0	
			Associate Professor	2	1	
			Assistant Professor	4	3	
<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	2
				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	

\***Note:** The recruitment against vacant posts has been kept on hold in compliance with the directives issued by the Directorate of Technical Education, Haryana, vide Memo No. 547-549/Univ. dated 23.08.2024, and further directions issued by the Higher Education Department, Haryana, vide Memo No. 18/153-2021 UNP(I) dated 03.10.2024.

## Non- Teaching/ Administrative/ Technical Staff (2024-25)

Sr. No.	Name of Post	Pay Band	Sanctioned	Filled	Lying Vacant
1.	Vice Chancellor	Consolidated	1	1	0
2.	Registrar	APL-19	1	1	0
3.	Controller of Finance	FPL-14	1	1	0
4.	Controller of Examinations	APL-14	1	1	0
5.	TPO	FPL-9	1	0	1
6.	Librarian	APL-14	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	10	4
46.	Library Assistant	FPL-2	1	0	1
47.	Library Counter Clerk	FPL-2	3	2	1
48.	Clerk	FPL-2	45	20	25
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	6	8
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>147</b>	<b>103*</b>

\*Note: Vacant posts primarily comprise promotional positions. The filling of these posts has been kept on hold in compliance with the directives issued by the Directorate of Technical Education, Haryana, vide Memo No. LF/24/899-902/Univ. dated 04.12.2024

# 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. Sachin Teotia, 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	06.09.2024	Meeting of MoU Advisory Committee
2	23.10.2024	Meeting of MoU Advisory Committee
3	25.10.2024	Meeting regarding guidelines for Doctorate & Honorary Degree
4	02.12.2024	Meeting regarding finalizing the names for Research Publication Awards
5	12.12.2024	Meeting regarding progress of projects under PURSE Grant
6	30.01.2025	Meeting regarding Grant of Seed Money research award 2024
7	26.12.2024	Meeting regarding collaboration Agreement with Foreign University
8	18.02.2025	Meeting of MoU Advisory Committee
9	27.02.2025	Meeting regarding reviewing of Guidelines of Open Access Journals
10	20.03.2025	Meeting regarding in House Printing Facility
11	26.03.2025	Meeting regarding Research Grant received from GOH

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

Sr. No.	Name of Ph.D. Program	No. of Admissions
1	Ph.D. (Chemistry)	3
2	Ph.D. (Computer Engineering)	1
3	Ph.D. (Environmental Science)	1
4	Ph.D. (Management)	3
5	Ph.D. (Mechanical)	1
6	Ph.D. (Physics)	1
7	Ph.D. (Computer Applications)	3
8	Ph.D. (Biotechnology)	1
9	Ph.D. (Electronics)	1
10	Ph.D. (Literature & Languages)	1
11	Ph.D. (Mathematics)	1

**TOTAL Ph.D. AWARDED DURING THE YEAR (2024-25):**

Sr. No.	Department	Name of Research Scholar	Supervisor / Co-supervisor	PhD Notification Date
1	Computer Engineering	Ms. Dimple Chehal	Dr. Parul Gupta, Dr. Payal Gulati	29.01.2024
2	Computer Engineering	Mr. Madan Singh	Dr. Naresh Chauhan Dr. Rashmi Popli	28.05.2024
3	Computer Engineering	Ranjita Joon	Dr. Parul Tomar	07.02.2025
4	Computer Engineering	Shikha Gupta	Dr. Atul Mishra	13.06.2025
5	Computer Applications	Chandni Malhotra	Dr. Manjeet Singh	07.02.2025
6	Chemistry	Ms. Rajni Narang	Dr. Bindu Mangla	28.05.2024
7	Chemistry	Mr. Chander	Dr. Sita Ram	28.05.2024
8	Electronics Engineering	Ms. Ritika Thusoo	Dr. Sheilza Jain	13.11.2024
9	Electronics Engineering	Mayank Nehra	Dr. Sheilza Jain	07.02.2025
10	Electronics Engineering	Mr. Lalit Kumar	Dr. Pradeep Kumar	24.04.2025
11	Electrical Engineering	Mr. Atma Ram	Dr. P.R. Sharma	13.11.2024
12	Electrical Engineering	Abhishek Kumar	Dr. Rashmi Aggarwal	07.02.2025
13	Mathematics	Ms. Tamanna Sharma	Dr. Maneesha Garg	13.11.2024
14	Mathematics	Mr. Ajay Kumar	Dr. Reena Garg	13.11.2024
15	Mathematics	Deepak	Dr. Arpita Chatterjee	13.06.2025
16	Physics	Ms. Shweta	Dr. Arun Kumar	13.11.2024

Sr. No.	Department	Name of Research Scholar	Supervisor / Co-supervisor	PhD Notification Date
17	Physics	Ms. Krishna	Dr. Anuradha Sharma	24.04.2025
18	Management Studies	Ashwarya	Dr. Rajiv Sindhwani	07.02.2025
19	Management Studies	Ms. Komal Goyal	Dr. Ashutosh Nigam	24.04.2025
20	Management Studies	Ashima Verma	Dr. Rachna Aggarwal	13.06.2025
21	Mechanical Engineering	Om Parkash	Dr. Arvind Kumar	24.04.2025
22	Literature & Languages	Babita Devi	Dr. Divyajyoti	13.06.2025

### EVENTS / ACTIVITIES/ACHIEVEMENTS DURING YEAR

Sr. No.	Name of Activity	Date	Beneficiary Count
1	Colloquium- VII- Dr. Shankar Dutta, Solid state physics laboratory, DRDA, Delhi	15.07.2024	100
2	Colloquium-VIII- AI tools in Scientific Research by Dy. Librarian, P.U, Chandigarh	13.08.2024	150
3	Colloquium- IX System Biology to Synthetic Biology by Dr. R.C. Solti, Professor, Deptt of Biotechnology, PU Chandigarh	08.11.2024	100
4	Colloquium-X How Microbes Shape your Health by Dr. Rajat Sandhir, Professor, Deptt. of Biochemistry, PU, Chandigarh	17.02.2025	150
5	Colloquium-XI Einstein, $E = mc^2$ & The Atom Bomb by Dr. Ajoy Ghatak, (Retired) Professor of Physics, IIT Delhi	09.05.2025	150
6	Doctoral Colloquium- by Faculty of Informatics & Computing	20.11.2024	42
7	Doctoral Colloquium- by Faculty of Informatics & Computing	06.12.2024	36
8	Doctoral Colloquium- by Faculty of Science & Faculty of Life Sciences	17.12.2024	71
9	Doctoral Colloquium- by Faculty of Informatics & Computing	23.04.2025	27

**EVENTS / ACTIVITIES/ACHIEVEMENTS DURING YEAR**

Sr. No.	Title of the project	Granted To	Agency	Dept.	Year	Amount
1	The Potential Benefits of using non-Gaussian resource in ideal and realistic continuous-variable quantum teleportation.	Dr. Arpita Chatterjee, Assistant Professor	HSCSIT	Mathematics	2024	20.00 Lacs
2	Design and Analysis of a Novel Desalination System with N series connected Evacuated Tube Collector	Dr. Bhupender Singh, Assistant Professor	HSCSIT	Mechanical Engineering	2024	20.00 Lacs
3	Indian Sign Language Recognition using EMG-based smart watch	Dr. Krishan Kumar, Assistant Professor	HSCSIT	Mechanical Engineering	2024	12.00 Lacs
4	Design and Development of Vertical Axis Wind Turbine (VAWT) for Highway Power Generation	Dr. Rajeev Kumar Saha, Assistant Professor	HSCSIT	Mechanical Engineering	2024	15.00 Lacs
5	Smart Photovoltaic Thermal (PVT) bench with Charging Station for EV	Dr. Rohit Tripathi, Assistant Professor	HSCSIT	Electronics Engineering	2024	22.00 Lacs

# INNOVATION & STARTUP ECOSYSTEM

## 1 Overview

J. C. Bose University of Science and Technology, YMCA, Faridabad has established a vibrant Innovation and Startup Ecosystem through its Technology Business Incubator — **JCB-TBI (J. C. Bose Technology Business Incubator)**. JCB-TBI is registered as a non-profit organisation under Section 8 of the Companies Act, 2013, and serves as the primary vehicle for nurturing entrepreneurship, translating research into market-ready products, and supporting startup ventures from within the university and its wider community.

During Academic Year 2024–25 (July 2024 to June 2025), the university’s startup ecosystem witnessed significant growth. A total of **11 startups** were actively supported under JCB-TBI, spanning diverse sectors including Green Energy, Biotechnology, Deep-Tech Drones, Telecommunications, AI-powered Technology, Health & Nutrition, FoodTech, E-commerce, and Advanced Manufacturing.

### 1.1 Key Highlights – AY 2024–25

Parameter	Details
Total Startups Supported	11 Startups
Physical Incubation	9 Startups
Virtual Incubation	2 Startups (IRS Polymers, Gourmet Bliss)
Student-led Startups	6 Startups
DPIIT Recognised Startups	4 (Yasya Biosciences, Technotrendz, METASAGA, IRS Polymers)
Startup Graduated	Luneblaze – Avadna Services Pvt. Ltd.
Government Grants	DST-NIDHI PRAYAS: Rs. 7 Lakhs
MSME Innovative Scheme	4 Ideas   Total Funding Identified: Rs. 1.3 Crore
Notable Turnover	IRS Polymers: Rs. 83.86 Crore; Technotrendz: Rs. 5 Crore
Sector Diversity	9+ sectors including Green Energy, AI, Biotech, Telecom, FoodTech

## 2 Startup Support – Nature and Type

JCB-TBI provides a comprehensive support ecosystem enabling startups at every stage of their journey from ideation to commercialization.

## 2.1 Infrastructure Support

- Dedicated co-working and physical incubation seats at nominal charges (Rs. 2,500–Rs. 5,000 per seat per month)
- Free infrastructure support for qualifying early-stage startups
- Virtual incubation for startups requiring mentorship without physical presence
- Integrated IoT Research Lab for prototyping
- 3D Printing facility for rapid prototyping and MVP development
- Pre-incubation support for student-led ideas

## 2.2 Financial Support Provided (AY 2024–25)

Sr. No.	Startup	Funding Source	Amount	Year
1	Yasya Biosciences	DST-NIDHI PRAYAS Grant	Rs. 7,00,000	2025
2	Yasya Biosciences (ILLUME SKIN)	JCB-TBI R&D Grant	Rs. 25,000	2024
3	SpiruFit	JCB-TBI Seed Funding	Rs. 25,000	2024

## 2.3 Non-Financial and Institutional Support

Type of Support	Description
DPIIT Recognition Facilitation	Assistance with DPIIT/Startup India registration, enabling tax benefits, compliance relaxations, and access to government schemes
IPR Support	Assistance with patents, trademarks, copyrights, and IP strategy (e.g., Yasya Biosciences – trademark, copyright, IP filing facilitated)
Company Registration	Support for company incorporation, GST registration, DSC, CA assistance at subsidised rates for incubates
Mentorship & Technical Guidance	One-on-one and group mentoring by faculty experts, domain specialists, and industry professionals
Business Development Support	Assistance with business modelling, investor pitching, market research, and feasibility studies
Exhibition & Networking	Representation at national exhibitions, MSME events, CPSE Conclaves, and innovation showcases (SGT Exhibition, Vigyan Bhawan events)

## 3 Profiles of Startups Supported (AY 2024–25)

The following section presents detailed profiles of the 11 startups supported under JCB-TBI during Academic Year 2024–25. Each profile captures the innovation, nature of support received, funding status, and technology readiness level of the startup.

### 3.1 Solar Thermochemical Hydrogen Production

<b>Added On</b>	30-06-2025
<b>Contact Person</b>	Mr. Naman Rathi
<b>Sector / Industry</b>	Green Energy (Deep Tech)
<b>Incubation Type</b>	Physical – Student Startup
<b>DPIIT Registration No.</b>	In Progress (LoI Given)
<b>Technology Stage (TRL)</b>	TRL 3
<b>Funding Received</b>	Nil
<b>Support Provided by JCB-TBI / University</b>	Physical incubation infrastructure, Pre-incubation mentorship, Faculty guidance
<b>Innovation / Product Description</b>	A deep-tech startup developing a solar thermochemical hydrogen (STCH) system that directly splits water using sunlight at 1500°C with ceria-based redox materials. The design integrates porous graphite receivers, molten salt heat recovery, and hybrid microwave heating, enabling continuous, zero-emission hydrogen production for scalable green fuel and ammonia synthesis.

### 3.2 Yasya Biosciences Pvt. Ltd. (ILLUME SKIN & CollaCare)

<b>Added On</b>	30-06-2025
<b>Contact Person</b>	Ms. Yashita Sharma & Ms. Yashika Mago
<b>Sector / Industry</b>	Biotechnology / Life Sciences – Cosmeceuticals & Medtech
<b>Incubation Type</b>	Physical – Student Startup (DPIIT Recognised)
<b>DPIIT Registration No.</b>	DIPP230663
<b>Technology Stage (TRL)</b>	TRL 9 (ILLUME SKIN)   TRL 3 (CollaCare)
<b>Funding Received</b>	DST-NIDHI PRAYAS Grant (CollaCare): Rs. 7,00,000 JCB-TBI R&D Grant (ILLUME SKIN): Rs. 25,000
<b>Support Provided by JCB-TBI / University</b>	IPR Support (Trademark, Copyright, IP Filing) Physical infrastructure (2 seats), R&D grant, IPR facilitation, CA/company registration support, Exhibition support (SGT), DST-NIDHI PRAYAS grant facilitation
<b>Innovation / Product Description</b>	Yasya Biosciences is a deep-science biotechnology startup dedicated to developing innovative, sustainable, and scalable topical solutions merging nanotechnology and marine science. The core innovation is nano marine collagen derived from Tilapia and mixed fish scales, powering two verticals: (1) <b>CollaCare</b> – nano-collagen based wound care solutions; (2) <b>ILLUME SKIN</b> – advanced nanotechnology-based skincare products commercially ready at TRL 9.

### 3.3 BrokEase

<b>Added On</b>	30-06-2025
<b>Contact Person</b>	Mr. Divyanshu Pandey
<b>Sector / Industry</b>	Technology & Software (AI-powered B2B Marketplace)
<b>Incubation Type</b>	Physical – Student Startup
<b>DPIIT Registration No.</b>	Registered
<b>Technology Stage (TRL)</b>	TRL 2
<b>Funding Received</b>	Nil
<b>Support Provided by JCB-TBI / University</b>	Physical incubation space (2 seats), Pre-incubation mentorship, Business development support
<b>Innovation / Product Description</b>	BrokEase is an AI-powered one-stop B2B marketplace designed to simplify procurement, vendor discovery, and broking across industries. It connects businesses, suppliers, and brokers on a single intelligent platform to streamline deal-making, enhance transparency, and reduce operational complexity through smart automation and data-driven insights.

### 3.4 SpuruFit

<b>Added On</b>	26-11-2024
<b>Contact Person</b>	Ms. Yashika Thakran
<b>Sector / Industry</b>	Health & Nutrition (Functional Foods)
<b>Incubation Type</b>	Physical – Student Startup
<b>DPIIT Registration No.</b>	Registered
<b>Technology Stage (TRL)</b>	TRL 2
<b>Funding Received</b>	JCB-TBI Seed Funding: Rs. 25,000
<b>Support Provided by JCB-TBI / University</b>	Physical incubation space, JCB-TBI seed funding, Mentorship, Product development guidance
<b>Innovation / Product Description</b>	SpiruFit is a health and nutrition startup focused on developing plant-based, high-protein food products powered by Spirulina. The brand aims to offer tasty, sustainable, and nutrient-rich alternatives for modern consumers seeking healthy lifestyles through natural, protein-dense superfoods.

### 3.5 Technotrendz Solutions Pvt. Ltd.

<b>Added On</b>	30-06-2025
<b>Contact Person</b>	Mr. Rajeev Vats / Mr. Rajesh Sehgal

<b>Sector / Industry</b>	Telecommunications & Electronics
<b>Incubation Type</b>	Physical – DPIIT Recognised
<b>DPIIT Registration No.</b>	DIPP231806
<b>Technology Stage (TRL)</b>	TRL 7
<b>Funding Received</b>	Nil (Turnover: Rs. 5 Crore)
<b>Support Provided by JCB-TBI / University</b>	Physical infrastructure (seats), Free infrastructure support for initial 6 months, DPIIT recognition facilitation, Business support
<b>Innovation / Product Description</b>	Technotrendz is developing <b>iMoni</b> – a SmartRack Monitoring System using patented technology (patent filed) for monitoring critical environmental parameters of unattended cabinets and racks. The innovation extends the life of moving elements, resulting in significantly longer solution life and substantial savings on maintenance costs. Additional innovations include <b>Fiber Sense</b> for Digital Twin, <b>SRMS</b> , and <b>Real-time Kinetics</b> .

### 3.6 METASAGA Pvt. Ltd.

<b>Added On</b>	20-09-2024
<b>Contact Person</b>	Mr. Amit Verma
<b>Sector / Industry</b>	Drones (Defence & Civilian – Deep Tech)
<b>Incubation Type</b>	Physical – DPIIT Recognised
<b>DPIIT Registration No.</b>	DIPP179281
<b>Technology Stage (TRL)</b>	TRL 8
<b>Funding Received</b>	Nil (DRDO-funded R&D backing)
<b>Support Provided by JCB-TBI / University</b>	Physical incubation infrastructure, Mentorship, DPIIT facilitation, Incubation agreement support
<b>Innovation / Product Description</b>	METASAGA introduces India’s first cardboard composite flat-pack drones — an eco-sustainable and cost-efficient innovation redefining rapid aerial operations. Designed for rapid deployment, these biodegradable drones with low radar signature support surveillance, inspection, logistics, and tactical operations. The startup addresses a largely untapped Indian market (global competition: SYPAQ – Australia, Peach – South Korea), advancing <i>Atmanirbhar Bharat</i> in drone technology.

### 3.7 The Tee Point

<b>Added On</b>	20-09-2024
<b>Contact Person</b>	Ms. Prachi Wadhvani

<b>Sector / Industry</b>	Art-based Merchandise / E-commerce
<b>Incubation Type</b>	Physical – Student Startup (LoI Given)
<b>DPIIT Registration No.</b>	Pending
<b>Technology Stage (TRL)</b>	Ideation / Early Stage
<b>Funding Received</b>	Nil
<b>Support Provided by JCB-TBI / University</b>	Physical incubation space (LoI given), Mentorship, Pre-incubation business guidance
<b>Innovation / Product Description</b>	A digital platform connecting artists and consumers via art-infused everyday products, making art accessible in daily life through unique, artist-designed merchandise.

### 3.8 Galichaa

<b>Added On</b>	20-09-2024
<b>Contact Person</b>	Mr. Amandeep Singh
<b>Sector / Industry</b>	Home Decor / Hand-crafted Rugs
<b>Incubation Type</b>	Physical – Startup (LoI Given)
<b>DPIIT Registration No.</b>	Pending
<b>Technology Stage (TRL)</b>	Ideation / Early Stage
<b>Funding Received</b>	Nil
<b>Support Provided by JCB-TBI / University</b>	Physical incubation space (LoI given), Mentorship, Market development support
<b>Innovation / Product Description</b>	Galichaa specialises in bespoke, hand-tufted luxury rugs crafted to match unique interior design tastes and personalised styles, catering to the premium home decor segment with customised artisan craftsmanship.

### 3.9 BiteBox

<b>Added On</b>	30-06-2025
<b>Contact Person</b>	Mr. Sanjeevan Kumar
<b>Sector / Industry</b>	FoodTech / Student Meal Delivery / Agri-Processing
<b>Incubation Type</b>	Physical – Student Startup
<b>DPIIT Registration No.</b>	Pending
<b>Technology Stage (TRL)</b>	Early Traction
<b>Funding Received</b>	Nil

<b>Support Provided by JCB-TBI / University</b>	Physical incubation space, Mentorship, Business model development support
<b>Innovation / Product Description</b>	BiteBox is a student-centric food delivery startup offering affordable, customisable tiffin meals with flexible scheduling and real-time tracking. It connects local vendors within a 2 km radius to provide hygienic, budget-friendly meals. BiteBox has already served 150+ users with 25+ daily orders, featuring in-app rewards and zero marketing spend.

### 3.10 IRS Polymers Pvt. Ltd.

<b>Added On</b>	30-06-2025
<b>Contact Person</b>	Mr. Rohit Bansal
<b>Sector / Industry</b>	Manufacturing – Specialty Polyurethane Systems / Polymers for Footwear Industry
<b>Incubation Type</b>	Virtual – DPIIT Recognised
<b>DPIIT Registration No.</b>	DIPP122124
<b>Technology Stage (TRL)</b>	Commercially Active (High Turnover)
<b>Funding Received</b>	Nil from JCB-TBI (Govt. Grant from MSME Haryana: Rs. 5,34,930 in 2023)
	Turnover: Rs. 83.86 Crore
<b>Support Provided by JCB-TBI / University</b>	Virtual incubation, Mentorship, Networking support, Government scheme facilitation
<b>Innovation / Product Description</b>	IRS Polymers designs and manufactures high-performance polyurethane systems for the footwear industry — including insoles, recycled footwear, and specialised components. The company operates India’s first fully automatic, eco-friendly plant producing locally sourced polyurethane systems, focused on durability, flexibility, and sustainability.

### 3.11 Gourmet Bliss (Aryan Technologies)

<b>Added On</b>	30-06-2025
<b>Contact Person</b>	Mr. Mohit Goyal
<b>Sector / Industry</b>	Food Processing / Bakery & Confectionery Manufacturing
<b>Incubation Type</b>	Virtual
<b>DPIIT Registration No.</b>	Pending
<b>Technology Stage (TRL)</b>	Pre-Revenue
<b>Funding Received</b>	Nil
<b>Support Provided by JCB-TBI / University</b>	Virtual incubation, Mentorship, Company registration and CA support

<b>Innovation / Product Description</b>	Gourmet Bliss is an innovative bakery venture focusing on the production of premium cookies and bakery products through a fully automated, state-of-the-art agro-processing unit. The startup emphasises consistent quality, cost efficiency, and unique new-flavour cookies combining traditional and modern tastes, scalable for both soft and hard biscuit markets.
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#### 4 Graduated Startup

The following startup successfully completed its incubation journey at JCB-TBI and graduated from the programme during the reporting period, reflecting the ecosystem's success in nurturing startups to self-sufficiency.

Sr. No.	Startup Name	Sector	Status
1	Luneblaze (Avadna Services Pvt. Ltd.)	EdTech	Successfully Graduated

#### 5 Sector-wise Distribution of Startups

The 11 startups supported during AY 2024–25 span 9 diverse sectors, reflecting the university's multi-disciplinary innovation focus:

Sr. No.	Sector	Startup Name	Key Innovation
1	Green Energy / Deep Tech	Solar Hydrogen Production	Solar thermochemical water splitting for zero-emission hydrogen
2	Biotechnology/ Cosmeceuticals & Medtech	Yasya Biosciences	Nano marine collagen – skincare (ILLUME SKIN) & wound care (CollaCare)
3	Technology & Software / AI	BrokEase	AI-powered B2B procurement and broking marketplace
4	Health & Nutrition (Functional Foods)	SpiruFit	Plant-based Spirulina high-protein food products
5	Telecommunications & Electronics	Technotrendz	iMoni SmartRack Monitoring System (Patented Technology)
6	Drones (Defence & Civilian)	METASAGA Pvt. Ltd.	India's first cardboard composite flat-pack drones
7	Art-based Merchandise / E-commerce	The Tee Point	Artist-designed everyday merchandise platform
8	Home Decor / Handcraft	Galichaa	Bespoke hand-tufted luxury rugs
9	FoodTech / Agri-Processing	BiteBox	Student meal delivery with local vendor network
10	Advanced Manufacturing / Polymers	IRS Polymers Pvt. Ltd.	India's first eco-friendly automated polyurethane systems plant

11	Food Processing / Bakery	Gourmet Bliss	Automated premium bakery & confectionery production
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## 6 National Recognition – MSME Innovative Scheme

J. C. Bose University of Science and Technology, YMCA has been identified for Rs. 1.3 Crore funding under the MSME Innovative Scheme of the Government of India. Ideas and startups from the university have been selected at national-level PMAC (Project Management and Advisory Committee) meetings and announced by the Hon'ble Minister of MSME at Vigyan Bhawan, New Delhi — placing the university firmly on the national innovation map.

Sr. No.	Startup / Innovation	Founder	Achievement / National Recognition
1	Logistike Edulab Solution	Beena Kabdwal	Selected among 276 idea proposals – 4th PMAC Meeting of MSME Innovative Scheme, 26.06.2023. Announced by Hon'ble Minister of MSME on International MSME Day at Vigyan Bhawan, New Delhi.
2	3D Wheel Alignment & Balancing Technology for JK Tyres Dealers	Munesh Yadav	Selected among 397 idea proposals – 7th PMAC Meeting of MSME Innovative Scheme, 15.02.2024. Announced at CPSE Conclave, Vigyan Bhawan, New Delhi, 29.02.2024.
3	Alternate Propulsion Drive Train	Srishti Saransh Sahai	Advancing transportation sustainability through an alternative propulsion drive train reducing emissions and fuel consumption. Selected under MSME Innovative Scheme.
4	Fan Control Algorithm for Extending Fan Life	Sunil Yadav (Patent: Dr. Rajeev Vats)	Awarded Best Startup in Innovation Category by MOB-YMCA. Selected under MSME Innovative Scheme.

## 7 Notable Achievements and Milestones – AY 2024–25

- **Yasya Biosciences** received the prestigious DST-NIDHI PRAYAS Grant of Rs. 7,00,000 from DST and C-CAMP, Bangalore, for its CollaCare nano-collagen wound care innovation — one of the most competitive biotechnology grants in India.
- **METASAGA Pvt. Ltd.** developed India's first cardboard composite drones backed by DRDO-funded R&D expertise, advancing *Atmanirbhar Bharat* in the drone technology sector.
- **Technotrendz Solutions** achieved a turnover of Rs. 5 Crore with its **iMoni SmartRack Monitoring System** (patent filed), demonstrating strong commercial traction.
- **IRS Polymers Pvt. Ltd.** reported an outstanding turnover of Rs. 83.86 Crore, operating India's first fully automated eco-friendly polyurethane systems plant — a flagship example of deep manufacturing innovation.

- **SpiruFit** received JCB-TBI seed funding of Rs. 25,000 to advance its Spirulina-based plant protein food product line, supporting a student entrepreneur at the early stage.
- Four innovations from the university were selected under the Government of India’s MSME Innovative Scheme across national-level PMAC meetings, with total identified funding of Rs. 1.3 Crore.
- **Fan Control Algorithm** (Sunil Yadav / Dr. Rajeev Vats) was awarded the **Best Startup in Innovation Category** by MOB-YMCA, recognising faculty–student collaborative innovation.
- **Luneblaze (Avadna Services Pvt. Ltd.)** successfully graduated from the incubation programme — a milestone reflecting JCB-TBI’s ability to nurture student startups to independent operation.
- **BiteBox** achieved early market traction with 150+ users and 25+ daily orders within its student meal delivery model, demonstrating product–market fit at the pre-revenue stage.

## 8 Way Forward

J. C. Bose University of Science and Technology, YMCA is committed to further strengthening its Innovation and Startup Ecosystem in the coming academic year. The university aims to expand its incubation capacity, deepen partnerships with national funding agencies such as DST, MSME, DPIIT, and BIRAC, and support its current cohort of startups to achieve higher technology readiness and commercial viability. Particular focus shall be directed towards deep-tech innovations in Green Energy, Biotechnology, Artificial Intelligence (AI), and Defense — all aligned with national priorities under *Atmanirbhar Bharat*, *Startup India*, and *Make in India*.

JCB-TBI’s journey in AY 2024–25 exemplifies the university’s unwavering commitment to transforming academic knowledge into real-world impact and nurturing the next generation of innovators and job creators for the nation.

# **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	02.08.1989
3	Raj Kumar	Ph.D.	Professor	Thermal Engineering	31.08.2004
4	Vikram Singh	Ph.D.	Professor	Quality Management	01.08.2002
5	Arvind Gupta	Ph.D.	Professor	Thermal Engineering, CFD	24.02.2006
6	Hari Om	Ph.D.	Professor	Welding Engineering	19.07.2004
7	Lakhwinder Singh	Ph.D.	Professor	Material Technology, Fluid Dynamics	01.08.2002
8	Vikas Kumar	Ph.D.	Professor	JIT Manufacturing	01.08.2002
9	Sanjeev Kumar	Ph.D.	Professor	Industrial Engineering	19.06.2012
10	Vasdev Malhotra	Ph.D.	Professor	Advanced Manufacturing & Automation	06.01.2006
11	Sandhya Dixit	Ph.D.	Professor	Thermal Engineering, Industrial Engineering	06.01.2006
12	Sanjeev Goyal	Ph.D.	Professor	Robotics & Automation	11.01.2007
13	Nikhil Dev	Ph.D.	Associate Professor	Thermal Engineering	10.09.2008
14	Bhaskar Nagar	Ph.D.	Associate Professor	Mechanical Design, CAE	09.09.2008
15	Rajeev Saha	Ph.D.	Associate Professor	Operation Management, Web Management	02.09.2008

16	Mukesh Gupta	Ph.D.	Assistant Professor	CAD/CAM, Power Plant	03.01.2006
17	Rajesh Attri	Ph.D.	Assistant Professor	Quality & Operation Management	01.01.2009
18	Krishan Kumar	Ph.D.	Assistant Professor	CAD/CAM, FEA, Mechanical Design	06.01.2010
19	Mahesh Chand	Ph.D.	Assistant Professor	Industrial Engineering, Supply Chain	18.01.2010
20	O. P. Mishra	Ph.D.	Assistant Professor	Mechanical Design, Supply Chain, JIT	14.02.2011
21	Surender Singh	M.TECH	Assistant Professor	Industrial Engineering	15.02.2011
22	Bhupender Singh	Ph.D.	Assistant Professor	Industrial Engineering	17.02.2011
23	Shefali Trivedi	Ph.D.	Assistant Professor	Mechanical Metallurgy	22.03.2012
24	Sanjay Kumar	Ph.D.	Assistant Professor	Advanced Manufacturing Technology	02.04.2012
25	Nitin Panwar	Ph.D.	Assistant Professor	Thermal Engineering	03.03.2014
26	Nisha Bhatt	Ph.D.	Assistant Professor	Healthcare Robotics, Smart Materials	04.07.2024

### 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	9
2	Publications in National Journals	NIL
3	Papers presented at International Conferences	1
4	Papers presented at National Conferences	NIL

### 5 List of Publications

- Vimlesh Kumar Ojha, **Sanjeev Goyal, Mahesh Chand, Ajay Kumar**; A framework for data-driven decision making in advanced manufacturing systems: Development and implementation . *Concurrent Engineering*, Vol.32, pp. 58-77 (2024).
- Vimlesh Kumar Ojha, **Sanjeev Goyal, Mahesh Chand, Ajay Kumar**; Investigating and Modeling the Critical Barriers Hindering the Adoption of Data-Driven Decision Making in Advanced Manufacturing Systems . *Journal of The Institution of Engineers (India): Series C*, Vol.106, pp. 259–275 (2025).
- Nisha Bhatt**, Sanjeev Soni, Ashish Singla; Trajectory tracking control of shape memory alloy actuated flexible tube manipulator for tumor irradiation applications . *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, Vol.47, pp. 1–18 (2025).
- Deepak Kumar Yadav, Rajeev Kumar Singh, **Arvind Kumar Gupta**, Pushpendra Kumar Singh Rathore, Basant Singh Sikarwar; Numerical simulation and Artificial neural network illustration of phase-change material integrated into lattice structures printed in 3D . *Journal of Polymer and Composites*, Vol.12, pp. 175 183 (2024).

5. Sumit Singh, **Rajesh Kumar Attri, Shefali Trivedi**; Optimization of FDM 3D Printing Process Parameters for Improving Wear Characteristics of PLA-nGr Composite using Taguchi DOE . *Journal of Materials Engineering and Performance*, Vol.34, pp. 15179–15188 (2025).
6. Shivam aggarwal, **Krishan Kumar and M.L aggarwal**; Sandwich composite material analysisfor its applications in electric rickshaw leaf spring . *mechanics based design of structure and machines.*, Vol.53, pp. 3777-3802 (2024).
7. Sandeep Ravish, Baldev Setia, Surender Deswal, **Vishal Puri, Bhupinder Singh**, Kuldeep Sharma, Ashokkumar Yadav; Improving the estimation precision of the mapping of groundwater salinity by employing the Indicator Kriging Technique . *Applied water science*, Vol.15, pp. 1–31 (2025).
8. Shivam aggarwal, **Krishan Kumar and M. L aggarwal**; Analysis of glass fiber-reinforced composite leaf springs in a light commercial vehicle . *scientific reports*, Vol.14, pp. 1–16 (2024).
9. Vimlesh Kumar Ojha, **Sanjeev Goyal, Mahesh Chand**, Ajay Kumar; Developing Novel Deep Learning Models for Automated Quality Inspection in Casting . *International Journal of Metalcasting* , Vol. 19 , pp. 3430–3444, ( 2025 ).

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

Sr. No.	Particulars	Dates Duration	Beneficiary Count
1	Expert Lecture on Introduction to Ancient Indian Technologies in different fields	28.08.2024	45
2	Expert Lecture on Project Report Writing	04.09.2024	60
3	Expert Lecture on Delivered on (Non-conventional Machining Processes)	11.11.2024	35
4	Expert Lecture on Thermal Power Plant	12.11.2024	59
5	Expert Lecture on Advancement in Automobile	19.11.2024	54
6	Expert Lecture on Super Critical CO2 Refrigeration System	20.11.2024	51
7	Expert Lecture on CNC Technology	27.11.2024	31
8	Expert Lecture on In-situ Monitoring of Delamination in CFRP Laminates during Drilling using Electrical Impedance Method	19.03.2025	120
9	Expert Lecture on Intellectual Property in New Product Development	04.04.2025	45

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

Sr. No.	Particular	Number
1	STCs/STPS	9
2	Workshops	2
3	Conferences	1
4	FDPs	3

## 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. Sanjeev Goyal Mr. Ajay Kumar	System for Controlling a Laser-processing Operation for Surface Modification of a Workpiece	16.12.2024	Controller General of Patents, Design and Trade Marks	Granted
2	Dr. Sanjeev Goyal, Dr. Nitin Panwar, Dr. Rajesh Attri & Mr. Naman Rathi	Solar Thermochemical Reactor for Efficient Hydrogen Production via Water	28.11.2024	Controller General of Patents, Design and Trade Marks	Granted
2	Dr. Sanjeev Goyal, Dr. Nitin Panwar, Dr. Rajesh Attri & Mr. Naman Rathi	Solar Thermochemical Reactor for Efficient Hydrogen Production via Water	28.11.2024	Controller General of Patents, Design and Trade Marks	Granted
3	Dr. Sanjay Kumar, Dr. Sanjeev Goyal	Manually Operated Agriculture Waste Briquetting Machine	27.09.2024	Controller General of Patents, Design and Trade Marks	Granted
4	Dr. Bhupinder Singh, Dr. Nitin Panwar & Dr. Rajesh Attri	Smart Thermal Management System for High-Performance Mechanical Components	03.06.2025	Controller General of Patents, Design and Trade Marks	Granted

## 9 Details of Industrial/Site Visits organized

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1	Industrial Visit to Victora Industries, plot no.1146, sector 58 Faridabad	26.11.2024	Sh. Surender Singh	45
2	Industrial Visit to VEE Gee Industries, Faridabad	08.04.2025	Dr. O P Mishra	36

## 10 Sponsored R & D Projects

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount (In Lacs)
1	Dr. Bhupinder Kumar	design and analysis of a novel desalination system with N series connected evacuated tube collector	DST Haryana	2024-25	20
2	Dr. Rajeev Kumar Saha	design and development of vertical axis wind turbine (VAWT)	DST Haryana	2024-25	15
3	Dr. Rohit Tripathi/Dr. Nikhil Dev	smart photovoltaic thermal (PVT) bench with charging station for Evs	DST Haryana	2024-25	22
4	Dr. Krishan Kumar	indian sign language recognition using EMG based smart watch	DST Haryana	2024-25	12

**11 List of Consultancy Projects Completed**

- NIL

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

- Om Parkash [Supervisor - Dr. Arvind Kumar]  
Title: Modeling And Simulation of Commercial Slurry Flow Through Pipeline Systems

**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 Mahesh Chand	Officer training Academy Kamptee, Nagpur	Commissioned as Lieutenant in Indian Army for NCC	14-10-2024

**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	B.Tech (Mechanical Engineering)	144	133	15.56 LPA	5.38 LPA
2	B.Tech (Robotics & AI)	31	21	10 LPA	8.5 LPA

**15 Major Recruiters**

Amazon Business - Tech (F), Flipkart, Honda Cars India Ltd HCIL, Dabur, Mc dermott, Weskill Edutech Private Limited , Triumph Motorcycles india Pvt Ltd , LaunchEd Global, Mahindra and Mahindra Limited , Academor, Havells, Shubham Flexible Packaging Machines Pvt Ltd , Avant Garde Clenroom & Engg. Solution Pvt. Ltd, InternElite Edutech , Tak Technologies Pvt. Ltd, Denso International India Pvt Ltd , Sms India Pvt Ltd

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

NIL

**17 Higher Education data of students****PG Students**

Sr. No.	Student's Name	Name of Exam	Roll Number	Percentile Score
1	Tannu	GATE	ME25S38022118	442
2	Rahul	GATE	DA25S53006222	413
3	Ayush Kumar Mishra	CAT	24270166	99.84
4	SARTHAK DWIVEDI	GATE	ME25S33008027	331
5	PRIYANSHU SEHRAWAT	CAT	24146188	93.49

**UG Students**

Sr. No.	Student's Name	Name of Institution	Program Enrolled
1	MOHD AFFAN	JMI, New Delhi	M.Tech.

**18 Faculty served as Invited Speaker/Chair/Resource Person****Dr. Shefali Trivedi**

- Delivered Expert Lecture on Introduction to Ancient Indian Technologies in different fields

**Dr. O.P. Mishra**

- Delivered Expert Lecture on Project Report Writing

**Dr. Sanjay Kumar**

- Delivered Expert Lecture on Non-conventional Machining Processes

**Dr. Nitin Panwar**

- Delivered Expert Lecture on Thermal Power Plant

**Dr. Bhupender Singh**

- Delivered Expert Lecture on Advancement in Automobiles

**Prof Arvind Kumar**

- Delivered Lecture on Super Critical CO2 Refrigeration System

**Dr. Rajesh Attri**

- Delivered Expert Lecture on CNC Technology

**Prof. M.L.Aggarwal**

- Delivered Lecture on Intellectual Property in New Product Development

**19 Faculty serving as Editors/Members of Editorial Boards****Dr Mahesh Chand**

- Member of Editorial Board, International Journal of Mechanical & Industrial Engg

**Dr Krishan Kumar**

- Reviewer, International Journal of Computer Aided Engineering and Technology

## DEPARTMENT OF ELECTRICAL ENGINEERING

**Chairperson: Prof. Anju Gupta till 30.04.2025**  
**Prof. P R Sharma Since 01.05.2025**

### 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	Anju Gupta	Ph.D.	Professor	Power System	15-01-2007
4	Sakshi Kalra	Ph.D.	Associate Professor	Power System	14-01-2008
5	Yogendra Arya	Ph.D.	Associate Professor	Power System	06-04-2021
6	Rashmi Agarwal	Ph.D.	Associate Professor	Power System	28-07-2008
7	Nitin Goel	Ph.D. (Pursuing)	Assistant Professor	Power System	10-01-2007
8	Shakuntla	Ph.D.	Assistant Professor	Power System and Drives	10-01-2007
9	Anubha Gautam	Ph.D.	Assistant Professor	Power System and Drives	17-02-2011
10	Shipra Aggarwal	Ph.D. (Pursuing)	Assistant Professor	Power System and Drives	10-02-2012
11	Satvinder Singh	Ph.D. (Pursuing)	Assistant Professor	Power System and Drives	04-05-2012
12	Atma Ram	Ph.D.	Assistant Professor	Power System and Drives	28-02-2014

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
13	Rachna	Ph.D. (Pursuing)	Assistant Professor	Power System and Drives	01-03-2014
14	Abhinav Saxena	Ph.D.	Assistant Professor	Power System and Drives	20-07-2024
15	Bharti Thakur	Ph.D.	Assistant Professor (C)	Power System and 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	20
2	Publications in National Journals	–
3	Papers presented at International Conferences	02
4	Papers presented at National Conferences	–

### 5 List of Publications

1. **Nitin Goel**, N. K. Yadav ; Sustainable microgrid operations: multi-objective hybrid optimization for combined economic emission dispatch . *Electrical Engineering (Springer Nature)* , Vol. 107 , pp. 8031-8044 ( 2025 ).
2. **Nitin Goel**, N. K. Yadav ; Hybrid Optimisation Strategy Based Economic Emission Dispatch for Microgrid . *Int. J. of Ind. and Sys. Engg.* , Vol. 50 , pp. 164-190 ( 2025 ).
3. **Sakshi Bangia** ; Energy optimization control design using deep tensor direct based convolution neural network for hybrid vehicles . *Australian journal of electrical and electronics engg.* , Vol. , pp. online ( 2025 ).
4. P. Singal, **S. Boora**, P.Singhal ; Design and Simulation of Super-Capacitor Battery Energy Storage System with Energy Management System . *J. Inst. Eng. India Ser. B* , Vol. , pp. ( 2025 ).
5. S. Rangi, S. Jain, and **Y. Arya** ; Utilization and performance comparison of several HESS with cascade optimal-FOD controller for multi-area multi-source power system under deregulated environment . *Journal of Energy Storage* , Vol. 94 , pp. ( 2024 ).
6. V. Kumar, V. Sharma, R. Naresh, and **Y. Arya** ; A novel predictive optimal control strategy for renewable penetrated interconnected power system . *Optimal Control Applications and Methods* , Vol. 45 , pp. 2190–2205 ( 2024 ).
7. **Y. Arya** and K. Singh ; A SSA-based CFFOPID drop deloaded tidal turbine controller using HVDC-link . *ISA Transactions* , Vol. 153 , pp. 306–321 ( 2024 ).

8. D. Khamari, R. K. Sahu, S. Panda, and **Y. Arya** ; A mMSA-FOFPID controller for AGC of multi-area power system with multi-type generations . *Sustainable Computing: Informatics and Systems* , Vol. 40 , pp. ( 2024 ).
9. V. Kumar, V. Sharma, A. V. P. Kumar, **Y. Arya**, and S. Chikkam ; A state-of-the-art review on concurrent voltage and frequency regulation problems in renewable-integrated power networks . *Energy Sources Part A-Recovery Utilization and Environmental Effects* , Vol. 47 , pp. 16-49 ( 2025 ).
10. Y. Xia, K. Xiao, J. Cao, R.-E. Precup, **Y. Arya**, H.-K. Lam, and L. Rutkowski ; Stochastic neural network control for stochastic nonlinear systems with quadratic local asymmetric prescribed performance . *IEEE Transactions on Cybernetics* , Vol. 55 , pp. 867–879 ( 2025 ).
11. Y. Gopal, A. Kumari, K. P. Panda, D. K. Dhaked, and **Y. Arya** ; Implementation and analysis of switched-capacitor multilevel inverters in solar photovoltaic system . *"Sustainable Energy Technologies and Assessments"* , Vol. 75 , pp. ( 2025 ).
12. Sagar, **Y. Arya**, P. Singhal ; Energy efficient green building design utilising renewable energy and low-carbon development technologies . *Science and Technology for Energy Transition* , Vol. 80 , pp. ( 2025 ).
13. R. Ahmad, **Y. Arya**, M. F. Ahmer, and I. Nasiruddin ; "Enhanced frequency/voltage control in multi-source power system using CES and SSA-optimized cascade TID-FOPTID controller . *IETE Journal of Research* , Vol. 71 , pp. 652–667 ( 2025 ).
14. S. N. Sahu, R. K. Khadanga, **Y. Arya**, and S. Panda ; Analysis of ultra-capacitor and plug-in electric vehicle for frequency regulation of a distributed power generation system utilizing novel modified gorilla troops optimizer algorithm . *Electrical Engineering* , Vol. 107 , pp. 2521–2534 ( 2025 ).
15. M. Kaur, S. Dhundhara, Y. P. Verma, S. Chauhan, and **Y. Arya** ; Impact of anaerobically digested pretreated crop residue on performance and economics of solar photovoltaic-biomass microgrid system . *Sustainable Energy Technologies and Assessments* , Vol. 76 , pp. ( 2025 ).
16. **Abhinav Saxena**, Rajat Kumar, Mohammad Amir, Atif Iqbal, Talal Alharbi ; A novel development of h-CSLQFL controller for optimal sizing and economic pricing of battery in electric vehicle system . *Energy Reports, Elsevier* , Vol. 12 , pp. 1474-1487 ( 2024 ).
17. "Md. Abul Kalam; **Abhinav Saxena**; Md. Zahid Hassnain; Amit Kumar Dash; Jay Singh; Gyanendra Kumar Singh" ; "An explicit investigation in demand side management based on artificial intelligence techniques" . *IEEE Access* , Vol. , pp. ( 2024 ).
18. **Abhinav Saxena**, Md. Abul Kalam, Gyanesh Singh & **Yogendra Arya** ; An Accurate Fault Identification, Measurement and Protection in Radial Power System Network Using a New Hybrid Bell Algorithm . *springer MAPAN* , Vol. 40 , pp. 667-982 ( 2025 ).
19. Anubha Gautam, **Rachna Dhir** ; Economizing Generation Cost by Alleviating Congestion in DPS Employing FACTS Devices . *IJEEE* , Vol. 11 , pp. 65-75 ( 2024 ).
20. **Shipra Jain, Rajesh Kr. Ahuja, Anju Gupta** ; Nonlinear adaptive feedback linearisation-based backstepping controller design for islanded DC microgrid . *International Journal of Power Electronics* , Vol. 21 , pp. 195-229 ( 2025 ).

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

Sr. No.	Particulars	Dates and Duration	Beneficiary Count
1	one-week Faculty Development Program' (FDP) on "Operation and Control of Electrical System towards Sustainability and Reliability"	03.03.2025- 07.03.2025 (5 Days)	20
2	Expert Lecture On "Electric Vehicle Technologies" by Mr. Alok Ranjan, Sofcon India Pvt. Ltd.	07.11.2024	65
3	Expert Lecture On "Applications of Artificial intelligence in Electrical Engineering" by Dr. Rajneesh Sharma Chairman, Dept. of I & CE , NSUT, Delhi	27.09.2024	50
4	Expert Lecture On "Three Secrets About Electric Vehicles" by Mr. Vinod Chaudhary, Managing Director ,Elite Auto Engineers Private Limited	06.08.2024	75

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

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

## 8 Patents Published/ Granted during the year

Sr. No.	Name of Faculty	Patent Title	Date of Award	Patent Granting Body	Status (Published/Granted)
1	<b>Dr. Shakuntla Dr. Nitin Goel</b>	Solar Powered Wheelchair	09.04.2025	Controller General of Patents, Design and Trade Marks	Granted
2	Lalit Rai, <b>Atma Ram, Nitin Goel</b> , Prashant Kumar	IoT-Based Organic Waste Composting Machine	10.02.2025	Controller General of Patents, Design and Trade Marks	Granted

## 9 Details of Industrial/Site Visits organized

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinators	No. of Students
1	Industrial Visit to INNOVIC ENERGY LLP, NOIDA, (UP)	24.04.2025	Dr. Sakshi Kalra	56
2	Industrial Visit to Super Tech Engineers, Bhiwadi(Rajasthan)	09.04.2025	Dr. Anju Gupta	52

## 10 Sponsored R & D Projects

NIL

**11 List of Consultancy Projects Completed**

NIL

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

- **Atma Ram** [Supervisor - Dr. P. R. Sharma. Dr. Rajesh Kr. Ahuja ]  
Title: Control Aspects of DSTATCOM for Power Quality Improvement.

**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	Stanford University, USA/Elsevier	Top 2% of Researchers in the World	
2	Dr. Yogendra Arya	Research.com	Best Scientists in the field of Electronics and Electrical Engineering	04.09.2025
3	Dr. Yogendra Arya	Springer Nature	Springer Nature Editorial Contribution Award 2025	29.05.2025

**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 (Electrical Engineering)	45	44	13,52,000	650,000

**15 Major Recruiters**

Edge Motion Controls Pvt. Ltd, Havells Pvt. Ltd., JBM Electric Vehicle Pvt. Ltd., Falcon Autotech Pvt. Ltd., Accenture, Denso International.

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

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	Digital Storage Oscilloscope	2,20,000/-	04.03.2025
2	EV Machine Cut-out Section Work Bench	2,29,950/-	20.06.2025
3	2-Wheeler Electric Vehicle Training Workbench (Open Chassis-2W)	2,83,500/-	20.06.2025
4	2-Wheeler Electric Vehicle Training Workbench (Hero Vida)	3,04,500/-	20.06.2025
5	2-Wheeler Assembly Kit fpr Prototyping and Projects	52,500/-	20.06.2025

**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. Abhinav Saxena	Expert lecture on Optimal Control of Renewable Energy-Based Electrical Vehicle System Using Artificial Intelligence and Machine Learning	Ganga Institute of Technology & Management, Jhajjar, Haryana	07.01.2025

**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

**Dr. Abhinav Saxena**

- Editor in Scientific Report (Springer Nature)

## DEPARTMENT OF ELECTRONICS ENGINEERING

**Chairperson: Prof. Pradeep Kumar Dimri (Till 26.11.2024)**  
**Prof. Munish Vashishath (Since 27.11.2024)**

### 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 M.Tech. in VLSI Design
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	06.07.2004
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	14.01.2008
6	Preet Kaur	Ph.D.	Associate Professor	Microwave & Antenna Device	28.07.2008
7	Rashmi Chawla	Ph.D.	Associate Professor	VLSI Design, IoT, Photovoltaic Devices	10.08.2008
8	Prashant Kumar	Ph.D.	Associate Professor	VLSI Design	15.08.2008
9	Dushyant Shukla	Ph.D.	Assistant Professor	Signal Processing	29.07.2004
10	Archana Agarwal	M.Tech.	Assistant Professor	Image Processing	31.08.2004
11	Bal Krishan	Ph.D.	Assistant Professor	Nano Electronics	03.01.2006

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
12	Bharat Bhushan	M.Tech.	Assistant Professor	Electronics Engineering	10.08.2006
12	Nitin Sachdeva	Ph.D.	Assistant Professor	VLSI Design	10.01.2007
13	Priyanka	Ph.D.	Assistant Professor	Communication Engineering	24.01.2007
14	Sangeeta Dhall	Ph.D.	Assistant Professor	Network Security, Image Processing, Embedded System	25.01.2007
15	Neetu Gupta	Ph.D.	Assistant Professor	Computer Vision, Sensors and IoT	09.02.2007
16	Sonam Khatter	Ph.D.	Assistant Professor	Wireless Sensor Networks	09.09.2008
17	Gunjan Sardana	M.Tech.	Assistant Professor	Communication Engineering	01.01.2009
18	Kalpna Sheokand	Ph.D.	Assistant Professor	Signal Processing	26.08.2009
19	Lalit Rai	Ph.D.	Assistant Professor	Control System	01.09.2009
20	Sunil Jadav	Ph.D.	Assistant Professor	VLSI Design & Automation	14.02.2011
21	Rohit Tripathi	Ph.D.	Assistant Professor	IoT	08.04.2021
22	Archana Aggarwal	Ph.D.	Assistant Professor	Communication Engg.	10.10.2008
23	Manju Kumari	Ph.D.	Assistant Professor	Image Processing	21.03.2012
24	Vinod Rathor	M.Tech.	Assistant Professor	Control System	10.01.2007
25	Nisha Yadav	M.Tech.	Assistant Professor (C)	VLSI Design	14.02.2017
26	Prasoon Sharma	Ph.D.	Guest Faculty	Electronics, Instrumentation and Vedic Yoga	03.08.2018
27	Renu Goyal	M.Tech.	Guest Faculty	Electronics and Communication	14.11.2022
28	Manju Dagar	M.Tech	Guest Faculty	Electronics	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	10
2	Publications in National Journals	–
3	Papers presented at International Conferences	29
4	Papers presented at National Conferences	–

### 5 List of Publications

1. Naresh Kumar, **Pradeep Kumar** and M. Sharma, Embedded system controlled switching system for reconfigurable antennas. *Internet Technology Letters*, 8(3), p.e561 (2025).
2. Rani, Pratibha, **M. K. Arti, and Pradeep Kumar Dimri**. Channel estimation and signal detection for massive MIMO under 5G communication." *Computer Networks and Communications*, pp. 340-360 (2024).
3. Sandeep Rangi, **Sheilza Jain**, & Yogendra Arya, Utilization and performance comparison of several HESSs with cascade optimal-FOD controller for multi-area multi-source power system under deregulated environment. *Journal of Energy Storage*. Vol. 94, 112469 (2024).
4. Ritika Thusoo, **Sheilza Jain** & Sakshi Bangia . Low-cost and Efficient Quadrotor for Medicine Delivery and IoT based Air Quality Monitoring: Quadrotor for Medicine Delivery & IoT Based Air Quality Monitoring, *Journal of Scientific & Industrial Research (JSIR)*, Vol. 83 No. 10, pp. 1104-1113 (2024)
5. Neeraj Gupta, Rashmi Gupta, Rekha Yadav, **Prashant Kumar, and Lalit Rai**, A temperature dependent analytical model & performance evaluation of triple-material dielectric-pocket gate-all-around MOSFET, *Discover Applied Sciences*. Vol. 6, no. 12, pp. 670 (2024).
6. Priyanka, Sonia Bansal and **Preet Kaur**. A review on microstrip patch antenna sensors: Agriculture, environment, health care and IoT applications. *WSEAS Transactions on Communications* Vol. 23, pp. 149-169 (2024).
7. **Nisha Yadav, Sunil Jadav** and Gaurav Saini, Steep subthreshold swing Double-Gate tunnel FET using source pocket engineering: Design guidelines, *Micro and Nanostructures*. Vol. 195 pp. 207951 (2024).

8. **Preet Kaur**, Cylindrical Rods Artificial Dielectric Material Inspired Sub-wavelength and Directive Microstrip Antenna, *WSEAS Transactions on Communications*, Vol. 23 pp. 128-136 (2024).
9. Priyanka, Sonia Bansal, **Preet Kaur**, CSRR based microstrip patch antenna sensor for the analysis of water and milk quality, *Indian Journal of Engineering and Materials Sciences (IJEMS)*. Vol. 32 No. 01, pp. 122-130 (2025)
10. **Nisha Yadav, Sunil Jadav** and Gaurav Saini, Linearity performance and harmonic distortion analysis of gate-over-pockets hetero-dielectric dual-metal-double-gate TFET for RF applications, *Micro and Nanostructures*, Vol. 199 pp. 208074 (2025).
11. Mehak Yadav, **Neelam Turk**, Sanjay Kumar Swami, Amanpal Singh, Vikrant Singh Rao, Neha Chaturvedi, Dinesh Kumar, and Anuj Kumar, Investigating impact of operating pressure of sputter deposited ZnO thin films for window layer in solar cells, *Physica Scripta* Vol. 100 no. 7 pp. 075945 (2025)
12. Reema Ganotra and **Shailender Gupta**, A deep learning approach for classification of Parkinson's disease using single photon emission computerized tomography, *Multimedia Tools and Applications* Vol. 84, no. 30, pp. 37557-37569 (2025).

## 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	Basic Bootcamp Programme on UAS & its applications	Training Program	22.7.2024-26.07.2024
3	Expert Talk on Energy Conservation Day	Expert Talk	14.12.2024
4	Recent Trends in Wireless Communication	Seminar	29.01.2025

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

Sr. No.	Particular	Number
1	STCs/STPS	–
2	Workshops	–
3	Conferences	29
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	Sheilza Jain	Autonomous Quadrotor System for Enhanced Navigation and Payload Delivery	30.08.2024	Patent Office, Govt. of India	Published
2	Nisha Yadav, Sunil Jadav	A Gate-over-pockets Hetero-dielectric Dual-metal Double-gate Tunnel Field-effect Transistor for Steep Switching	13.09.2024	Patent Office, Govt. of India	Published
3	Prashant Kumar Lalit Rai	Underwater Cleaning Device	08.05.2025	Patent Office, Govt. of India	Granted
4	Lalit Rai, Prashant Kumar	IoT based Organic Waste Composting Machine	22.05.2025	Patent Office, Govt. of India	Granted

## 9 Sponsored R & D Projects

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount (In Lakhs)
1	Dr. Rohit Tripathi	Smart Photovoltaic Thermal (PVT) bench with Charging Station for EVs	DST Haryana	2024-25	22

## 10 List of PhD completed in the Department

- **Ritika Thusoo** [Supervisor: **Dr. Sheilza Jain, Dr. Sakshi Kalra**]  
Title: Analysis and Control of Unmanned Aerial Vehicle for Path Planning Using IoT.
- **Lalit Kumar** [Supervisor: **Dr. Pradeep Kumar**]  
Title: Performance Analysis of Wireless System For IoT Application.
- **Mayank Nehra** [Supervisor: **Dr. Sheilza Jain**]  
Title: Analysis and Deployment of Solar Photovoltaic System for Sustainability.

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

Dr. Rohit Tripathi Published the Book on IoT and Machine Learning : A Comprehensive Guide for Smart Systems (AG Publishing House)

## 12 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.)	40	39	24 LPA	9.35 LPA
2	B.Tech. (Electronics and Communication Engg.)	55	55	17.3 LPA	7.13 LPA
3	B.Tech. (EE IoT)	46	35	15.5 LPA	7.10 LPA

## 13 Major Recruiters

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

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

NIL

**15 Higher Education data of students**

Sr. No.	Student's Name	Name of Exam	Roll Number	Percentile Score
1	Pragati	GATE	EC25S63008026	577
2	Ashutosh Kumar	GATE	EC25S63006083	228
3	Karan Preet Singh	CAT	EC25S63053257	362
4	Gandharva Kashyap	GATE	EC25S63008028	422
5	Rajnish	GATE	EC25S63006039	334

**16 Academic and Extension activities**

- Basics of Home Appliances Training Program for University's Technician and Employee of Godrej during 29.07.2024-02.08.2024
- Training Program for Students Community College of Skill and Development on Home Appliances Products by Godrej during 25.10.2024- 26.10.2024

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

Sr. No.	Name of Faculty	Topic	Venue	Date
1	Rohit Tripathi	Keynote Speaker	J S University, Shikohabad , Uttar Pradesh	26.10.2024
2	Rohit Tripathi	Introduction of IoT and its Application	Allenhouse Business School	04.11.2024
3	Pradeep Kumar Dimri	Embedded System & Design	Echelon Institute of Technology, Faridabad	06.09.2024
4	Pradeep Kumar Dimri	What Money Can't Buy : The Best Investment in Life	JCBoseUST, YMCA, Faridabad	05.09.2024
5	Shailender Gupta	Session Chair, FERWA 2025	JCBoseUST, YMCA, Faridabad	21.02.2025

**18 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. Preet Kaur**

- Frontier in antenna and propagation Journal

**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 (Till 10.08.2024)**

**Prof. Raj Kumar (Since 11.08.2024)**

### 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	Meenakshi	Ph.D.	Assistant Professor	Transportation Engineering	25.03.2025
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	Akriti	M.Tech	Assistant Professor	Construction Technology and Management	25.03.2025

### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Suman	Assistant	MA	06.05.2024
2	Subhash	Peon	10th	08.10.2018

#### 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	2
4	Papers presented at National Conferences	–
5	Book/Book Chapters	2

#### 5 List of Publications

- i **Vishal Puri & Sandeep Ravish**, Review of Non-potable Water Applications for Sustainable Concrete Development , *International Conference on Environmental Geotechnolgy, Recycled Waste Materials and Sustainable Engineering*, Springer Nature Singapore, pp. 119-135, (2024)
- ii **Sandeep Ravish & Vishal Puri** , A Critical Review of Used Polymers in the Soil Stabilization: The Global Experiences and Future Perspective, *International Conference on Environmental Geotechnolgy, Recycled Waste Materials and Sustainable Engineering*, Springer Nature Singapore, pp. 105-117, (2024)

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

Sr. No.	Particulars	Dates Duration	Beneficiary Count
1.	Expert lecture on ‘Lean Start-up and Minimum Viable Product/Business – Boot Camp (or) Mentoring Session’	13.10.2024	75
2.	Expert lecture on ‘Entrepreneurship Skill, Attitude and Behavior Development’	09.12.2024	75
3.	Workshop on Prototype/Process Design and Development	09.05.2025	70

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

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

#### 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	Industrial Visit at NICMAR, Bahadurgarh, Haryana (Delhi-NCR Campus)	18.02.2025	Dr. Ashish Agarwal and Mr. Yogesh Morya	67
2	Industrial Visit at NCB International Conference & Exhibition on Cement, Concrete and Building Materials at IICC Dwarka, New Delhi	28.11.2024	Dr. Ashish Agarwal and Dr. Sandeep Ravish	35

## 10 Sponsored R & D Projects

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount
1	Dr. Sandeep Ravish	Design and Analysis of a Novel Desalination System with N-Series Connected Evacuated Tube Collector	Haryana State Council for Science, Innovation and Technology (HSCSIT), DST, Govt. of Haryana	2025	20 Lac
2	Dr. Ashish Agarwal (PI) and Mr. Yogesh Kr. Morya (Co PI)	Fiber Enhanced Self-Compacting Concrete for 3D Concrete Printing: Innovating Sustainable Construction	University Seed-Money Research Grant, JCBUST, YMCA, Faridabad 2 years	2025	1.4 Lac

## 11 List of Consultancy Projects Completed

Sr. No.	Name of the Industry	Faculty Coordinator	Awarded Year	Duration	Amount
1	Vetting of Structural Design for Satish Kumar Mathur and Associates, New Delhi	Dr. Ashish Agarwal and Mr. Yogesh Kr. Morya	2024	1 Months	15,000/-
2	Compressive Strength determination of samples from Panchyati Raj, Public Work Circle, Faridabad	Mr. Yogesh Kr. Morya and Dr. Ashish Agarwal	2024	1 Month	30,000/-
3	Compressive Strength determination of samples from Panchyati Raj, Public Work Circle, Faridabad	Mr. Yogesh Kr. Morya and Mr. Vivek Rawat	2024	1 Month	45,000/-

4	Compressive determination of samples from Panchyati Raj, Public Work Circle, Faridabad	Strength	Mr. Yogesh Kr. Morya	2025	15 Days	20,000/-
5	Compressive determination of samples from Panchyati Raj	Strength	Mr. Yogesh Kr. Morya	2025	20 Days	10,000/-

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

Sr. No.	Name of Faculty	Name of Awarding Agency(s)	Name of Award	Date
1.	Dr. Sandeep Ravish	J C BUST, YMCA	Research Award	2024

## 13 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

## 14 Major Recruiters

Aquagreen Pvt. Ltd.

## 15 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

## 16 Prestigious Exams Cleared by the students

Two Students namely Ketan Sharma (Score 784) and Abhishek (Score 378) cleared GATE-2025 exams .

## 17 Academic and Extension activities

Sr. No.	Name of Industry	Date	Faculty Coordinator	No. of Students
1	Industrial Visit at NICMAR, Bahadurgarh, Haryana (Delhi-NCR Campus)	18.02.2025	Dr. Ashish Agarwal and Mr. Yogesh Morya	67
2	Industrial Visit at NCB International Conference & Exhibition on Cement, Concrete and Building Materials at ICC Dwarka, New Delhi	28.11.2024	Dr. Ashish Agarwal and Dr. Sandeep Ravish	35

**18 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
2	Invited Talks on- Power House Construction & Civil Engineering work	Mr. Yogesh Kr. Morya	26.10.2024	National Power Training Institute, Badarpur, New Delhi, Ministry of Power, Govt. of India
3	Invited Talks on- Soil Mechanics & Geotechnical Challenges	Dr. Ashish Agarwal	26.10.2024	National Power Training Institute, Badarpur, New Delhi, Ministry of Power, Govt. of India

**19 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

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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 (IASSSF, 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)
3	Dr. Vishal Puri	Reviewer of Journal of Heritage (Publisher MDPI) Journal of Waste and Resource Management – (Publisher Emerald)

# **Faculty of Informatics and Computing**

## DEPARTMENT OF COMPUTER ENGINEERING

**Chairperson: Prof. Atul Mishra (11.04.2022 - 10.04.2025)**

**Prof. Ashutosh Dixit ( 11.04.2025 - Till Date)**

### 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	Minor Degree in Blockchain Minor Degree in 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.	Associate Professor	Information Retrieval, Machine Learning, Deep learning	10.01.2007
14	Poonam	Ph.D.	Associate Professor	Opportunistic Network, Game Theory, Fuzzy Inference System, Advanced Algorithms, MANET, Blockchain Technology	01.08.2007
15	Deepika Punj	Ph.D.	Associate Professor	Internet Technologies, Machine Learning, Computer Vision	14.01.2008
16	Payal Gulati	Ph.D.	Associate Professor	Information Retrieval, Machine Learning, Data Analytics, Computer Vision	14.01.2008
17	Amita Arora	Ph.D.	Associate Professor	Machine Learning, Computer Vision, Deep Learning	28.07.2008
18	Ashlesha Gupta	Ph.D.	Associate Professor	Internet Technologies, Information Retrieval, Computer Networks, Machine Learning	10.09.2008
19	Preeti Sethi	Ph.D.	Associate Professor	Wireless Sensor Networks, Machine Learning, Data Science	10.09.2008
20	Rashmi Popli	Ph.D.	Associate Professor	Software Testing, Agile Software Development, Security, Software Engineering	06.02.2009
21	Sonali Gupta	Ph.D.	Associate 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.	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.	Assistant Professor	Big Data, Online Marketing	06.03.2017
28	Shilpi	M.Tech.	Assistant Professor	Computer Vision	02.08.2018
29	Raveena Aggarwal	M.Tech.	Assistant Professor	Cloud Computing, Big Data	02.08.2018
30	Yojana	M.Tech.	Assistant Professor	Machine Learning, Data Mining, Block Chain	06.10.2022
31	Rachna	M.Tech.	Assistant Professor	Wireless Communication and Network Security	05.12.2022
32	Dimple Chehal	M.Tech.	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)	29.09.2006
2	Jitender Taneja	Head of Section (IT)	MCA	26.03.2012
3	Ankit Pannu	System Analyst cum Programmer	M.Tech.(CE)	27.11.2018
4	Mukesh Kumar Garg	Sr. Instructor (CE)	Ph.D.	19.10.1993
5	Mohan Singh	Sr. Instructor (IT)	AMIE, Diploma(CE)	26.03.2012
6	Sanjay Kumar	Instructor (CE)	B.E.	23.01.2008
7	Krishan Bhardwaj	Instructor(CE)	AMIE, Diploma(CE)	08.07.2013
8	Himanshu	Technician	BCA	16.10.2019
9	Bharat	Technician	Diploma (Comp. Networking)	16.02.2022
10	Anshul Mangla	Lab Assistant	M.Tech.(Mech)	22.01.2024

#### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	9
2	Publications in National Journals	–
3	Papers presented at International Conferences	12
4	Papers presented at National Conferences	–

#### 5 List of Publications

1. R. Kumar and R. Sharma ; AI-driven dynamic trust management and blockchain-based security in industrial IoT. *Computers and Electrical Engineering* , Vol. 123 (2025).
2. A.Gupta ; Exploring Edge Computing and Cloud Computing: A comparative study of features and applications. *International Journal of Applied Mathematics* , Vol. 38, pp. 994-1014 (2025).
3. A.Gupta ; Role of Generative AI Towards Education and Learning: Present & Future. *TPM*, Vol. 32, pp. (2025).
4. S. Gupta, A. Mishra ; Design and implementation of Adaptive filtering-based recommendation systems for maximizing Publisher-side revenue. *Multimedia Tools and Applications* , Vol. 84, pp. 33353–33380 (2025).
5. D. Punj ; DeepVideoDehazeNet: A Comprehensive Deep Learning Approach for Video Dehazing Using Diverse Datasets. *International Journal of Mathematical, Engineering and Management Sciences*, Vol. 10, pp. 1100-1122 (2025).
6. D. Punj ; Combined light and dark priors over variational auto-encoder (CLDP-VAE) for single image dehazing. *International Journal of Information Technology* , Vol. 17, pp. 975-985 (2025).
7. P. Tomar, R. Joon, G. Kumar and Karthik P; A Reinforcement Learning Inspired Approach for Efficient Cognitive Radio Network Routing. *Recent Advances in Computer Science and Communications* (2025).
8. T. Sachdeva, L. M. Goyal, M. Mittal; Mapping the Landscape of Personalization: A Comprehensive Review of Prediction and Trends in Recommendation Systems. *WIREs Data Mining and Knowledge Discovery*, Vol. 15 (2025).
9. J. Nanwal, P. Sethi ; An ensemble framework for crop prediction based on soil's physical and chemical properties using grasshopper optimization algorithm (GOA). *International Journal of Information Technology, Springer Nature Singapore*, Vol. 17, pp. 2841–2846 (2025).

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

Sr. No.	Particulars	Dates	Duration	Beneficiary Count
1	A One-Day Awareness Workshop with Mr. Sunny Tyagi was organised by the University Computer Centre and Digital Affairs Cell. The session focused on real-world cyber threats, preventive measures, and best practices to stay safe in the digital space.	24.09.2024	(01 Day)	200

2	Tech-Talk 4.0 was organised on 10th October, 2024. This was an insightful and inspiring tech talk by Mr. Parikh Jain, founder of ProPeers and an esteemed expert in the field, who shared valuable knowledge about the latest trends and challenges in technology.	10.10.2024 (01 Day)	250
3	Expert Lecture on Introduction to Support Vector Machines, delivered by Dr. Amita Arora.	24.10.2024 (01 Day)	56
4	Expert Lecture on Gen AI Revolution: Explore the Future with Azure delivered by Mr. Sourabh Taneja - Generative AI Lead in QualSight Pvt. Ltd	25.11.2024 (01 Day)	200
5	Expert Lecture on Exploratory Data Analytics and Knowledge Discovery, delivered by Dr. Neelam Duhan.	5.12.2024 (01 Day)	18
6	An insightful expert lecture on Cybersecurity was delivered by Dr. Sanjay Tyagi. This engaging session illuminated the critical importance of cybersecurity in today's rapidly evolving digital landscape. Dr. Tyagi, a renowned expert in the field, provided a comprehensive overview of real-world cyber threats.	20.03.2025 (01 Day)	200
7	Expert Lecture on Advancing Support Vector Machines with Optimization and Kernel Techniques, delivered by Dr. Amita Arora	24.04.2025 (01 Day)	82

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

Sr. No.	Particular	Number
1	FDPs	14
2	STCs/STPS	NIL
3	Workshops	01
4	Conferences	12

## 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. Rashmi Popli	AI-Powered Skin Patch	04.09.2024	UK Design	Granted
2	Dr. Rashmi Popli	Smart Fitness Tracking Band	07.10.2024	UK Design	Granted
3	Dr. Rashmi Popli	AI Powered Health Monitoring Ring	26.09.2024	UK Design	Granted
4	Dr. Shivi Garg	A Wearable Device for Child Safety	28.01.2025	Govt. of India	Granted

## 9 Details of Industrial/Site Visits organized

Department of Computer Engineering actively promotes industry exposure to help students connect academic learning with real-world applications. During the academic year, students visited several reputed organizations including Google, Maruti Suzuki India Ltd, Samsung, Honda Cars India Ltd, Adobe, Schneider Electric, Tata Consultancy Services, IBM India, HCL Technologies, Amazon India Ltd., and Accenture, among others. These visits/summer internships provided students with valuable insights into industrial operations, emerging technologies, and professional work culture. Interaction with industry experts helped students understand practical applications of their academic knowledge and enhanced their awareness of current industry practices and career opportunities. Such initiatives significantly contribute to preparing students for the professional environment.

## 10 Sponsored R & D Projects

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount (In Lakhs)
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	2020	6.55
2	Prof. Komal Kumar Bhatia, Dr Neelam Duhan	AICTE Research and Innovation Scheme	AICTE	2022	3.92

## 11 List of Consultancy Projects Completed

- Learning Management System Developed for NPTI Faridabad**, PI: Dr Shruti Mittal, CO-PI: Dr Deepika Punj, Dr Umesh, Mr Ankit Pannu (Amount 1351324/-) Duration: (1 June 2023 - 30 Dec 2025). The PMC provided consultancy and supervision for the development and implementation of the Learning Management System (LMS) at National Power Training Institute (NPTI). The objective of this consultancy was to support the institute in establishing an efficient digital learning platform to enhance teaching, training, and academic management. Overall, the PMC played a key role in providing consultancy, monitoring progress, and supporting the successful implementation of the LMS at NPTI, thereby contributing to the development of a modern and effective digital learning environment.
- Multi Decor India Private Limited**, Dr Rashmi Popli, Duration: 6 Months(Amount 10000/-) The consultancy assignment was undertaken in the area of Project Management for Multi Decor India Private Limited for various projects in the organization. The scope of the consultancy work included project planning and scheduling, which involved developing efficient project timelines, allocating resources effectively, and establishing realistic milestones. It also covered risk assessment and mitigation, where potential project risks were identified and proactive strategies were implemented to minimize their impact. In addition, process optimization was carried out to streamline project management processes, thereby enhancing overall efficiency and productivity. Quality assurance measures were also implemented to ensure that all project deliverables met the established quality standards and specifications. Furthermore, training and guidance were provided to the project management team to strengthen their skill sets and promote the adoption of best practices in project management.

## 12 List of PhD completed in the Department

- Ranjita Joon [Supervisor - Dr Parul Tomar ]  
Title: Optimal Path Selection In Cognitive Radio Networks
- Chandni Malhotra [Supervisor - Prof. Manjeet Singh ]  
Title: Context Aware Natural Language Interactive System
- Shikha Gupta [Supervisor - Prof. Atul Mishra ]  
Title: Strategies for Designing Online Marketing Platform Using Adaptive Data Analytic Techniques

## 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 Rashmi Popli	International Conference on Data Science and Communication-2024(ICTDsC-2024)	Best Paper Award	22-11-2024

## 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	B.Tech. CE	176	118	46.38 LPA	8.11 LPA
2	B.Tech. CEDS	69	41	17.3 LPA	10.50 LPA
3	B.Tech. IT	69	53	23.1 LPA	8.49 LPA

## 15 Major Recruiters

Google, Maruti Suzuki India Ltd, Samsung, Honda Cars India Ltd, Escorts Kubota Limited, Yamaha Motor India, Sony India Ltd., Adobe, Schneider Electric, Jindal Steel and Power Limited, STMicroelectronics Private Limited, Denso Haryana Pvt. Ltd., Carrier Airconditioning & Refrigeration Ltd., KPMG, Capgemini Technology Services India Limited, Panasonic Life Solutions, Dabur India Ltd., Indian Oil, Tata Consultancy Services, IBM India, Bennett Coleman & Company Ltd, Mahindra Defense Systems Limited, Havells India Limited, Amazon India Ltd., Cognizant, Nokia Networks, HCL Technologies, and Accenture.

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

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	Multi Function Printer(4)	84624	20-12-2024
2	Access Point(4)	23600	19-03-2025
3	PoE Switch(1)	12300	19-03-2025

## 17 Higher Education data of students

### PG Students

Sr. No.	Student's Name	Name of Exam	Roll Number	Percentile Score
1	Tushar	GATE	CS25S13006052	4194
2	Aditya Partap Saini	GATE	CS25S18000234	15205
3	Vanshika Aggarwal	GATE	CS25S18000265	21149
4	Srishti	GATE	CS25S23008007	14501
5	Srishti	GATE Data Sc.	DA25S53008102	7747
6	Kapil	GATE	CS25S23015078	15387
7	Praduman Singh	GATE	DA25S53008183	7747
8	Sheetal	GATE	DA25S53014298	3876
9	Rahul Kumar	GATE	GE25S63008002	432
10	Priyanshu Mittal	GATE	CS25S23006150	9703
11	Shivanand	GATE	DA25S53007038	9572
12	Yogesh	GATE	DA25S53008006	19845
13	Dwarkesh Aggarwal	CAT	–	99
14	Raghav Shandilya	CAT	24081849	98

### UG Students

Sr. No.	Student's Name	Name of Institution	Program Enrolled
1	Dhruv Mishra	IIT DELHI	M.Tech. in CSE (Cybersecurity)
2	Gourav Kumar	SKIET Kurukshetra	M.Tech. CSE
3	Saish Pandita	NMIMS, Bengaluru	MBA
4	Gurmeet	GJU, Hisar	M.Tech. CSE
5	Rahul Kumar	IIT Bhilai	M.Tech. in Data Science and AI
6	Yuvraj Singh	GJU, Hisar	M.Tech. CSE

## 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.

### Activities of students participation

- 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.
- Mysti-Quest, held on 8th October 2024, was a treasure-hunt-style team event where participants solved riddles and puzzles related to university spots to uncover the next clues. The event tested analytical thinking while promoting teamwork and collaboration.
- Gen AI Tales, organized as a part of DigiWeek 2K24 on 9th October 2024, provided participants with a unique platform to blend creativity with technology. In this exciting event, participants unleashed their imagination by crafting compelling stories supported by AI-generated visuals.
- Concept to Code, a coding contest organized on HackerEarth, was conducted in two stages—Round 1 on 5th October and Round 2 on 7th October. The event focused on enhancing participants logical thinking, coding skills, and creativity. Winners were selected from 1st, 2nd, and 3rd year students.
- Scratch Memory, held on 9th October 2024, was a memory-based challenge designed to test participants observational and recall abilities. In this engaging and intellectually stimulating event, a picture was displayed for 20 seconds, after which participants answered questions related to the image.
- BGMI Fest, held on 8–9 October 2024, was an adrenaline-packed gaming event where players competed in intense rounds of BGMI to claim the champion's title. The event attracted enthusiastic gamers from across the campus and was live-streamed by PSE Gaming.

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

#### Prof. Ashutosh Dixit

- Delivered the inaugural address as the Chief Guest at “Vivrti 2K25 EPOCH,” a techno-cultural fest at Aravali College of Engineering and Management, on 14 February 2025.

#### Dr. Parul Tomar

- Invited as a Keynote Speaker on the topic “Cloud Computing, Data Science Engineering” at Amity University, Noida on 16 January 2025.

#### Dr. Lalit Mohan Goyal

- Invited as a Keynote Speaker on the topic “Evolution of Smart City” at the Central University of Punjab, Bathinda on 18 January 2025.
- Invited as a Keynote Speaker on the topic “Documenting the Research” at IIT Dhanbad on 21 November 2024.

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

#### Prof. Ashutosh Dixit

- Editor, Member CSI, ISTE, Indian Science Congress Association

#### Dr. Neelam Duhan

- Editor, Member, ISTE Editorial Board, International Journal of Distributed and Cloud Computing, Publishing India

#### Dr. Parul Tomar

- Editor, Member, ISTE,IEI and IET

**Dr. Sapna Gambhir**

- Editor, Member, ISTE,CSI,IEEE,IAENG,IACSIT,ACM

**Prof. Naresh Chauhan**

- Editor, Member ISTE, CSI, IEEE

**Dr. Ashlesha Gupta**

- Editor, Member CSI

## DEPARTMENT OF COMPUTER APPLICATIONS

**Chairperson: Dr. Shilpa Sethi**

### 1 Programs offered by the Department

Sr. No.	Program Level	Name of Program
1	Under Graduate	3/4 Year BCA 3/4 Year B.Sc. Animation & Multimedia
2	Post Graduate	MCA M.Sc. Animation & Multimedia
4	Doctoral	Ph.D. in Computer Science & Applications

### 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.	Associate Professor	Computer vision, Artificial Intelligence, Fuzzy Logic	14.01.2008
4	Manvi	Ph.D.	Associate Professor	Information Retrieval, Internet & Web Technologies, Ontology, Big Data	14.01.2008
5	Vedpal	Ph.D.	Associate Professor	Software Testing, Object Technologies	03.08.2009
6	Arko Dey	MFA	Assistant Professor (C)	Animation, Fine Art, Visual Art, Film Making, Graphic Design, UI UX Design	03.08.2019
7	Aditya	M.Sc.	Assistant Professor (C)	Animation, Film Making	01.08.2018

8	Rajiv	M.Sc.	Senior Animator (C)	3D Animation	01.08.2020
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### 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Jitender Taneja	Head Of Section (IT)	MCA, Diploma(CE)	26.03.2012
2	Mohan Singh	Sr.Instructor (IT)	AMIE, Diploma(CE)	26.03.2012
3	Rashika	Instructor	M.Sc (Animation & Multimedia)	26.03.2013
4	Sangeeta	Instructor	BFA, Diploma(Commercial Art)	26.03.2014

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	04
2	Publications in National Journals	NIL
3	Papers presented at International Conferences	02
4	Papers presented at National Conferences	NIL

### 5 List of Publications

1. A. Bansal, R. Sharma, M. Kathuria; Diversity-regularized multi-objective optimized Random Forest for fall detection using cost-sensitive and key point feature-based learning. *Computers and Electrical Engineering*, Vol. 128 , pp. 110684 (2025).
2. Sushmita Singh, ManviSiwach; Evaluating diabetes dataset for knowledge graph embedding based link prediction. *Data and Knowledge Engineering*, Vol. 157 , pp. 102414 (2025).
3. Shikha Arora, Ved Pal, Naresh Chauhan; Polycystic Ovary Syndrome (PCOS) diagnostic methods in machine learning: a systematic literature review. *Multimedia Tools and Applications*, Vol. 84 , pp. 16301–16337 (2025).
4. Sonika, Ved Pal, Harish Kumar, Naresh Chauhan; A review of the software testing tools. *International Journal of Science and Research Archive*, Vol. 12 , pp. 2387-2392 (2024).

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

Sr. No.	Particulars	Dates Duration	Beneficiary Count
1	Expert Lecture on Quantative Reasoning	30-11-2024	37
2	Expert Lecture on Quantative Reasoning	07-12-2024	37

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

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

**8 Placement details of Students**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1	MCA	68	34	9.0 LPA	6.29 LPA
2	BCA	62	11	7.0 LPA	5.28 LPA
3	B.Sc. Animation and Multimedia	37	37	6.0 LPA	4.0 LPA
4	M.Sc. Animation and Multimedia	10	9	9.6 LPA	4.2 LPA

**9 Higher Education data of students****UG Students**

Sr. No.	Student's Name	Name of Institution	Program Enrolled
1	Priya	JCBUST, YMCA	MCA
2	Stuti Singh	JCBUST, YMCA	MCA
3	Anmol Upadhyay	JCBUST, YMCA	MCA
4	Vishal	JCBUST, YMCA	MCA
5	Roopsi Banga	JCBUST, YMCA	MCA
6	Dhairya Verma	JCBUST, YMCA	MCA
7	Avantika Singh	JCBUST, YMCA	MCA
8	Hemantt	JCBUST, YMCA	MCA
9	Shweta Yadav	JCBUST, YMCA	MCA
10	Sanjana	JCBUST, YMCA	MCA
11	Yogita	JCBUST, YMCA	MCA

12	Mansi	JCBUST, YMCA	MCA
13	Shahil Vaishnav	Mangalayatan University, U.P.	MCA
13	Sapna	JCBUST, YMCA	MCA
14	Riya Chabra	Narsee Monjee Institute of Management Studies, Mumbai	MBA
15	Trishant	Chandigarh University	MCA
16	Maniya	Manav Rachna International Institutions of Research and Studies	MCA
17	Gaurav	Gurugram university , Gurugram	MCA
18	Riya Sharma	JCBUST, YMCA	MSc (Animation & Multimedia)
19	Chirayu Parashar	JCBUST, YMCA	MSc (Animation & Multimedia)
20	Diya Bhardwaj	JCBUST, YMCA	MSc (Animation & Multimedia)

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

### Dr. Shilpa Sethi

- Session chair in International conference of Recent technological trends for sustainable development organised by IPEM, Gaziabad.

### Dr. Mamta Kathuria

- Panel discussion on voice on University Governance on 26th September 2025.

# **Faculty of Management Studies**

## DEPARTMENT OF MANAGEMENT STUDIES

**Chairperson: Dr. Rachna Agrawal (01.07.2024 - 24.04.2025)**

**Dr. Rajiv Sindwani (25.04.2025 - till date)**

### 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	18.05.2018
2	Manisha Goel	Ph.D.	Associate Professor	Finance and Consumer Behaviour	11.03.2011
3	Rachna Agrawal	Ph.D.	Associate Professor	Finance	10.09.2008
4	Rupali Madan	Ph.D.	Assistant Professor	Marketing	19.09.2008
5	Anushree Chahan	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 and General Management	07.08.2009
8	Rajiv Sindwani	Ph.D.	Associate Professor	Marketing	07.08.2009
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	02.04.2021
12	Arti Gupta	Ph.D.	Assistant Professor	Human Resource Management	15.04.2021
13	Vikas Kumar (C)	MBA	Assistant Professor	Marketing	18.07.2019
14	Dr Sanjiv Gupta	Ph.D.	Professor of Practice	Operations Management	21.10.2024
15	Prof Rakesh Kumar Mudgal	Ph.D.	Adjunct Faculty	Operations Management	24.01.2025
16	Dr Megha Arya (Guest)	Ph.D.	Assistant Professor	Marketing	18.11.2024
17	Dr Ritu Jain (Guest)	Ph.D.	Assistant Professor	Marketing	18.11.2024
17	Dr Archana (Guest)	Ph.D.	Assistant Professor	Finance	18.11.2024

### 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.	Ms. Mona	Peon	12th	01.05.2021

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	12
2	Publications in National Journals	19
3	Papers presented at International Conferences	13
4	Papers presented at National Conferences	02

### 5 List of Publications

1. S. Taneja; Understanding the Landscape of Gig-Workers' Well-Being: A Bibliometric Analysis. *International J. of Community Well-Being*, Vol. 7, pp. 617-633 (2024).
2. Rawal S., Madan R., Chawla J; Navigating corporate social responsibility in tourism: A bibliometric exploration. . *International Journal for Multidisciplinary Research (IJFMR)*. ISSN 2582-2160., Vol. 6, pp. 45671 (2024).
3. Rawal S., Madan R., Chawla J; A bibliometric mapping of green consumption research trends for a timeframe of 1993 to 2024. . *RBU Journal of Economics*, Vol. 17, pp. 52-65 (2024).
4. Kumar G. S., Fathima A. A., Raju, Madan R., Garg T., Munjal V.; Integrating AI with CRM Systems: Enhancing Customer Relationship Management Through Intelligent Automation. *Journal of Informatics Education and Research*, Vol. 4, pp. 3856-3862 (2024).
5. Mukherjee, T. Madan, R.; Psychographic Behavioral Background of Watching Hindi Web-Series on Over-The-Top Platforms. *Don Bosco Institute of Technology Delhi Journal of Research*, Vol. 1, pp. 46014 (2024).

6. Parveen Kumar, 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).
7. Megha Garg, Parveen Kumar; Harnessing digital technologies for triple bottom line sustainability in the banking industry: a bibliometric review. *Future Business Journal*, Vol. 10, pp. 45680 (2024).
8. Parveen Kumar, Anu; Effect of Leverage on Firm Profitability: A Study of Selected Nifty 50 Financial Services Firms.. *IUP Journal of Accounting Research & Audit Practices*, Vol. 23, pp. 75-86 (2024).
9. Parveen Kumar, Anu, Shabnam; Unravelling the path to retail CBDC adoption in India: insights from the technology acceptance model. *International Journal of Electronic Banking*, Vol. 5, pp. 62-76 (2025).
10. Parmod, Usha Arora, Farhat Akhtar, Parveen Kumar; A study of perceived store image and behavioural intentions of Indian grocery consumers: the mediating effect of satisfaction. *International Journal of Indian Culture and Business Management*, Vol. 34, pp. 27-44 (2025).
11. Anu Lohan, Shabnam Hussain, Parveen Kumar; Does the level of education obtained by female entrepreneurs encourage their participation in the economy? A panel data analysis of five Asian countries. *International Journal of Technological Learning, Innovation and Development*, Vol. 16, pp. 76-89 (2025).
12. Parveen Kumar, Anu, Parmod; Exploring the impact of ChatGPT usability on attitudes and beliefs among Indian higher education students: a structural analysis. *International Journal of Knowledge and Learning*, Vol. 18, pp. 319-330 (2025).
13. Parveen Kumar, Anu lohan; Link between various construct of workplace spirituality and job satisfaction in banking sector in Indian context: a proposed model. *International Journal of Indian Culture and Business Management*, Vol. 35, pp. 137-146 (2025).
14. Megha Garg, Shruti Malik, Parveen Kumar; Decoding challenges in central bank digital currency implementation in India: a TISM-MICMAC approach. *Quality & Quantity*, Vol. 59, pp. 5575–5602 (2025).
15. Anchal Jain, Neha Goyal; BEHAVIOURAL FINANCE: A BIBLIOMETRIC ANALYSIS USING SCOPUS DATABASE. *Sachetas*, Vol. 3, pp. 26-33 (2024).
16. Shanu Tyagi, Neha Goyal; Mapping of Directed Lending Literature: A Bibliometric Review. *Rabindra Bharati University: Journal of Economics*, Vol. 17, pp. 66-79 (2024).
17. Savita Rani, Dr. Neha 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. 45676 (2024).
18. Dolly Mangla, Renu Aggarwal; Anticipating Customer Loyalty to Health Insurance Using PLS-SEM: The Role of AI Chatbots, Gamified Apps, and Customer Engagement. *Lecture Notes in Electrical Engineering*, Vol. 1264, pp. 105-115 (2025).
19. A. Kapoor, R. Sindwani, M. Goel; A novel framework for understanding the interplay between the mobile wallet service quality dimensions and loyalty intention. *The TQM Journal*, Vol. 37, pp. 1716-1741 (2025).
20. M. Sharma, M. Goel, R. Sindwani; A study of female consumer buying behaviour towards organic personal care product.. *International Journal of Business and Globalisation*, Vol. 38, pp. 218-232 (2024).
21. A. Kapoor, R. Sindwani, M. Goel; Assessing mobile wallet service quality using analytic hierarchy process and fuzzy evaluation method. *International Journal of Services and Operations Management*, Vol. 50, pp. 246-266 (2025).
22. Komal Goyal, Ashutosh Nigam, Neha Goyal; The influence of psychological ownership (PO) and organisational citizenship behaviour (OCB) on employee engagement: the mediating role of perceived organisational support (POS). *European Management Studies*, Vol. 22, pp. 45774 (2024).
23. Amita Yadav, Ashutosh Nigam; Navigating AI Adoption in Recruitment for Driving Organizational Performance: A Systematic Literature Review.. *Delhi Business Review*, Vol. 26, pp. 65-78 (2025).

24. Komal Goyal, Ashutosh Nigam, Neha Goyal; Employee engagement index: a graph-theoretic matrix approach. *Global Business and Organizational Excellence*, Vol. 43, pp. 35-55 (2024).
25. Neeraj Chopra Rajiv Sindwani Manisha Goel and Ashutosh Nigam; Identifying and prioritising MOOC attrition reasons using best worst method. *International Journal of Business and Globalisation*, Vol. 38, pp. 481-496 (2024).
26. Pooja Rani, Rachna Agrawal, Taufeeque Ahmad Siddiqui; ARDL co-integration technique to examine the investment behaviour of institutional investors. *Int. J. Corporate Governance*, Vol. 14, pp. 307-328 (2024).
27. Pooja Rani, Rachna Agrawal, Taufeeque Ahmad Siddiqui; Money Begets Money: Identifying Trading Strategies of Institutional Investors. *SCMS journal of indian management*, Vol. 13, pp. 119-135 (2025).
28. Riya Gupta, Rachna Agrawal and Arti Gupta; Employee-Engagement and retention in healthcare center: the moderating role of emotional sharing. *SOUTH ASIAN JOURNAL OF MANAGEMENT*, Vol. 13, pp. 133-155 (2025).
29. Riya Gupta, Rachna Agrawal; Unveiling the Hidden Layers of employees job satisfaction and organisational commitment: a meta analysis. *Business Perspectives and Research*, Vol. 13, pp. 70-88 (2025).
30. Jasleen Kaur, Anushree Chauhan; Beyond technical skills: a fuzzy DEMATEL analysis of emotional intelligence and its impact on IT professionals' performance in hybrid work settings. *Future Business Journal*, Vol. 11, pp. 45675 (2025).
31. Jasleen Kaur, Anushree Chauhan; Exploring the connection between emotional intelligence and resilience: qualitative findings and perspectives. *Sachetas*, Vol. 3, pp. 45664 (2024).

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

Sr. No.	Particulars	Dates Duration	Beneficiary Count
1	Expert lecture on the topic, Business and Talent Management	17 March 2025	78
2	Expert lecture on the topic, Sustainable Infrastructure	19 March 2025	54
3	Workshop on Essential soft skills for Career Growth	17 April 2025	42
4	Expert Lecture, Challenges and Opportunities in Management Education	12 August 2024	48
5	Colloquium, Classroom to Boardroom	12 August 2024	52
6	Hands on Exercise on Critical Thinking for business Success	18 April 2025	44
7	Expert Lecture on Blockchain Technology Applications by Dr. Sanjiv Gupta, Professor, Central University of Himachal Pradesh	25 Feb 2025	80

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

Sr. No.	Particular	Number
1	STCs/STPS	NIL
2	Workshops	01
3	Conferences	11
4	FDPs	03

## 8 Patents Published/ Granted during the year

Sr. No.	Name of Faculty	Patent Title	Date of Award	Patent Granting Body	Status (Published/Granted)
1.	Rupali Madan	AI powered device for social media trend and content tracker	24-12-2024	Indian	Registration No 441882-001
2.	Rupali Madan	Device for tracking and analysing consumer behavior during shopping	28-01-2025	Indian	Registration No 445883-001
3.	Dr Anushree Chauhan	Wearable Computer For Secure Task Management	07-05-2025	International (UK)	Design number: 6439727

## 9 Details of Industrial/Site Visits organized

- Amul Plant, IMT Faridabad, on 5th March 2025 for MBA Students (45 students), Coordinated by Dr. Neha Goyal & Mr. Vikas Kumar
- Amul Plant, IMT Faridabad, on 6th March 2025 for MBA Students (45 students), Coordinated by Dr. Renu Aggarwal & Mr. Vikas Kumar
- Amul Plant, IMT Faridabad, on 12th Nov, 2024 for BBA & B.Com Students (42 students), Coordinated by Dr. Radhika Sharma & Mr. Vikas Kumar

## 10 Sponsored R & D Projects

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount
1	Dr. Renu Aggarwal	Impact of digital Financial Literacy on financial Planning and remittances of SME Migrant workers in Post COVID -19 scenario	University seed grant	2025	1,30,000
2	Dr. Rajiv Sindwani, Prof. Ashutosh Nigam	Effectiveness of MOOCs at University Teaching Department and affiliated institutes of J C Bose University of Science and Technology, YMCA, Faridabad	University seed grant	2023	1,95,000
3	Dr. Neha Goyal	The Role of Digital Financial Inclusion, Digital Financial Literacy and Fintech in Advancing Women Micro-Entrepreneurs	University seed grant	2025	145,000

## 11 List of Consultancy Projects Completed

NIL

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

- Ashwarya [Supervisor - Dr. Rajiv Sindwani & Dr. Manisha Goel]  
Title: An empirical investigation of mobile wallet service quality
- Komal Goyal [Supervisor - Dr. Ashutosh Nigam & Dr. Neha Goyal]  
Title: Mapping relationship of HRM practices, Psychological ownership, job crafting, organizational citizenship on employee engagement practices in software companies

**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	Jyotsana Chawla	District Administration , Faridabad	Commendation Award, Lok Sabha elections 2024.	15.08.2024

**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	120	41	1200000	754000
2	BBA	60	20	700000	528000

**15 Major Recruiters**

LaunchEd Global, Insplore Consultant Pvt. Ltd, Chronicle Club, BSH Household Appliances Manufacturing Pvt. Ltd, Phoenix Contact India Private Limited, Eduveda Academy New Delhi etc.

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

NIL

## 17 Higher Education data of UG students

### Competitive Exams

Sr. No.	Student's Name	Name of Exam	Roll Number	Percentile Score
1	Sunny	UGC NET June 2025	HR03003969	64.74
2	Dixit	UGC NET June 2025	HR03003620	71.99
3	Jyothi Raj	UGC NET June 2025	HR03003739	80.32
4	Akshat Baisla	UGC NET June 2025	HR03002100	71.25
5	Asha	UGC NET June 2025	HR03000177	80.69
6	Nikhil Bhardwaj	HTET Exam-2024 (Held on July 2025)	2195986	-
7	Prarit	UGC NET December 2024	HR03001944	93.19
8	Yashika	UGC NET June 2025	HR03003605	94.91
9	Kunal Kumar	UGC NET June 2025	HR03003587	62.21
10	Pravesh	UGC NET June 2025	HR03003823	71.99
11	Juhi	UGC NET June 2025	HR03000054	74.38

### PG Students

Sr. No.	Student's Name	Name of Institution	Program Enrolled
1	Sapna Kumari	JCBUST, YMCA	Ph.D.

### UG Students

Sr. No.	Student's Name	Name of Institution	Program Enrolled
1	Neha	JCBUST, YMCA	MBA
2	Sahil Jangra	JCBUST, YMCA	MBA
3	Khushboo	JCBUST, YMCA	MBA
4	Abhishek	JCBUST, YMCA	MBA
5	Tushar Bhardwaj	JCBUST, YMCA	MBA
6	Riya	JCBUST, YMCA	MBA
7	Neha	JCBUST, YMCA	MBA
8	Yashika Bhadana	JCBUST, YMCA	MBA
9	Kashish	JCBUST, YMCA	MBA

**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. Jyotsana Chawla**

- Delivered talk as Invited Speaker in Aggarwal College Ballabgarh on Promoting Intellectual property rights culture in HEIs on 16th October 2024.

**Dr. Renu Aggarwal**

- Chaired a session in an international conference organised by MR University on 28 Feb.-01 March 2025 on AI and New Age Technology AINAT 2025.

**Dr. Anushree Chauhan**

- Delivered lecture in Faculty Development Program on Training NAAC Accreditation Process on 29th July 2024, Banarsidas Chandiwala Institute of Physiotherapy(Affiliated to IP University), Kalkaji, New Delhi

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

- Editor, Bansal R., Fazia R, Sharma R, Parwani D., Gupta A. (2024), “Text Mining and Sentiment Analysis in Climate Change and Environmental Sustainability”, IGI Global.

## DEPARTMENT OF BUSINESS STUDIES

Chairperson: Dr. Manisha Goel (01.07.2024 - 24.04.2025)

Dr.Rajiv Sindwani (25.04.2025 - till date)

### 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	Ph.D, M.Com	Assistant Professor	Marketing	08-11-2021
2	Diksha Miglani	M.com.,JRF	Assistant Professor ( Guest Faculty )	Marketing	03-07-2023
3	Rohit Sinha	M.Com , Net	Assistant Professor ( Guest Faculty )	Management	03-07-2023
4	Chandra Prabha	Ph.D, M.Com	Assistant Professor ( Guest Faculty )	Marketing	09-10-2024

### 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

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

Sr. No.	Particulars	Dates	Duration	Beneficiary Count
1	Expert Lecture by Prof. Sanjiv Gupta on the topic Setting Professional Goals	12.08.2024	(01 Day)	50
2	Workshop on Career Opportunities on 8th October, 2024	08.10.2024	(01 Day)	55
3	Workshop on Group Discussion for a realistic perspective on industry expectations, further enhancing students' readiness for future job interviews and employment opportunities.	08.11.2024		50
4	Workshop on Interview Skills	22.11.2024		50

## 6 Details of Industrial/Site Visits organized

- 24 students went for Industrial visit to AMUL Plant on 12th November 2024.
- 21 Students visited Amrit Udhyan on 18th March 2025.

## 7 Placement details of Students

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package (Annual)	Average package (Annual)
1	B.Com (Batch 2022-2025)	64	6	7 LPA	5 LPA

## 8 Higher Education data of students

### UG Students

Sr. No.	Student's Name	Name of Institution	Program Enrolled
1	Bhumi	JC Bose UST, YMCA	MBA
2	Monika	JC Bose UST, YMCA	MBA
3	Aashi	JC Bose UST, YMCA	MBA
4	Cheshta Arora	JC Bose UST, YMCA	MBA
5	Garima Saini	JC Bose UST, YMCA	MBA
6	Hemant Dixit	JC Bose UST, YMCA	MBA
7	Jatin Kaushik	JC Bose UST, YMCA	MBA
8	Urvashi Kardam	JC Bose UST, YMCA	MBA
9	Harshit Bhatia	JC Bose UST, YMCA	MBA
10	Yogita Yadav	JC Bose UST, YMCA	MBA
11	Nishu	JC Bose UST, YMCA	MBA

12	Nitesh Nagar	JC Bose UST, YMCA	MA English
13	Esha Sharma	JC Bose UST, YMCA	MBA
14	Hemant	JC Bose UST, YMCA	MBA
15	Muskan Chaudhary	GLA University ( Mathura )	MBA
16	Saloni Balhara	Delhi Technological University , DTU , Delhi	MBA
17	Khyati	Manav Rachna University	MBA
18	Khushi	IGNOU	MA Economics
19	Harshit Kant	IGNOU	MA Economics
20	Kashish	IGNOU	M.Com

## 9 Academic and Extension activities

### Activities of students conducted by Department

- 25 students participate in Essay writing and Poster making competition held on 14th August 2024
- 27 students participated in Quiz Competition Trivia held on 20th November 2024
- 25 students participated in Start up Event Founder Frenzy held on 25th Nov 2024
- 30 Hours value added course has been organized on Teachings of Ramayana from 8th Nov to 30th Dec 2024.
- 30 students participated in Budget pe charcha held on 13th Feb 2025
- 25 students participated in event commerce quiz held on 18th Feb 2025
- 18 Students participated in Student Seminars on Work Life Balance Held on 21th Feb 2025
- 27 Students participated in Debate on Artificial Intelligence : Threat to Workforce and Creativity on 24th Feb 2025
- 35 Students participated in Student Seminar on Lessons of Bhagvat Geeta held on 28th Feb 2025
- 21 students participated in Student Seminar on Mental Health held on 6th March 2025
- 30 Students Participated in Group Discussion on Impact of Social Media on Youth held on 10th March 2025
- 40 Students Participated in Hamara Campus Swachh Campus held on 11th March 2025
- 30 Students participated in Seminar on Coping up with gender discrimination at workplace held on 20th March 2025
- Organised Cultural Event cum Alumni Meet 'Rasotsav' held on 22nd March 2025

### Activities of students participation

- Four students Presented Research Paper at Dr. Rajendra Prasad National Convention -IV on ' Growth Drivers of Vikshit Bharat 2047 : Amrit Kaal Vision ' organised by Indian Institute of Public Administrative , New Delhi from 19th to 20th Dec 2024.

# **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

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
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	Sunita Gautam	PA to Chairperson (C)	LLB	HKRNL
5	Jairaj	Peon (C)	12th	HKRNL
6	Monu	Lab Attendant (C)	10th	HKRNL

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	23
2	Publications in National Journals	–
3	Papers presented at International Conferences	03
4	Papers presented at National Conferences	–

### 5 List of Publications

- Shweta, Singh, V., Singh, V., Yarramaneni, S., Ashiq, M., Kumar, K., Gautam, P., & **Kumar, A**, Photocatalytic activity of MWCNT-reinforced MoS<sub>2</sub> nanosheets. *Journal of Electronic Materials*, 53(9), pp.5193–5203 (2024).
- Tewatia, K., **Sharma, A.**, Lal, S., Yarramaneni, S., Kumar, T., & **Kumar, A**, Investigation of dielectric and piezoelectric properties of polyvinylidene fluoride films reinforced with anatase phase titanium dioxide for pressure sensing. *Journal of Electronic Materials*, 54, pp. 103–113 (2025).
- Singh, P., Sharma, S., Kumar, K., Shweta, Iyer, G., Das, S., & **Kumar, A**. Tribological and thermal behavior of low-loading carbonaceous filler-reinforced epoxy nanocomposites. *Composites: Mechanics, Computations, Applications: An International Journal*, 16(2), pp. 77–87 (2025).
- Singh, P., Sharma, S., Kumar, K., Iyer, G., & **Kumar, A**, A comparative study on mechanical properties of yttrium oxide and reduced graphene oxide reinforced epoxy nanocomposites, *Journal of Materials Engineering and Performance*, 34(5), pp. 3706–3716 (2025).
- Singh, P., Sharma, S., Kumar, K., Lal, S., Iyer, G., & **Kumar, A**, Synergetic effect of TiO<sub>2</sub> toward mechanically and thermally stable hybrid epoxy nanocomposites: A review, *Polymer-Plastics Technology and Materials*, 64(5), pp. 633–660 (2025).
- Tewatia, K., **Sharma, A.**, **Kumar, A.**, Yarramaneni, S., & Srivastava, R. P. Tuning the optical properties of polyvinylidene fluoride nanocomposite films reinforced with anatase phase titanium oxide for optoelectronic applications, *ECS Journal of Solid State Science and Technology*, 14(5), 053005 (2025).
- Dagar, A., & **Batra, Y**, Enhancing efficiency and stability of perovskite solar cells with Bi<sub>2</sub>Te<sub>3</sub> interlayer, *Physica Scripta*, 99, 095936 (2024).
- Gupta, S., Sharma, M., & **Batra, Y.**, Advancement of germanium-based thermoelectric materials: A bibliometric and network analysis, *Physica Scripta*, 99, 105051. (2024).

9. Beniwal, P. S., & **Batra, Y**, Tailoring Ge-Sb-Te alloys for thermoelectric applications, *Solid State Sciences*, 160, 107813, (2025).
10. Singh, P., Sharma, S., Kumar, K., Iyer, G., Lal, S., & **Kumar, A**, Viscoelastic behaviour of yttrium oxide and reduced graphene oxide embedded epoxy nanocomposite, *Engineering Research Express*, 6, 025522 (2024).
11. **Kumar, A**, Investigating impact of operating pressure of sputter deposited ZnO thin films for window layer in solar cells, *Physica Scripta*, 100, 075945, (2025).
12. **Kumar, A**, Bandgap modulation of hydrothermally synthesized CZTS nanoparticles through Ni incorporation, *Journal of Electronic Materials*, 54, pp. 5564–5573 (2025).
13. **Kumar, A**, Synthesis of ZnO/CZTS hetero-structure junction by sol-gel spin coating technique. *IETE Journal of Research*, 70(11), pp. 8345–8353 (2024).
14. **Kumar, A**, Study of deposition temperature effect on spray-deposited copper oxide thin films and its Schottky diodes, *Physica Scripta*, 99, 075927 (2024).
15. **Kumar, A**, Metal-free adsorption and photodegradation methods for methylene blue dye removal using different reduction grades of graphene oxide. *Heliyon*, 10, e31702. (2024)
16. Verma, R., Goel, S., Verma, K., Kant, K., Kumar, R., Garg, M., & **Gupta, R.**, Study of di-/ferro-/piezoelectric properties of Sm<sup>3+</sup>-doped ZnO nanoparticles. *Journal of Electronic Materials*, 54(1), pp. 76–90 (2025).
17. Singh, B., Kant, K., & **Garg, M.**, Ingestion/inhalation dose due to intake of <sup>222</sup>Rn in the water of district Gurugram, Southern Haryana, India measured by alpha scintillometry technique, *International Journal of Environmental Analytical Chemistry*, 104(16), pp. 4832–4843 (2024).
18. Bankura, A., Gaur, A., **Garg, M.**, & Kotnala, R. K., Tailoring of rGO in Fe<sub>3</sub>O<sub>4</sub>-rGO nanocomposite based hydroelectric cell to enhance green energy production, *Ceramics International*, 51(14), pp. 18799–18815 (2025).
19. Yadav, M., Saini, I., Sharma, S., Chand, P., Shekhawat, N., & **Joshi, A.** Electrochemical performance of graphene-oxide (GO) and MOF5-GO nanocomposite, *Ionics*, 30, pp. 8659–8672, (2024)
20. Sharma, A., **Kumar, A.**, & Tewatia, K, Tuning the optical properties of polyvinylidene fluoride nanocomposite films reinforced with anatase phase titanium oxide for optoelectronic applications, *ECS Journal of Solid State Science and Technology*, 14(5), (2025).
21. **Sharma, A., Kumar, A.**, & Tewatia, K, Investigation of dielectric and piezoelectric properties of polyvinylidene fluoride films reinforced with anatase phase titanium dioxide for pressure sensing, *Journal of Electronic Materials*, 54, 103–113. (2025)
22. Rajpal, A., Rawal, I., **Sharma, A.**, Dahiya, S., Kumar, V., & Goyal, P. K. Mott's variable range hopping conduction mechanism in polypyrrole/molybdenum disulfide-reduced graphene oxide nanocomposites. *Journal of Materials Science: Materials in Electronics*, 36, 899 (2025).
23. Rajpal, A., Rawal, I., Sharma, A., Dahiya, S., Kumar, V., & **Goyal, P. K.** Polypyrrole/molybdenum disulfide/reduced graphene oxide ternary nanocomposites: A potential material for EMI shielding applications, *Journal of Inorganic and Organometallic Polymers and Materials*, 36, pp. 167–182 (2026).

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

Sr. No.	Particulars	Dates and Duration	Beneficiary Count
1.	National Science Day	28.02.2025	260
2.	Seminar on “Unsolved Mysteries in Physics”	11.04.2025	70
3.	Science Conclave	13.05.2025-14.05.2025	180
4.	National Symposium on Achieving Sustainable Development Goals for Vikshit Bharat	20.02.2025	190
5.	Seminar on Emotional Intelligence	12.05.2025	70

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

Sr. No.	Particular	Number
1	STCs/STPS	–
2	Workshops	–
3	Conferences	02
4	FDPs	04

**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. Rashi Gupta	Extendable and retractable telescopic axle barricade assembly	07.08.2024	The patent office, Govt. of India	Granted

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

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinators	No. of Students
1	Amrit Udyan, Rashtrapati Bhawan, Delhi and National Science Center, Delhi	13.09.2024	Dr. Ompal Singh	44
2	National Physical Laboratory	01.10.2024	Dr. Ompal Singh	37
3	ARIES Nainital	16.10.2024 - 19.10.2024	Dr. Ompal Singh, Dr. Aman Joshi	25
4	Amrit Udyan, Rashtrapati Bhawan, Delhi and National Science Center, Delhi	07.03.2025	Dr. Ompal Singh, Dr. Aman Joshi & Dr. Suresh Panchal	44
5	IIT Mandi	16.05.2024–18.05.2024	Dr. Ompal Singh & Dr. Suresh Panchal	34

**10 Sponsored R & D Projects**

Sr. No.	Investigator(s)	Title of the Project	Funding agency	Awarded Year	Amount
1	Dr. Suresh Panchal	Fabrication of semiconducting materials for gas sensing and photocatalytic Properties	J. C. Bose UST, YMCA	2025	1,60,000

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

- **Shweta** [Supervisor: **Dr. Arun Kumar**]  
Title: Tailoring optoelectronic properties of 2D transition metal dichalcogenides for energy harvesting applications.

- **Tamanna Sharma** [Supervisor: **Dr. Maneesha Garg**]  
Title: Study of Optoelectronic, Dielectric Relaxation And Conduction Behaviour of Polystyrene Nanocomposites.
- **Krishna** [Supervisor: **Dr. Anuradha Sharma**]  
Title: Synthesis And Characterization of Graphene Based Hybrid Nanocomposite Thin Films.

## 12 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)	42	05	3.5 LPA	2.0 LPA
2	M.Sc. Physics	38	10	4.5 LPA	3.0 LPA

## 13 Major Recruiters

Education Department

## 14 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.)	54	24	00	02
2	M.Sc. Physics	47	04	00	15

## 15 Academic and Extension activities

- B. Sc. Physics (Hons.) 2022-25 batch students plied literacy drive in their neighbourhoods during session 2024-25.
- Abhay Kumar (Roll No. 24001752001) and Guru Sharan (Roll No. 24001752012) of M. Sc. Physics (2024-26) helped students during admission counselling for session 2024-25.
- Rohit (Roll No. 24001752031) and Chandan (Roll No. 24001752007) of M. Sc. Physics (2024-26) assisted various boy students for accommodation in vicinity of university campus during session 2024-25.
- Payal (Roll No. 24001752029) and Ananya (Roll No. 24001752002) of M. Sc. Physics (2024-26) motivated students to take part in co-curricular and distinguished activities of university clubs/societies.
- Mohit Kumar (Roll No. 23001321018), Krishna Sharma (Roll No. 23001321014) and Sameer (Roll No. 23001321031) from B. Sc. Physics conducted awareness drive in local poor and illiterate community for their fundamental rights.
- Baithak-e-Bhautiki- Secrets of Sand organised by Pragyanam Society, 20.09.2024.
- Baithak-e-Bhautiki- Resonating Reality organised by Pragyanam Society, 26.10.2024.
- Fizzquizz- organised by Pragyanam Society, 27.10.2024.
- Auditions- organised by Pragyanam Society, 05.11.2024.
- A visit to world book fair- 20.02.2025.
- Anveshna 23.04.2025
- National sports day in collabration with Eklavya held in September 2025.

**16 Faculty Served as Invited Speaker/Chair/Resource Person****Dr Anuj Kumar**

- Expert lecture by J. C. Bose University of Science and Technology, YMCA, Faridabad in One Day National Workshop organized by Legal Metrology, GoI, Delhi on 27.09.2025
- Expert lecture at Government College Faridabad on the topic “IPR and Research ethics” on 02.12.2024.
- Participated in Women leadership workshop “ Women Leader: Shaping Academics Excellence for Vikist Bharat @ 2047” organized by University Grant Commission on 13.12.2024

**17 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	Ph.D.	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	Organometallic chemistry	26.07.2018
12	Vishwas Khurana	Ph.D.	Assistant Professor	Synthetic studies in Organic Chemistry	26.07.2018

### 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	Anuj	Lab Assistant (HKRNL)	B.Sc.	08.11.2021
5	Medha	PA to Chairman (C)	MBA (Finance)	06.05.2024
6	Sarshwati	Lab Attendant (C)	12th	13.07.2019
7	Bahram Dutt	Peon (Contractual)	12th, ITI Diploma	16.08.2018
8	Ravi	Peon (HKRNL)	10th	06.10.2021

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	44
2	Publications in National Journals	00
3	Papers presented at International Conferences	02
4	Papers presented at National Conferences	01

### 5 List of Publications

- P. Sharma, A. P. Sunda; Molecular Insights of Hydrated Perfluoro Quaternary Ammonium Anion-Exchange Membranes: Ionomer Structure and Hydroxide Ion Transport. *ACS Applied Polymer Materials*, Vol. 7, pp. 1886–1895 (2025).
- S. Dagar, S. Liu, J. Luo, A. P. Sunda; Molecular Insights into Binary Ionic Melts of Protic Ionic Liquid 1, 2, 4-Triazolium Methanesulfonate and Methanesulfonic Acid Electrolytes. *Journal of Physical Chemistry B*, Vol. 129, pp. 338-347 (2025).
- P. Jhariat, Anil K. U, A. Warriar, A. P. Sunda, S. Das, S. Sarfudeen, V. M. Dhavale, T. Panda; Hydroxide Ion Conduction through Viologen-Based Covalent Organic Frameworks (vCOFs): An Approach toward the Advancement. *ACS Applied Materials & Interfaces*, Vol. 16, pp. 23387-23395 (2024).
- Saloni, P. Kasana, J. Ahmed, V. Kumar; Ionic Liquid Induced Aggregation and Precipitation Behavior of Pinacyanol. *ChemistrySelect*, Vol. 9(30), pp. e202402320 (2024).
- P. Kasana, Saloni, J. Ahmed, V. Kumar; Ionic Liquid Induced Aggregation Behavior of Kryptocyanine Dye. *New J. Chem.*, Vol. 48, pp. 17277-17286 (2024).
- V. Kumar, S. Mishra, S. Alam, L.K. Thakur, N. A. Siddiqui; Levels of Chlorpyrifos, Ethion, Lambda-cyhalothrin, Pendimethlin and Triazophos Pesticide Residues in Vegetables. *Journal of Food Composition and Analysis*, Vol. 137, pp. 106853 (2025).
- S. Mishra, V. Kumar, M. K., Singh, M. K. Saini, S. Alam, P. Kasana, Saloni, L. K. Thakur; Monitoring and risk assessment for pesticide residues in vegetables, soil and water in Haryana, India. *Environmental Science and Pollution Research*, Vol. 32, pp. 8358–8377 (2025).
- R. Sehrawat, P. Vashishth, V. Chaudhri, R. Pundeer, H. Kumar, E. E. Ebenso, B. Mangla; Synergistic corrosion inhibition of mild steel by chalcone derivatives and KI in acidic media via computational and experimental methods. *Progress in Organic Coatings*, Vol. 198, pp. 108911 (2025).
- S. Yadav, C. Vashishth, V. Chaudhri, K. Singh, N. Raghav, R. Pundeer; Development of potential cathepsin B inhibitors: Synthesis of new bithiazole derivatives, in vitro studies supported with theoretical docking studies. *International Journal of Biological Macromolecules*, Vol. 281, pp. 136290 (2024).

10. V. Lahariy, T. Sharma, S. Behl ; Study on the structural, dielectric and thermal degradation of poly (methyl methacrylate)-ZnO nanocomposites. *Solid State Communications*, Vol. 397, pp. (2025).
11. A. Ali, H. Arora, A. Rajpu, A. Kumar; Metal-Coordinated Ligand Radical Species With Non-innocent Ortho-aminophenol Functionalities: Reactivity and Catalysis. *ChemistrySelect*, Vol. 9, pp. e202404096 (2024).
12. S. Devi, Tripta, S. Kumar, R. Kumar, V. Kumar, A. Kumar, G. Singh, P. Kumar; Structural and photocatalytic insights into gadolinium oxide-iron oxide nanocomposites towards efficient environmental remediation. *Inorg. Chem. Commun.*, Vol. 174, pp. 114065 (2025).
13. Tripti, P. Singh, S. Rani, S. Singh, L. Kumar, V. Gupta, S. Kumar, P. Kumar; Investigation of Magnetism and Photocatalytic Activity Using Biomass-Derived Carbon Dots. *ChemistrySelect*, Vol. 10, pp. e202402585 (2025).
14. P. Singh, S. Kumar, K. Kumar ; Biogenic synthesis of novel N-doped carbon-dots photocatalyst for remediation of wastewater. *Diam. Relat. Mater.*, Vol. 152, pp. 111974 (2025).
15. S. Devi, Tripta, Ankita, S. Kumar, R. Kumar, V. Kumar, A. Kumar, O. Singh, P. Kumar; Efficient  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>@ NiO nanocomposites as a photocatalyst for the treatment of hazardous Rose Bengal dye. *Physica B: Condens. Matter*, Vol. 696, pp. 416649 (2024).
16. N. Rani, S. Kumar, K. Kumar; Synergistic influence of the hybridization between green carbon dots adorned Psidium guajava extracted zinc oxide for boosted photocatalytic efficiency. *Biomass Convers. Biorefin.*, Vol. 15, pp. 18025-18040 (2024).
17. P. Singh, N. Rani, V. Madaan, S. Kumar, V. Bhankar, P. Kumar, K. Kumar; Investigation on the impact of green synthesized NC-dots decoration over photocatalytic efficiency of Sg-C<sub>3</sub>N<sub>4</sub>/ZnO. *Diam. Relat. Mater.*, Vol. 151, pp. 111780 (2024).
18. N. Rani, S. Kumar, K. Kumar ; Green synthesis of N-doped-carbon dots/ZnO for enhanced photocatalytic degradation of methylene blue dye: optimization of reaction parameters. *Environ. Sci. & Pollut. Res.*, Vol. 31, pp. 63408-63425 (2024).
19. Ankita, S. Chahal, S. Singh, S. Devi, V. Kumar, S. Kumar, S. Devi, P. Kumar; Preparation of CeO<sub>2</sub>@ AC and CeO<sub>2</sub>@ NF nanocomposites for waste water treatment. *Diam. Relat. Mater.*, Vol. 149, pp. 111643 (2024).
20. Tripti, S. Kumar, P. Kumar; Pennisteam glaucum-derived carbon dots, synthesized through green approach to degrade Rose Bengal and Methylene Blue dyes photocatalytically. *Diam. Relat. Mater.*, Vol. 148, pp. 111467 (2024).
21. Arpita, P. Kumar, R. Kumar, S. Kumar; Harnessing carbon dots from parthenium weed for photocatalytic degradation of malachite green and Fe<sup>3+</sup> ion sensing. *Biomass Convers. Biorefin.*, Vol. 15, pp. 12699-12712 (2024).
22. Arpita, P. Kumar, R. Kumar, C. Hsieh, K. S. Khoo, S. Kumar; Biogenic synthesis of hollow carbon dots using cigarette ash for photocatalytic and sensing applications. *Surfaces and Interfaces*, Vol. 52, pp. 104935 (2024).
23. 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. *Ceram. Int.*, Vol. 50, pp. 24608-24617 (2024).
24. Sonia, H. Kumari, S. Chahal, Suman, S. Kumar, Mahak, P. Kumar, A. Kumar; Hydrothermally synthesised ZnFe<sub>2</sub>O<sub>4</sub>/ZnO heterojunction nanocomposites for enhanced RB dye degradation via Z-scheme photocatalysis. *Mater. Chem. Phys.*, Vol. 322, pp. 129560 (2024).
25. R. Khanna, M. Dudi, B. Mangla, V. Kalia, A. Sihmar, H. Tanwar, H. Dahiya; Assessment of pyrazole Schiff base's corrosion inhibition effectiveness incorporating oxadiazole moiety on mild steel in 1 M HCl: A holistic theoretical and experimental analysis. *Journal of Molecular Structure*, pp. 139066 (2024).
26. R. Sehrawat, P. Vashishth, H. Bairagi, S. K. Shukla, H. Kumar, G. Ji, B. Mangla; Coordination bonding and corrosion inhibition characteristics of chalcone compounds for metals: An inclusive review based on experimental as well as theoretical perspectives", 215820, 1 September 2024. *Coordination Chemistry Reviews*, Vol. 514, pp. 215820 (2024).
27. H. Bairagi, P. Vashishth, G. Ji, S. K. Shukla, E. E. Ebenso, B. Mangla; Polymers and their composites for corrosion inhibition application: Development, Advancement, and Future Scope – a critical review. *Corrosion Communications*, Vol. 15, pp. 79-94 (2024).

28. S. K. Rai, A. K. Singh, A. A. Mansour, R. Salghi, H. Lgaz, B. Mangla, G. Ji ; Experimental and computational investigation of waste pineapple crown for mild steel corrosion inhibition in salty water: Pineapple crown for corrosion inhibition of mild steel in NaCl. *Moroccan Journal of Chemistry*, Vol. 12, pp. 931-1398 (2024).
29. R. Sehrawat, R. Pundeer, S. Yadav, P. Vashishth, H. Bairagi, S. K. Shukla, B. Mangla; Insights of newly synthesized novel pyrazole compounds for mild steel corrosion inhibition in an acidic environment by experimental and computational calculations. *Journal of Molecular Structure*, Vol. 1316, pp. 139017 (2024).
30. I. Pandey, A. V. Ullas, C. K. Rastogi, M. K. Singh, V. Kumar, B. Mangla, G. Ji; Extract Preparation of Waste Lady Finger Caps Using Ethanol, Generation of Extract's Layers on Copper Through Drop Casting Without and with NiO Nanoparticles, and Study of their Corrosion Performances in Saline Water. *Waste and Biomass Valorization*, Vol. 16, pp. 971-985 (2024).
31. R. Sehrawat, S. Yadav, R. Pundeer, D. K. Sharma, B. Mangla; Synthesis of novel thiazole derivatives and their assessment as efficient corrosion inhibitors on mild steel in acidic medium. *Progress in Organic Coatings*, Vol. 203, pp. 109156 (2024).
32. R. Sehrawat, P. Vashishth, V. Chaudhri, R. Pundeer, H. Kumar, E. E. Ebenso, B. Mangla ; Synergistic corrosion inhibition of mild steel by chalcone derivatives and KI in acidic media via computational and experimental methods. *Progress in Organic Coatings*, Vol. 198, pp. 108911 (2025).
33. R. Sehrawat, B. Mangla; Coordination interaction of biologically important macromolecules with metals and alloys for corrosion protection: An extensive study. *Coordination Chemistry Reviews*, Vol. 525, pp. 216346 (2025).
34. P. Vashishth, H. Bairagi, R. Sehrawat, B. Mangla; Environmentally Sustainable Approach of Corrosion Inhibition of Mild Steel in 1 N HCl and 1 N H<sub>2</sub>SO<sub>4</sub> via Antihistamine Loratadine (LT) and Its Amine Derivatives: Computational and Experimental Analysis. *ACS Omega*, Vol. 10, pp. 5332-5350 (2025).
35. R. Sehrawat, P. Vashishth, N. Raghav, A. Bendic, A. J. Ahamed, N. Mujafarkani, B. Mangla; Advanced synthesis and multifaceted characterization of a 4,4-diaminodiphenylmethane-melamine-formaldehyde terpolymer: anti-corrosion performance and antimicrobial potential in 1 M hydrochloric acid. *RSC Adv.*, Vol. 15, pp. 11098-11114 (2025).
36. H. Bairagi, P. Vashishth, R. Sehrawat, D.K. Sharma, B. Mangla; Inhibition studies of efficacy of nanoparticles-reinforced composite against mild steel degradation exposed to 1.0 M HCl. *Canadian Metallurgical Quarterly*, Vol. , pp. 1–20 (2025).
37. A. K. Semwal, A. S. Pangtey, M. K. Singh, V. Kumar, B. Mangla, S.K. Shukla, P. Tyagi, G. Ji; Synthesis of ethanolic extract of Buddhist pine leaves and its deposition on copper's surface by drop casting for corrosion prevention in salty water. *Canadian Metallurgical Quarterly*, Vol. , pp. 1–17 (2025).
38. B. Sheokand, M. Vats, S. R. Pathak, B. Yadav, Kumar, D.S. Negi, R.S Singh, A. Singh, B. Mangla; Development and Characterization of a Novel Wound-Healing Film Incorporating Aloe vera Extract and Copper Ferrite Nanoparticles. *Topics in Catalysis*, Vol. , pp. (2025).
39. A. Dhayal, H. Kumar, B. Mangla, D. Singh; Harnessing the power of carbohydrates: Chitosan and starch-based nanocomposites for sustainable developments. *Inorganic Chemistry Communications*, Vol. 171, pp. 113597 (2025).
40. S. Jan, J. Varma, A. Sharma, M. Aalim, M. Choudhary, B. Mangla; Wet Chemical Co-precipitation Route of CuS Nanoparticles: Synthesis and Characteristics Studies Towards Photo-Degradation of 2-Chlorophenol. *Topics in Catalysis*, pp. (2025).
41. H. Kumar, R. Kumari, D. Singh, B. Mangla ; Advances in nanomaterials based electrochemical sensors for rapid detection of food additives: A comprehensive review. *TrAC Trends in Analytical Chemistry*, Vol. 181, pp. 118011 (2025).
42. R. Kumar, R. R. Nair, R. Prakash, T. Bae, T. Dohi, O. Prakash;  $\alpha$ ,  $\alpha$ -Dibromoketones as Synthetic Equivalents of  $\alpha$ -Bromoketones for the Synthesis of Thiazolo [3, 2-a] benzimidazoles. *Letters in Organic Chemistry*, Vol. 21, pp. 209 (2024).
43. N. Miyamoto, D. Koseki, K. Sumida, E. E. Elboray, N. Takenaga, R. Kumar, T. Dohi; Auxiliary strategy for the general and practical synthesis of diaryliodonium (III) salts with diverse organocarboxylate counterions. *Beilstein Journal of Organic Chemistry*, Vol. 20, pp. 1020 (2024).
44. Rimi, B. Uttam, D. Sharma, V. V. Zhdankin, R. Kumar; Pyrazole-tethered isoxazoles: hypervalent iodine-mediated, metal-free synthesis and biological evaluation. *Arkivoc*, pp. 202412328 (2024).

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

Sr. No.	Particulars	Dates and Duration	Beneficiary Count
1	Expert Lecture on Role of Long Duration Energy Storage in Energy Transition by Dr. Manickam Minakshi, Murdoch University, Australia Dr. Damoon Zaheri, Murdoch University, Australia organized by Dr. A. P. Sunda	13.02.2025 (01 Day)	48
2	Expert Lecture on Smart Polymer Materials for Biomedicine, Energy-related Applications, Sensors and Actuators by Dr. Andrey V. Shibaev Senior Research Associate, Basque Centre for Materials, Leioa, Spain organized by Dr. A. P. Sunda and Dr. Sunil Kumar	16.07.2024 (01 Day)	87

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

Sr. No.	Particular	Number
1	STCs/STPS	00
2	Workshops	00
3	Conferences	06
4	FDP	00

## 8 Patents Published/ Granted during the year

- Dinesh Kumar Sharma, Ananna Bardhan, Vandana Agrawal, Bindu Mangla, Automated earthquake response and building stabilization system, Indian Patent published on 19.09.2025.
- Dinesh Kumar Sharma, Ananna Bardhan, Bindu Mangla, A system for enhancing solar still desalination performance using cold plasma-treated hydrophobic condensation surfaces, Indian Patent published on 08.08.2025.
- Dinesh Kumar Sharma, Ananna Bardhan, Manju Singhal, Bindu Mangla, Solar concentrator system for enhanced solar energy absorption in algal solar distillation for water purification, Indian Patent published on 25.04.2025
- Dinesh Kumar Sharma, Ananna Bardhan, Vinayak Vandan Pathak, Bindu Mangla, A solar desalination system utilizing activated carbon nanoparticles synthesised from bio-waste for performance enhancement, Indian Patent published on 28.02.2025.
- Dinesh Kumar Sharma, Ananna Bardhan, Pooja Sharma, Vinayak Vandan Pathak, Bindu Mangla, Narendra Singh, Lipid enhancement in algal biomass using monochromatic optical filters, Indian Patent published on 06.12.2024.
- Dinesh Kumar Sharma, Ananna Bardhan, Sakshi Papnai, Shivani Singh, Narendra Singh, Bindu Mangla, AI-Integrated apparatus for enhanced solar PV efficiency using adaptive optical filters, Indian Patent certificate of registration of design (432011-001) granted on 27.09.2024.

## 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. 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
4	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
5	Dr. Bhawna (PI) Dr. Amit Rajput (CO-PI)	Development of Spiropyran based metal complexes as potent drug candidate foe effective photodynamic and photothermal cancer therapy	SERB POWER Grant	2023	30 lakhs

## 11 List of PhD completed in the Department

- Rimi [Supervisor - Dr. Ravi Kumar]  
Title: Synthesis and applications of hypervalent iodine compounds and metal organic frameworks.
- Himanshi [Supervisor - Dr. Bindu mangla]

## 12 Higher Education data of students

### M.Sc. Students

Sr. No.	Name of Exam	Student's Name	Program	Percentile Score
1	–	Teena	PhD, BITS, Pilani	–

### B.Sc. Students

Sr. No.	Student's Name	Name of Institution	Program Enrolled
1	Suzal	IIT Bombay	MSc-PhD Environ. Sci. and Engg.
2	Vaishnavi Gupta	IIT Delhi	MSc
3	Yogita	IIT Delhi	MSc
4	Nikita Dagar	IIT Bombay	MSc
5	Anjali Sharma	IIT Mandi	MSc

### 13 Academic and Extension activities

#### Activities of students conducted by Department

##### Details of Activity

- 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.

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

#### Dr. Anurag Prakash Sunda

- Resource Person in FDP on Recent Advancement in Functional and Smart Materials (RAFSM-25) at Madan Mohan Malaviya University of Technology, Gorakhpur held on Feb. 3-7, 2025.
- Invited Lecture in International Conference on Renewable Energy and Sustainable Technologies (ICREST-2024) organised by Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, (A Central University) New Delhi - 110025, India held on July 04-06, 2024.

#### Dr. Bindu Mangla

- Session Chair at One-Day Conference on “Ayurvedic Concept of Ama and Shotha in the Context of Disease and Modern Medicine”, jointly organized by the School of Biotechnology, School of Life Sciences & School of Computational and Integrative Sciences, Jawaharlal Nehru University (JNU), New Delhi, in association with the International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, Central Ayurveda Research Institute, Punjabi Bagh, Delhi, and Central Council for Research in Ayurvedic Sciences, Ministry of Ayush, Government of India on February 24, 2025 at the Auditorium, ICGEB, New Delhi.
- Delivered an invited talk titled “ Nanoparticles/Polymer stabilized system for Corrosion inhibition of Steel” at International conference on chemical advances in chemical sciences research and education (CACSRE-2024) and National convention of Chemistry Teachers (NCCT-2024), jointly organized by the Department of Chemistry, Department of Industrial Chemistry (PUC), Mizoram University and the association of Chemistry Teachers (ACT) during 6-8 Nov, 2024 at Mizoram University, Aizawl.

### 15 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 (Queueing Theory)	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	Optimization on Manifolds	28.08.2018
6	Abhishek Kumar	M.Sc. NET	Assistant Professor	Pure Mathematics	03.02.2020
7	Suraj Goyal	Ph.D.	Assistant Professor	Continuum mechanics, Applied Mathematics	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	22.04.2021
11	Mr Kuldeep Singh	M.Sc. NET	Assistant Professor	Operations Research	22.07.2019
12	Shashi Sharma	Ph.D.	Assistant Professor	Applied Mathematics	24.09.2021
13	Meenu Chawla	Ph.D.	Assistant Professor	Applied Mathematics	13.10.2021
14	Hansraj	M.Sc. NET	Guest Faculty	Applied Mathematics	05.02.2021
15	Jyoti	M.Sc. NET	Guest Faculty	Applied Mathematics	17.07.2023
16	Preeti	M.Sc. NET	Guest Faculty	Operations Research	19.07.2024

### 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	11
2	Publications in National Journals	–
3	Papers presented at International Conferences	01
4	Papers presented at National Conferences	01

### 5 List of Publications

1. N. Kumar and **A. Chatterjee**; Dynamics of atom-field interaction inside a nonlinear Kerr-like medium filled optical cavity . *J. Mod. Opt.*, Vol.72 (7-9), pp.207-217 (2025).
2. A. Kumar, **M. Rohilla** and R. Lal; A note on Browder's theorem and a Cline's formula for generalized Deazin-g-meromorphic inverses . *Filomat*, Vol.38 (25), pp.8849-8860 (2024).
3. N. Kumar, **P. Kumar** and R. K. Ranjan; Energy dissipation dynamics in bulged profiles in Sinter forging . *Panamerican Math J.*, Vol.34(3), pp.284-294 (2024).
4. 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).
5. Balram, S. Jaiswal, **R. Dubey**; Mixed-Type Multiobjective Nondifferentiable Symmetric Duality Programming Problem Over Arbitrary Cones . *Mathematical Methods in the Applied Sciences*, Vol.48, pp.8890-8902 (2025).
6. **K. Singh**, T. Singh, L. N. Mishra, **R. Dubey** and L. Rathour; A Brief Review Of Predator-Prey Models For Anecological System With A Different Type Of Behaviors. *Korean J. Math.*, Vol.32, pp.381–406 (2024).
7. R. Kumar and **R. Dubey**; New class of higher-order symmetric programming problems in complex spaces. *Nonlinear Studies*, Vol.31, pp.437-449 (2024).
8. 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(6), pp.2383-2390 (2024).
9. 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.365–372 (2024).
10. Shiva, **N. Gupta** and Anu G. Aggarwal; A generalized product adoption model under random marketing conditions. *International Journal of System Assurance Engineering and Management*, Vol.15(10), pp.4897-4904 (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 & Fluid Flow*, Vol.34 (12), pp.4233–4256 (2024).

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

Sr. No.	Particulars	Dates and Duration	Beneficiary Count
1	Science Conclave	13-14 May 2025	250
2	National Mathematics Day	30-31 January 2025	250
3	National Science Day	28 February 2025	300
4	Expert Lectures on Computational Complexity and NP Completeness & Some Special Functions and Approximation	24 April 2025	100
5	Expert Lecture on Applications of Python: From Data Analysis to Graphical Insight	16 April 2025	100

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

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

## 8 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
2	Dr Arpita Chatterjee	The potential benefits of using non-Gaussian resources in ideal and realistic continuous-variable quantum teleportation	HSCSIT	2025	20 Lakhs
3	Dr Suraj Goyal (PI)	Plane waves in elastic media with voids under strain gradient theory.	SEED Grant JCBUST YMCA	2023	2 Lakhs

## 9 List of PhD completed in the Department

- Deepak [Supervisor - Dr. Arpita Chatterjee]  
Title: A theoretical study of non-classical features of different engineered quantum states.
- Ajay [Supervisor - Dr. Reena Garg]  
Title: Performance Analysis of Redundant Systems with Server Failure Under Varying Environmental Conditions.

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

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	MATLAB Licensed Unlimited (Cloud Base)	39,94,394/-	13.03.2025

**11 Higher Education data of students****PG Students**

Sr. No.	Student's Name	Name of Exam	Roll Number	Percentile Score
1	SWAPNIL SABHARWAL	NET	UP09151252	Ph.D. Net

**UG Students**

Sr. No.	Student's Name	Name of Institution	Program Enrolled
1	Anjana	JCBUST, YMCA	M.Sc. Mathematics
2	Disha Sharma	JCBUST, YMCA	M.Sc. Mathematics
3	Hardik	JCBUST, YMCA	M.Sc. Mathematics
4	Kirti	JCBUST, YMCA	M.Sc. Mathematics
5	Nitika	JCBUST, YMCA	M.Sc. Mathematics
6	Preeti Sharma	JCBUST, YMCA	M.Sc. Mathematics
7	Sejal Sharma	JCBUST, YMCA	M.Sc. Mathematics
8	Shalini Singh	JCBUST, YMCA	M.Sc. Mathematics
9	Teena Sharma	JCBUST, YMCA	M.Sc. Mathematics
10	Varsha Mittal	JCBUST, YMCA	M.Sc. Mathematics

**12 Academic and Extension activities**

NIL

**13 Faculty served as Invited Speaker/Chair/Resource Person****Dr. Reena Garg**

- Delivered Lecture at JCBUST, YMCA, Faridabad in April 2025
- Delivered Expert Lecture at K.N.Modi IET, Modinagar in April 2025
- Delivered Lecture at JCBUST, YMCA, Faridabad in June 2025

**Prof. Neetu Gupta**

- Delivered Expert Talk on "Complex Integration" at K.L. Mehta Dayanand College in September 2024
- Delivered Talk on "Fundamentals of Queueing Theory: Bulk Service Queue" at Jaypee Institute of Information & Technology, Noida in July 2024
- Delivered Lecture on "Queueing Theory and its Applications" at The Northcap University in August 2024

**Dr. Suraj Goyal**

- Delivered an expert talk on "Directional Derivatives: Theory and Properties" at Guru Nanak College, Muksar Sahib, Punjab on October 7, 2024
- Delivered an expert talk on "MatLab: Basics and Hand on Training" at Aggarwal College Balabgarh on February 7, 2025
- Delivered 4 lectures and conducted 2 tutorial sessions on "Latex" at Gurugram University on February 24-25, 2025

**Dr. Shashi Sharma**

- Delivered Lecture at JCBUST, YMCA, Faridabad in Sept. 2024.

## 14 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	Monika Mago	Ph.D.	Guest Faculty	Environmental Sciences	25.01.2025
7	Divya	M.Sc., NET	Guest Faculty	Environmental Sciences	01.12.2022
8	Sonam	Ph.D	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	17
2	Publications in National Journals	00
3	Papers presented at International Conferences	–
4	Papers presented at National Conferences	01

#### 5 List of Publications

- Bhushan, D., & **Gupta, R.**, Green synthesis and adsorption performance of Eucalyptus globulus leaf modified iron oxide–graphene oxide nanocomposite for Cd(II) and Pb(II) removal from aqueous solution, **Environmental Geochemistry and Health**, Vol. 47, 279, 1–29, (2025)
- Chauhan, H., & **Gupta, R.** Photocatalytic dye degradation of rhodamine B and congo red dye using sulfur doped graphitic carbon nitride and cerium oxide nanocomposite. *Journal of Water Process Engineering* vol. 75, 108052 (2025)
- Bhushan, D., & **Gupta, R.** . Biofabrication and characterization of silica-coated zinc oxide nanocomposite: A sustainable approach in remediation of Cr(VI) contaminated wastewater, **Water, Air, & Soil Pollution**, 235(6), 372 (2024)
- Bhushan, D.**, Shoran, S., Kumar, R., & **Gupta, R.** Plant biomass-based nanoparticles for remediation of contaminants from water ecosystems: Recent trends, challenges, and future perspectives. *Chemosphere*, 365, 143340 (2024).
- Chauhan, H., Kumar, R., & **Gupta, R.** Green synthesis of zinc oxide (ZnO) nanoparticles from Allium cepa (onion) peels for sustainable Cr(VI) removal: Adsorption isotherms, kinetics, thermodynamics, and reusability, *Water, Air, & Soil Pollution*, 236, 645, 1–21 (2025)
- Sheikh, Z. U. D., Singh, A., Devi, A., **Bajar, S.**, Kothari, R., & Pathania, Overcoming limitations of second-generation bioethanol production process through advancements in strain development, *Environmental Science and Pollution Research*, 1–21 (2024)
- Yadav, N., **Bajar, S.**, Gupta, S., Vijayan, N., & Sharma, S. K., Evaluating health risks of PM2.5-bound heavy elements in Faridabad, Haryana (India): An industrial perspective, *Environmental Monitoring and Assessment* vol. 196, 1185 (2024).
- Rani, S., Sabharwal, H., Kumar, P., Chauhan, A. K., Khoo, K. S., & **Kataria, N.**, Comparative behaviour of carbon-based materials for the removal of emerging bisphenol A from water: Adsorption modelling and mechanism. *Groundwater for Sustainable Development* vol. 25, 101121 (2024).
- Dhiman, R., Khyalia, B., Kumar, N., Kumar, S., **Kataria, N.**, 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*, Vol. 333, pp. 3279–3289 (2024).
- Kataria, N.**, Yadav, S., Garg, V. K., Rene, E. R., Jiang, J. J., Rose, P. K., Kumar, M., & Khoo, K. S., Occurrence, transport, and toxicity of microplastics in tropical food chains: Perspectives view and way forward, *Environmental Geochemistry and Health*, vol. 46, 98 (2024)
- Rani, S., Kumar, P., & **Kataria, N.**, 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).
- Dhaka, R., Kumar, S., Kumar, N., **Kataria, N.**, Kee, P. E., Ayyamperumal, R., Ethiraj, B., & Bhatia, R., Biosorption of lead (II) ions by lead-tolerant fungal biomass isolated from electroplating industry effluent. *International Journal of Environmental Science and Technology*, 1–12 (2024)
- Narwal, N., Kakakhel, M. A., Katyal, D., Yadav, S., Rose, P. K., Rene, E. R., Rakib, M. R. J., Khoo, K. S., & **Kataria, N.**, Interactions between microplastic and heavy metals in the aquatic environment: Implications for toxicity and mitigation strategies, *Water, Air, & Soil Pollution*, Vol.235 pp.567 (2024)
- Garima, Babita, Amanjeet, **Kataria, N.**, Bhardwaj, A., Dhiman, R., & Chaudhary, S, Risk assessment of uranium in water sources near coal mines and in human organs of Shahdol District, Madhya Pradesh, using biokinetic modelling. *Environmental Geochemistry and Health*, Vol. 46 No. 12 pp. 513 (2024)

15. Ghotekar, S., Mishra, S. R., Gadore, V., Roy, S., Ahmaruzzaman, M., Singh, K. R. B., Singh, J., Kumar, A., Kataria, N., & Mirzaei, M., Insights into the expeditious photocatalytic performance of greenly fabricated CeVO<sub>4</sub> nanoparticles using *Polyalthia longifolia* leaf extract. *Inorganic Chemistry Communications* Vol. 172, 113665 (2025)
16. Arora, B., Dhillayan, D., Yadav, S., Ghotekar, S., Mukherjee, C., Mohan, N., & Kataria, N. Bio-fabrication of acid-treated and magnetic biochar from rice straw for tetracycline removal from water: Response surface methodology study, reusability, and modelling *Biomass Conversion and Biorefinery* 1–16. (2025).
17. Shukla, H., Gautam, R., Sushma, & Kumari, N. (2025). A comprehensive review: Photodegradation of dyes with rare earth doped metal oxide nanoparticles for wastewater treatment. *Journal of Physics and Chemistry of Solids*, Vol. 200, pp. 112593 (2025).

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

Sr. No.	Particulars	Dates and Duration	Beneficiary Count
1.	Expert Talk on “ Plastic Waste Management” in collaboration with Vasundhara Eco-club.	12.09.2024	250
2.	Expert Lecture on “ Environmental, Social and Governance (ESG) and Career Opportunities” in collaboration with Vasundhara Eco-club.	15.04.2025	70
3.	Expert talks on “ Our Power Our Planet” in collaboration with Vasundhara Eco-club.	22.04.2025	300

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

Sr. No.	Particular	Number
1	STCs/STPS	Nil
2	Workshops	01
3	Conferences	04

## 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. Renuka Gupta and Ms. Heena Chauhan	Process For Green Synthesis of Zinc Oxide Nanoparticles Using Allium cepa Peel Extract For Removal of Cr(VI) From Contaminated Aqueous Solutions	16.05.2025	Patent Office, Govt. of India	Published

## 9 Memorandum of Understanding (MOU’S):

Sr. No.	Name of the Organization	Duration	Objective
1.	ECO-SAVERA	12.09.2024 to 11.09.2025 (1 Year)	To collect non-recyclable plastic waste from the University Campus

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

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinators	No. of Students
1	Educational trip to Manali for the students of Department of Environmental Sciences and Vasundhara eco-club.	28.11.2024-01.12.2024	Dr. Sushma Dr. Navish Kataria	45
2	Education trip to Asola wildlife sanctuary for the students of Department of Environmental Sciences and Vasundhara eco-club.	17.04.2025	Dr. Sushma Dr. Navish Kataria	47

**11 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

**12 List of Consultancy Projects Completed**

Sr. No.	Name of the Industry	Faculty Coordinator	Duration	Amount
1	M/s Jasmine Knitting Industries Pvt. Ltd., Gurugram (Haryana)	Dr. Somvir Bajar	03 months	70,800
2	M/s Indo Autotech Limited., Faridabad (Haryana)	Dr. Somvir Bajar	03 months	70,800

**13 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)	19	10	45000/- Per Month	25000/-Per Month

**14 Major Recruiters**

Alpine Apparels, Delton Cables, Escorts Kubota Limited, Satyug Darshan Institute of Engineering and Technology, Faridabad, Esgauge Intangible AI, SGS India Pvt. Limited, Gurugram, Enterslices Pvt. Ltd.

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

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	Flame Photometer	67,000	18.09.2023
1	Deep Freezer (-20C) (Purchased from HSCSIT R&D Project Grant)	49,985.00	17.03.2025
2	Ultra-Fine Dust Samplers (03 Units) and VOC Samplers (03 Units) (Purchased from HSCSIT R&D Project Grant)	6,75,000.00	22.04.2025
3	Analytical Weighing Balance (5 Digits) (Purchased from HSCSIT R&D Project Grant)	1,98,801.00	25.04.2025

**16 Higher Education data of students**

Sr. No.	Name of the student	Course joined	Institution/ University
1	Yuganshi	Ph.D	J.C. Bose University of Science & Technology, YMCA

**17 Academic and Extension activities****Activities of students conducted by Department**

- Organized a one-day plantation drive on 22nd September 2024 in the University adopted villages in collaboration with DSW, JCBUST, YMCA, Faridabad.
- Facilitated MoU between NGO Eco-Savera and J.C. Bose University, YMCA Faridabad for collection of non-recyclable Plastic waste from university campus (2024).
- Organised a "Tulsi Plant Distribution Drive" to promote environmental sustainability and enhance awareness about the benefits of Tulsi plant on 12th and 13th August 2024.
- Organized plantation drive "Ek Ped Maa ke Naam" on 16th August 2024.
- Organized Awareness Campaign on Plastic Waste Management on 12th September 2024, in the JCBUST, YMCA, Faridabad.
- Organized Cultural programmes and competitions on the occasion of Diwali-Feival of Lights' on 23rd October, 2024.
- University level National Environment Youth Parliament was organized on 19th November 2024.
- Organized "Tree Care Day" on 10th March 2025.
- Organized "Alumni Meet" of the Department on 19th April 2025.

**Activities of students participation**

- Anjali completed "Advanced Course on Leachate Treatment" organized by the Water Management & Plumbing Skill Council, New Delhi from 03-08 June, 2024.
- Anjali participated and completed a 3-week online course on "Chlorination of Drinking Water in Emergencies" organized by the Centre for Affordable Water and Sanitation Technology from 7th January to 30th January 2025.
- Divya Bhushan attended a Training Workshop titled "Safety from Hazards: Fire, Chemical, Biological and Natural Disasters" held at India International Centre, New Delhi on 11th June, 2025.
- Drishti Sharma delivered an Oral presentation on "Clearing the air: Addressing Air Pollution, Climate Change and Sustainable Solutions" on 20 Feb 2025.
- Drishti Sharma attended a One-Day online Certificate Course on "Air Quality Monitoring: From Basics to Advanced Techniques", held on 23rd February 2025.

- Drishti Sharma attended an Online one month course on “Air pollution and Health Impacts : Using Modelling Techniques”, held from 17 may 2025 to 08 june 2025.
- Drishti Sharma attended a four days hands on training on “Particulate matter pollution and health : Measurement and modelling”, held during 28th July to 31st July 2025.
- Kiran Swami attended a Training Workshop titled “Safety from Hazards: Fire, Chemical, Biological and Natural Disasters” held at India International Centre, New Delhi on 11th June, 2025.
- Mohini participated and presented a poster titled “Evaluating the role of Constructed Wetlands in Treatment of Pharmaceutical Wastewater: A critical review” in the 2nd National Conference on Technological Innovation and Environmental Sustainability NCTIES 2024, organized by the Department of Environmental Science, Amity University, Gwalior, Madhya Pradesh held on 14 November 2024.
- Mohini participated and completed a 3-week online course on “Chlorination of Drinking Water in Emergencies” organized by the Centre for Affordable Water and Sanitation Technology from 7th January to 30th January 2025.
- Mohini participated in a 3-day online course on “Environment Impact Assessment (EIA)” organized by The Nature Eye, powered by Wildfearc, from 24-26 March, 2025.
- Mohini participated and presented a poster titled “Assessment of Novel Biochar embedded Constructed Wetland Configuration for Pharmaceutical wastewater treatment” in a 3-day training Program (April 23-25, 2025) on sustainable water management and ZLD practices, organized by Indian Institute of Forest Management, Bhopal, Madhya Pradesh.
- Mohini attended a Training Workshop titled “Safety from Hazards: Fire, Chemical, Biological and Natural Disasters” held at India International Centre, New Delhi on 11th June, 2025.

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

### Dr. Renuka Gupta

- Expert Speaker, Awareness Sessions on Green Initiatives and Sustainable Development during Orientation Program for UG Students (2024).
- Environment Nodal Officer, University Representative in Paryavaran Sanrakshan Gatividhi Organization (all-India organization on environmental conservation and protection).
- Member of Board of Studies, Department of Environmental Sciences, Gurugram University, Gurugram

### Dr. Somir Bajar

- Subject Expert (Sciences & Humanities) at Shri Vishwakarma Skill University, Palwal, Haryana on August 05, 2024
- Invited Speaker, to deliver talk on the topic “Ending Plastic Pollution” on June 12, 2025, in programme as part of Environmental month Celebration organised by WRHS Division / PACCL Vertica/, Maruti Suzuki, Gurugram, Haryana.
- Invited Speaker, to deliver talk on the topic “Our Environment, Our Future: Act Now for a Sustainable Tomorrow (Beat Plastic Pollution)” on June 5, 2025, in programme on “Celebration of World Environment Day-2025” jointly organised by The Institution of Engineers (India) Faridabad Local Centre in collaboration with Lingaya’s Vidyapeeth University, Faridabad, Haryana.
- Invited Speaker, to deliver talk on the topic “Sustainable Waste Management” on March 24, 2025, in the event organised to celebrate “National Innovation Week” organised by Govt. Model Sanskriti Sen. Sec. School, No. 3, NIT, Faridabad.
- Invited Speaker, to deliver talk on the topic “Pollution and Climate Change: Understanding the Crisis and Building Solutions” on March 21, 2025, in One-Week Short Term Programme on “Environment & Society Issues and Challenges with Reference to Sustainable Development Goals” organised by UGC-Malviya Mission Teacher Training Centre (formerly UGC-HRDC) in collaboration with Department of Science and Technology, Central University of Punjab from March 17-22, 2025.
- Invited Speaker, to deliver talk on the topic “Water Conservation” on February 11, 2025, in the event organised to celebrate “National Innovation Week” organised by Govt. Model Sanskriti Sen. Sec. School, No. 3, NIT, Faridabad.
- Invited Speaker, to deliver talk on the topic “Navigating Climate Change: Pollution Challenges and Pathways to Sustainability” on February 8, 2025, in One-Week STTP on “Climate Change & Sustainable Development” organised by UGC-Malviya Mission Teacher Training Centre (formerly UGC-HRDC), Central University of Haryana, Mahendergarh from February 06–12, 2025.

- Invited Speaker, to deliver expert talk on the topic “e-Waste Management: Challenges and Opportunities in India” on November 27, 2024, in “Expert Lecture Series” programme organised by Department of Environmental Sciences, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana, India.
- Invited Speaker, to deliver talk on the topic “Water Quality Parameters and its Effect and Remedies” on August 22, 2024, in Two days’ Workshop on “Water and Soil Quality in Moradabad District” organised by Shriram Institute for Industrial Research from August 22-23, 2024.

**Dr. Navish Kataria**

- Delivered talk as an 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.
- Delivered Lecture as Resource person in a one-week State-level Youth Red Cross Camp at Kurukshetra organized by Haryana State Red Cross Branch, Chandigarh from September 11 to 16, 2024.
- Delivered a lecture as a Resource person on “Solid waste management” and “Water conservation” in the training courses for Eco-Club in charge, Teacher in the Department of School Education Haryana, organized on November 07, 2024, at HIPA, Gurugram.
- Delivered a lecture as a Resource person on “Solid waste management” and “Water conservation” in the training courses for Eco-Club in charge, Teacher in the Department of School Education Haryana, organized on November 28, 2024, at HIPA, Gurugram.
- Delivered lecture as a Resource person on “Solid waste management” and “Water conservation” in the training courses for Eco-Club in charge, Teacher in the Department of School Education Haryana, organized on January 02, 2025, at HIPA, Gurugram.
- Delivered lecture as a Resource person on “Solid waste management” and “Water conservation” in the training courses for Eco-Club in charge, Teacher in the Department of School Education Haryana, organized on January 16, 2025, at HIPA, Gurugram.
- Delivered an invited talk in the National Conference on “Recent Progression in Materials Science (NCRPMS-2025)” organized from March 4-5, 2025 by the Department of Chemistry, Aggarwal College, Ballabgarh, Haryana.
- Attended/Contributed as ‘Session Co-chair’ in the 2nd International Conference on “Advanced Materials for Green Chemistry and Sustainable Environment” (AMGSE - 2025) organized from March 20-21, 2025 at the K R Mangalam University, Gurugram (Haryana).
- Delivered extension lecture on “Eco-Agriculture Practice for Soil Sustainability” to the Master’s students in the Department of Environmental Sciences on April 22 & 25, 2025, at Bhagat Phool Singh Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat, Haryana (India).

**Dr. Sushma**

- Delivered a talk as a Distinguished Speaker in the workshop on “Sustainability and Climate Change -Creating Culture of Environmental Responsibility” organized by the Bureau of Indian Standards at Rohtak on 02/01/2025.
- Delivered a talk as an invited Speaker on “World Environment Day- 2025” to the NCC students of J. C. Bose University of Science and Technology, YMCA, Faridabad, at the NCC office on 5th June 2024.
- Session Co-Chaired in the 2nd International Conference on “Advanced Materials for Green Chemistry and Sustainable Environment” organised by K.R. Mangalam University, Gurugram on 20th March, 2025,

**19 Faculty serving as Editors/Members of Editorial Boards****Dr. Renuka Gupta**

- Guest Editor, Special Issue on Fate and Transport of co-contaminants in soil and water environments: Risk, resilience, and remediation in Journal of Hazardous Material Advances (2024-25) (Elsevier, Impact Factor: 5.4).

**Dr. Navish Kataria**

- Guest Editor: Recognition from ‘Environmental Research’ journal (Elsevier).
- Review Editor: ‘Frontiers in Environmental Chemistry’ (Section: Sorption Technologies).
- Editor in Springer Nature book on ‘Bioeconomy Sustainability’ 2024, ISBN: 978-981-97-1836-8.

# **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	Prof. Sachin Teotia	Ph.D.	Professor	Plant Molecular Biology and Biotechnology	02.07.2024
2	Dr. Kakoli Dutt	Ph.D.	Associate Professor	Environmental and Industrial Microbiology	05.08.2022
3	Dr. Deepansh Sharma	Ph.D.	Assistant Professor	Food and Industrial Microbiology	04.08.2022
4	Dr. Ashima Sharma	Ph.D.	Assistant Professor	Protein Biochemistry, Microbial Engineering	01.08.2022
5	Dr. Komal Taneja	Ph.D.	Assistant Professor (Contractual)	Botany	04.11.2020
6	Dr. Sakshi Tewari	Ph.D.	Assistant Professor (Contractual)	Environmental Microbiology	10.11.2020
7	Dr. Nimisha Patel	Ph.D.	Assistant Professor (Contractual)	Environmental Biotechnology, Molecular Biology	06.08.2021
8	Dr. Sunny Dholpuria	Ph.D.	Assistant Professor (Contractual)	Animal Biotechnology	12.08.2021

9	Dr. Sakshi Tewari	Ph.D.	Assistant Professor (Regular)	Environmental Microbiology	05.05.2025
10	Dr. Sunny Dholpuria	Ph.D.	Assistant Professor (Regular)	Animal Biotechnology	05.05.2025
11	Dr. Rekha	Ph.D.	Assistant Professor	Agricultural Microbiology	05.05.2025
12	Dr. Manjit	Ph.D.	Assistant Professor	Industrial and Microbial Biotechnology	08.05.2025
13	Dr. Nimisha	Ph.D.	Assistant Professor (Regular)	Environmental Biotechnology, Molecular Biology	09.05.2025
14	Dr. Sonia Saraswat	Ph.D.	Assistant Professor (Contractual)	Animal Sciences	16.09.2021
15	Dr. Radhika Mishra	Ph.D.	Guest Faculty	Botany	16.11.2022
16	Dr. Alok	Ph.D. (Pursuing)	Guest Faculty	English Language, Literature and Communication Studies	16.10.2024

### 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	16
2	Publications in National Journals	–
3	Papers presented at International Conferences	–
4	Papers presented at National Conferences	02

### 5 List of Publications

- Singh, V.; Pandit, C.; Ray, S.; Pandit, S.; Ranjan, N.; Sharma, D.; Sarma, H.; G., S.J.;Makkar, R.; Rustagi, S.; Malik, S.; Prasad, R.; Joshi, S.J.; Rhamnolipids: Green Surfactant for Environmental Bioremediation of Polycyclic Aromatic Hydrocarbons . *Environmental Quality Management*, Vol.34, pp.1–25 (2024).
- Sheoran, A.R, Lakra, N, Saharan, B.S, Luhach, A.Mandal, N.K.; Seth, C.S., Sharma, D.; Santal, A.R.; Surekha; Sadh, P.K.; Rajput, V.D.; Duhan, J.S.; Enduring drought: effects and strategies for Brassica crop resilience Strategies for Brassica Crop Resilience . *Academic Biology*, Vol.2(3), pp.45658 (2024).

3. Saharan, B.S.; Dhanda, D.; Mandal, N.K.; Kumar, R.; Sharma, D.; Sadh, P.K.; Jabborova, D.; Duhan, J.S.; Microbial Contributions to Sustainable Paddy Straw Utilization for Economic Gain and Environmental Conservation . *Current Research in Microbial Sciences*, Vol.7, pp.100264 (2024).
4. Rajacharya, G.H.; Sharma, A.; Yazdani, S.S.; Proteomics and Metabolic Burden Analysis to Understand the Impact of Recombinant Protein Production in E. coli . *Scientific Reports*, Vol.14(1), pp.12271 (2024) .
5. Sikarwar, M.; Mishra, V.S.; Tiwari, P.; Gupta, M.; Dholpuria, S.; Gupta, P.K.; Polyester Nanomedicines for Visceral Leishmaniasis Treatment . *Nanomedicine*, Vol. 18(22), pp.1515–1518 (2023).
6. Taruni Bajaj; Hina Alim; Ahmad Ali; Nimisha Patel; Synthesis of Plant Secondary Metabolites under the Influence of Elicitors, Application in Stress Management and In Vitro Techniques to Enhance Their Production . *Physiological and Molecular Plant Pathology*, Vol.140, pp.46357 (2025).
7. Baljeet Singh Saharan; Pushap Lata; Reema Deshwal; Dharmender Kumar; Swati Tyagi; Deepansh Sharma; Anita Santal; Neelam Kumari Mandal; Ramesh Kumar; Gajender Singh; Jayanti Tokas; Joginder Singh Duhan; Insights of Agricultural Sustainability by the Use of Earthworms . *Discover Agriculture*, Vol.3(1), pp.46054 (2025).
8. Neha M. Tripathi; Gajender K. Aseri; Amit K. Jain; Deepansh Sharma; Jasmeet Kaur; Deepti Singh; Isolation of *Acetobacter persici* DS1 from Over- Ripened Sapodilla Fruit as a Potential Strain for Fruit Vinegar Production . *Microbial Biosystems Journal* , Vol.10(3), pp. 111-122 (2025).
9. Monika; Chander; Sandeep Kumar; Deepansh Sharma; Jaymin Parikh; Nisha Padhiyar; Vinod Kumar Jain; Raees Muhammad; Pawan K Sharma; Krunal Modi; Sita Ram; 5-(4-chlorophenyl)-1-(4-sulphamoylphenyl)-1H-1,2,3-triazole-4-carbothioamide: UV–Vis Chemosensor for Cu<sup>2</sup> Ions and Potent Non-Toxic Biological Agent . *Journal of Chemical Sciences* , Vol.137(3), pp.41275 (2025).
10. Mehak Manzoor; Deepansh Sharma; Mohammad Zaki Shamim; Asma Jeelani; Bilal Ahmad Mir; M. Amin Mir; Neha Chauhan; Ercan Bursal; Probiotic Properties of *Pediococcus acidilactici* DS3 Isolated from Kanji: Naturally Fermented Black Carrot Juice . *The Microbe* , Vol.7, pp.46296 (2025).
11. Neha Mani Tripathi; Gajender Kumar Aseri; Deepansh Sharma; Deepti Singh; Comparative Ethanol Production by *Saccharomyces cerevisiae* and *Saccharomyces bayanus* Using Apple Juice Concentrate . *Microbial Biosystems Journal* , Vol.10(2), pp.266-274 (2025).
12. Neha Mani Tripathi; Puneet Kumar Singh; Asha Yadav; Krishna Kant Sharma; Amit Kumar Jain; Gajender Kumar Aseri; Deepansh Sharma; Deepti Singh; Draft Genome Sequence of *Acetobacter persici* DS1, a Strain for High-Acidity Vinegar Fermentation . *Microbiology Resource Announcements* , Vol.14(2), pp. e01119-24 (2025).
13. U Virkhare, G Govind, S Tewari, P Nimbalkar, A Dutta, D Kher; Pioneering biofertilization: Advanced Zinc Solubilizing bacteria use as a biostimulant for transforming mustard yield: A review . *Journal of Pure and Applied Microbiology* , Vol.19(3), pp.1662-1677 (2025).
14. Neha Thakur; Pallavi Singh; Aditi Bagri; Saumya Srivastava; Vinay Dwivedi; Asha Singh; Sunil Kumar Jaiswal; Sunny Dholpuria; Therapy resistance in prostate cancer: mechanism, signaling and reversal strategies . *Exploration of Targeted Anti-tumor Therapy*, Vol. 5(5), pp.1110 (2024).
15. Radhika Jaithaliya, Divya Jain, Dipjyoti Chakraborty and Kakoli Dutt; Characterization and Identification of Oleaginous Microalgae Isolated from Fresh Water for Biodiesel Production . *Current Green Chemistry*, Vol.12(4), pp.441-450 (2025).

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

Sr. No.	Particulars	Date/ Duration	Beneficiary Count
1	Expert lecture and Cheminformatics Workshop	21.11.2024	41
2.	Expert lecture organized by Dept of Life Sciences in collaboration with Institute innovation cell on Pathway to Innovation: A mentor- mentee visit for future leaders	05.12.2024	35

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

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

**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.	Prof. Sachin Teotia	Optima management and measuring performance parameter of agricultural crops using machine learning	02.05.2025	Indian Patent	Published

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

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	Parle Company Neemrana	22.10.2024 (1 Days)	Prof. Sachin Teotia Dr. Deepansh Dr. Ashima Sharma	35

**10 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. Deepansh Sharma	Standford university in collaboration with Elsevier	WORLD'S TOP 2% SCIENTISTS	2025

**11 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 LPA

## 12 Major Recruiters

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

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

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	Hot Plate	22,764/-	26.07.2024
2	pH Meter	24,200/-	31.07.2024
3	Printer	23,999/-	13.11.2024
4	UV-Visible Spectrophotometer	8,98,900/-	21.12.2024
5	Magnetic Stirrer	47,850/-	07.02.2025
6	Aluminium Cryocane	46,000/-	03.02.2025
7	Refrigerator Centrifuge	8,54,200/-	15.04.2025
8	Ice Making Machine	1,03,060/-	29.03.2025
9	FPLC	34,93,980/-	15.04.2025
10	PCR Machine	14,78,988/-	22.04.2025

## 14 Higher Education data of students

### PG Students

Sr. No.	Student's Name	Name of Exam	Roll Number	Percentile Score
1	Aastha Dua	Research Associate, THSTI	23001758001	
2	Bhumika	Officer, NAT Habit, Gurugram	23001758002	
3	Deepti Sharma	Research Assistant, IIT, Delhi	23001758004	
4	Diksha	Chemical Engineer, Dynachem india	23001758005	
5	Nirmit	Supervisor, Hindustan syringes and medical devices	23001758011	
6	Pratibha	Chemistry Analyst, Micates Resezrch And Lab	23001758015	
7	Kanika	Assistant professor, Institute of teachers education	23001756004	

8	Anjali Sharma	Research Assistant, Sri Satya Sai Sanjeevani Research foundation	23001755002
9	Ashwitha	Research Assistant, Sri Satya Sai Sanjeevani Research foundation	23001755003
10	Bhupendra	Production Executive, Ecogenics india pvt ltd.	23001755005
11	Mahima	Research Assistant, Sri Satya Sai Sanjeevani Research foundation	23001755011
12	Radha	Young professional-2, ICAR-NIPB, Pusa	23001755013
13	Rupali	Project Associate, CSIR-IMTECH, CHD.	23001755016

### UG Students

Sr. No.	Student's Name	Name of Institution	Program Enrolled
1	Aayushi	BU, Bhopal	M.Sc Microbiology
2	Aryan Thakur	Gujarat Biotechnology University	M.Sc Biotech
3	Ayushi Maurya	Jamia Hamdard University	M.Sc Toxicology
4	Charvee Mittal	Central University of Haryana	M.Sc Biotech
5	Deepali	BU, bhopal	M.Sc Microbiology
6	Dimple Sharma	Gujarat Biotechnology University	M.Sc Biotech
7	Geetika Sharma	JCBUST YMCA Faridabad	M.Sc EVS
8	Kashish	JCBUST YMCA Faridabad	M.Sc Biotech
9	Khushi Chaudhary	JCBUST YMCA Faridabad	M.Sc Biotech
10	Komal Sharma	Satyug Darshan Institute of Education and Research	B. Ed
11	Monika	JCBUST YMCA Faridabad	M. Sc EVS
12	Nandini	JCBUST YMCA Faridabad	M.Sc Biotech
13	Nikhil Chaudhary	JCBUST YMCA Faridabad	M.Sc Biotech
14	Prerna Sharma	PW, Faridabad	Govt Exam Preps
15	Sayma Siddiqui	Jamia Hamdard university	M.Sc Toxicology
16	Snehlata	JCBUST YMCA Faridabad	M.Sc Biotech
17	Tanushree	Sri Sharda Institute of Indian Management	PGDM

**15 Faculty served as Invited Speaker/Chair/Resource Person****Dr. Kakoli Dutt**

- National Conference Cum Workshop on "Sustainable Biotech Solutions for Global Challenges" to be held from 19th - 21st February, 2025 at Jamia Hamdard, New Delhi.

**Prof. Sachin Teotia**

- National Conference Cum Workshop on "Sustainable Biotech Solutions for Global Challenges" to be held from 19th - 21st February, 2025 at Jamia Hamdard, New Delhi.

**16 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
2	Minor Degree	3/4 year B.Sc. Visual Communication & Multimedia Technology
3	Post Graduate	M.A. Journalism & Mass Communication M.A. Social Work
4	Doctoral	Ph.D.

### 2 Details of Teaching Staff

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Pawan Singh	Ph.D.	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.	Rahul Arya	Ph.D.	Assistant Professor	Digital Media	18.10.2021
5.	Akhilesh Tripathi	Ph.D.	Assistant Professor	Social Work	15.09.2021
6.	K M 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.	Pankaj Saini	Production Assistant	M.Sc.	02.12.2022
3.	Himanshu Sharma	Technician	B.Tech	06.09.2019
4.	Vishal	Production Assistant	MA	04.08.2025
5.	Anju	Production Assistant	M.Sc.	22.08.2024

#### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	00
2	Publications in National Journals	02
3	Papers presented at International Conferences	01
4	Papers presented at National Conferences	01

#### 5 List of Publications

- i Kajal Verma, Pawan Singh Malik; From radio to web series: catalyst role of media in empowering women in the contemporary era, *Media Mimansa*, 19(2), pp27-28. (2025).
- ii Kajal Verma, Pawan Singh Malik; The sadharranikaran model of communication within the indigenous knowledge system: an appraisal. 10(4), 49-64, 2025

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

Sr. No.	Particulars	Date/ Duration	Beneficiary Count
1	Videography Workshop by Gajendra Rajpoot	25.06.2025 to 26.06.2025	50
2	Photography Workshop by Mr. Prakhar Bhargava	23.06.2025	50
3	Lecture on Basics of Ayurveda	23.04.2025	50
4	An expert lecture of Prof. R.K.Anayath was organised on “Philosophy of the Indian Knowledge System” collaboration with the IKS Cell and Vigyan BharatiHaryana.	11.04.2025	25
5	An expert lecture on “Philosophy of the Indian Knowledge System”	08.04.2025	25
6	Workshop on Basics of TV Production	27.03.2025	70
7	Workshop on Vedic Mathematics	24.02.2025	50
8	valedictory session of 4th Summer Internship	11.07.2025	100
9	BAJMC Students Visit Amar Ujala Printing Press	27.09.2024	155
10	One day Expert Lecture Topic- Start to Finish: UI/UX Designer	23.07.2024	30
11	One day Expert lecture on Building an Employment- Ready Profile	13.09.2024	30
12	Master Class on Bring your data to Life Interactive Vs Static Visualisation	13.09.2024	30
13	one day workshop on Clay Modelling workshop and Exhibition	13.08.2024	30
14	Workshop on Bridging the Traditional media practices and New Media	09.09.2024	40
15	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	STCs/STPS	1
2	Workshops	1
3	Conferences	3
4	FDPs	1

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

- Visit to All India Radio, Delhi on 13.03.2025.
- Visit to Surajkund Mela for Mass Communication and Journalism students on 20.02.2025.
- Organised Industrial visit to Amar Ujala newspaper on 27.09.2024
- Visit to Haryana Film Festival on 05.04.2025
- 10 day Educational Camp in Sagarpur from 12.02.2025
- Educational Visit to Mewat Firozpur on 03.07.2024
- Visit to GKFTII on 18.12.2024
- Industrial Visit to Kashmir on 05.09.2024

**9 Sponsored R & D Projects**

NIL

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

Sr. No.	Name of the Awardee	Awarding Agency(s)	Name of Award/Prize	Date of Receiving
1	Vistrit, Dhiren, and Hemant	District Youth Festival	1st, 2nd and 3rd	–

**11 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	500000	500000
2	BAJMC	48	30	300000	300000

**12 Major Recruiters**

Akash Coaching Institute, Pehchan Faridabad, Petridish Media Pvt. Ltd., Hindustan Tehelka News, Dream Events and Conferences, CAPEP India Trust, DPS Head Office Faridabad, TV9 Bharatvarsh Digital, News Impression Media, Sanchaar 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 idiotts communication, Defence Research and Development, Establishment (DRDO), Navus IT Services Limited.

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

Sr. No.	Particulars	Price (In Rs.)	Date of Purchase
1	20 Computers	1,20,000	21.07.2025

**14 Higher Education data of students****UG Students**

NIL

**PG Students**

Sr. No.	Student's Name	Name of Institution	Program Enrolled
1	Ishika Rawal	Manav Rachna University	Ph.D.

**15 Academic and Extension activities****Activities of students conducted by Department**

- Organized a 10 days Rural Camp by Social Work studnets in the village.

**16 Faculty served as Invited Speaker/Chair/Resource Person****Prof. Pawan Singh Malik**

- Invited as a speaker in Two Day National Semiar in CCSU,Meerut in Collboration with ICSSR on the topic"The many selves of sterssh: Screeing selfhood through Hindi Cinema for National Unity" on 30 th May 2025.
- Chaired a session One Day Multidisciplinary National Semiar on Stress Management Work Life Balance & Role of Positive Psychology at Workplace on 05.04.2025.
- Invited Speaker on 14.11.2024 on the topic 'Press,Media, Literacy and Youth".

## 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.	Ms. Pooja	Library Restorer	B.Lib. and Information Sci.	02.12.2024
2.	Mr. Pardeep	Peon	–	20.03.2025

### 4 Journal and Conference Publications

Sr. No.	Particular	Number
1	Publications in International Journals	01
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	Workshop – MA English Entrance Test 2025–2026	30/04/2025	35
2	Workshop – Discuss Pre-PhD Coursework	05/03/2025	35
3	Alumni Lecture	24/02/2025	50
4	Expert Lecture – ‘The Research Process: Application and Procedure’	18/02/2025	40
5	Expert Lecture – Indian Value System	13/11/2024	50
6	Expert Lecture – Language and Cognition: Reference to the Work on Noam Chomsky	08/11/2024	50
7	Induction Programme	22/10/2024 to 05/11/2024	300
8	Expert Lecture – Research Methodology in English Studies	25/09/2024	50
9	Expert Lecture – Literature and Language Axis	13/09/2024	50
10	Expert Lecture – “The Best Investments in Life: What Money Can’t Buy!”	05/09/2024	50

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

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

## 8 Placement details of Students

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	MA (English)	19	12	50000	20000

## 9 Higher Education/Competitive Exam data of students

Sr. No.	Name of the student	Name of the course	Name of the Institute/Univ.	Year of passing
1	Ms. Jyoti Verma	UGC NET Exam	UGC	25/02/2025

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

Dr. Divyajyoti Singh

- Application of Literature in Daily Life organized by K.L. Mehta Dayanand College for Women, Faridabad on October 7, 2024

## **11 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.
- Ad Litteram: An English Journal of International Literati – Member, Editorial Board

# **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 Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1.	Upasna Sehgal	Clerk	Graduation	22.02.2016
2.	Tarun Nagar	Peon	12th	29.03.2022

### 3 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

### 4 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	Advanced Water Waste Treatment	28.08.2024	6
2	Application of Organic Rankine Cycle and Kalina Technology for additional power generation	27.03.2025	72

### 5 Details of Industrial/Site Visits organized

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1	Bestech Biotech	19.03.2025	Dr. Rajesh Attri Dr. Sachin Shoran	06
2	Capital RMC Plant	09.04.2025	Dr. Rajesh Attri Dr. Sachin Shoran	06

# Central Instrumentation Lab

## CENTRAL INSTRUMENTATION LAB

**Director: Dr. Ravi Kumar**

### 1 About CIL

The CIL was established to support advanced research and provide “characterisation techniques for futuristic advanced research in various fields.” Its goal is to serve as a central hub for high-end instrumentation, enabling researchers, faculty, and students from different departments to access state-of-the-art equipment without each department needing its own full set.

### 2 Details of Staff

Sr. No.	Name	Highest Qualification	Designation
1.	Dr. Ravi Kumar	Ph.D.	Director, CIL
2.	Dr. Neha Mani Tripathi	Ph.D.	Project Associate-II
3.	Mr. Trilok	–	Lab Tech. [Under DST Purse Grant]

### 3 Details of Faculty Coordinators

Sr. No.	Instrument Name	Instrument Incharge
1	Scanning Electron Microscope (SEM)	Dr. Arun Kumar (Assistant Professor, Dept. of Physics) Dr. Kaushal Kumar (Assistant Professor, Dept. of Physics)
2	Atomic Force Microscope (AFM)	Dr. Anuj Arya (Associate Professor, Dept. of Physics)
3	UV–Vis–NIR Spectrophotometer	Dr. Vinod Kumar (Assistant Professor, Dept. of Chemistry) Dr. Somvir Balgar (Assistant Professor, Dept. of EVS)
4	FTIR Spectrophotometer	Dr. Sita Ram (Assistant Professor, Dept. of Chemistry) Dr. Navish Kataria (Assistant Professor, Dept. of EVS)
5	Ellipsometer	Dr. Anuj Arya (Associate Professor, Dept. of Physics)
6	Digital Microscope	Dr. Sanjay Kumar (Assistant Professor, Dept. of Mech. Engg.)
7	High Performance Liquid Chromatography (HPLC)	Dr. Deepansh Sharma (Associate Professor, Dept. of Life Sciences) Dr. Ashima Sharma (Assistant Professor, Dept. of Life Sciences)
8	Bioreactor	Dr. Deepansh Sharma (Associate Professor, Dept. of Life Sciences)
9	GCMS	Dr. Somvir Balgar (Assistant Professor, Dept. of EVS)

# **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**

## **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	Data Mining,	20.10.2018
2	Vimlesh Ojha	M.Tech	Assistant Professor	Web Development	20.10.2018
3	Kanchan Rani	M.Tech	Assistant Professor	Automobile Engg, Manufacturing Tech & Automation	20.10.2018
4	Savita Rani	MBA, M.Phil	Assistant Professor	Manufacturing	03.07.2023
5	Rupali Sinha	M.Tech	Assistant Professor	Electrical	01.02.2021
6	Ravi Kumar	M.Com, MBA	Lecturer	Finance and Marketing	16.06.2023
7	Priyanka	MA (Yoga)	Lecturer	Finance	07.10.2023
8	Vinita Garg	M.Com, MBA	Assistant Professor	Yoga	01.01.2021
9	Rahul Rohilla	MCA	Assistant Professor	Finance and Marketing	01.12.2020
10	Abhishek Kumar	M.Tech. (Electrical)	Assistant Professor	Web Development	26.11.2020
11	Sandeep Kumar	M.Tech	Assistant Professor	Power System	08.12.2020
12	Gaurav	M.Tech	Assistant Professor	Manufacturing Tech. & Automation	01.09.2018
13	Tarun Rawat	Masters in Yogic Science	Assistant Professor	Manufacturing Tech. & Automation	16.05.2022
14	Manjari Joshi	Masters in Yogic Science	Assistant Professor	Yoga Therapy	07.11.2022
15	Anita Sharma	M.Sc. (Physics)	Assistant Professor	Yoga Therapy	02.05.2022
16	Nitin Gupta	Phd (Physics)	Assistant Professor	Physics	07-11-2022
17	Ranjan Kumar	M.Sc. in Comp. Sci.	Assistant Professor	Nuclear Physics	07.11.2022
18	Garima Ahuja	M.A. (English)	Assistant Professor	Data Science	06.02.2023

## 3 Details of Non-Teaching Staff

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1	Komal Sorout	Lab Assistant	MCA	20.01.2020
2	Naveen	MIS Operator	MA	22.12.2020
3	Uttam Kumar	Robotics Programmer	M.Tech	28.06.2022
4	Neha	DEO	M.Sc	01.07.2021
5	Sonia Agarwal	Accountant	MCA	01.05.2019
6	Meenu	Helper/ Attendant	BA	01.06.2019
7.	Manish	JFM	10th	27.01.23

#### 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 Kuamar	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 2024-25 (Course Offered at PG Level):**

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

**7 Courses During the Year 2024-25 (Course Offered at UG Level)**

Sr. No.	Course	Duration	Intake
1	B. Voc. Web Development	3 years	5
2	B. Voc. Automobile	3 years	5
3	B. Voc. Electrical	3 years	5
4	B. Voc. Manufacturing	3 years	5
5	B. Voc. Automotive Manufacturing Technology (AMT)	3 years	6
6	B. Voc. Banking, Finances Services and Insurance	3 years	6

**8 Courses During the Year 2024-25 (Course Offered at Diploma Level)**

Sr. No.	Course	Duration	Intake
1.	Web Designing	1 year	50
2.	Yoga and Naturopathy	1 year	50

**9 Placement details of Students**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package (Annual)	Average package (Annual)
1	B.Voc.	60	15	25000	12000

**10 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

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

Sr. No.	Particulars	Dates Duration	Beneficiary Count
1	Stock Market Operations & Trading Mechanism	22.10.2024	50
2	Credit Risk Analysis and Credit Risk Management	13.11.2024	50
3	Personality Development & Interview Skills	18.11.2024	50
4	Investment concepts, market dynamics and financial instruments	03.02.2025	50
5	Investment awareness assessment through a gamified platform “FinHousie”	18.03.2025	50

## **Academic Section**

## ACADEMIC BRANCH

### 1 Constitution

Sr. No.	Name	Designation & Responsibility
1	Prof. (Dr.) Atul Mishra	Dean, Academic Affairs
2	Sh. Manish Gupta	Deputy Registrar
3	Dr. Jyoti Mor	Assistant Registrar
4	Sh. Ajay Sharma	Superintendent
5	Sh. Dinesh Arora	Personal Assistant
6	Ms. Sunita	Sr. Stenographer
7	Sh. Rajdeep	PA to Dean, Academic Affairs
8	Sh. Kishan Singh	Clerk
9	Sh. Sonu Sagar	Clerk
10	Sh. Lalit Kumar	Clerk
11	Sh. Tulshi Ram	Peon
12	Sh. Mohit Kumar	Peon (O/o the Dean, Academic Affairs)

### 2 Programmes Offered by the UTD's in AY 2024-25

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

Sr. No.	Department	Course/ Program	Level	Duration in Year(s)	Sanction Intake
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
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

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

**Note:** All B.Tech, BCA, BBA, M.Tech, MBA & MCA Programs are approved by the AICTE. \*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.



Course Name	AIC	BC	BC-A	BC-A-ESM	BCA- F	BC-B	BC-B-F	BC-ESM	BC-F	EWS	HGST	HOGC	HOGC-ESM	HOGC-F	KM	PH	PMSSS	ROHC	ROHC-	SC	SC-D	SC-ESM	SC-F	SGC	TFW	Grand Total
M.SC. (Mathematics)	12					1				2		23						2		1				1		42
M.SC. (Microbiology)	9									2		8						2								21
M.SC. (Physics)	4	1				2				1		21		5				3		1						38
M.SC. (Zoology)	7		1							1		7						2		3						21
M.Tech. (Computer Engineering)	1											1														2
M.Tech. (Computer Science & Engineering)	5		1							2		9		2											1	20
M.Tech. (Electronics & Communications Engineering)	2																	1						1		4
M.Tech. (Energy & Environmental Engineering)												2														2
M.Tech. (Mechanical Engineering Manufacturing and Automation Technology)	3																	1								4
M.Tech. (Power Electronics & Drives)	3											2														5
M.Tech. (VLSI DESIGN)												1														1
MA (English)	5	1										13														19
MA (Journalism & Mass Communication)	5		1			2						11						4		2						25
MA (Master of Social Work)	2		1									6								2						11
MBA (For Working Professionals (Weekend Programme))	8											10						3								21
MBA (MBA)	7	1	17			6	1	1	1	1	1	39	1	7	2			11	3	1			2		5	132
MCA (MCA (2 year))	8		7		1	4	2			6		21		1				4		8			1		3	66
<b>Grand Total</b>	<b>239</b>	<b>60</b>	<b>92</b>	<b>1</b>	<b>10</b>	<b>82</b>	<b>11</b>	<b>2</b>	<b>7</b>	<b>138</b>	<b>7</b>	<b>604</b>	<b>6</b>	<b>46</b>	<b>22</b>	<b>8</b>	<b>12</b>	<b>287</b>	<b>6</b>	<b>150</b>	<b>48</b>	<b>1</b>	<b>15</b>	<b>7</b>	<b>52</b>	<b>1913</b>



Course Name	Semester R-01			Semester R-03			Semester R-05			Semester R-07			Grand Total
	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	
M.Tech. (VLSI DESIGN)		1	1	0	0	0							1
MA (English)	18	1	19	19	1	20							39
MA (Journalism & Mass Communication)	19	6	25	16	9	25							50
MA (Master of Social Work)	7	4	11	0	0	0							11
MBA (For Working Professionals (Weekend Programme))	9	12	21	5	17	22							43
MBA (MBA)	70	62	132	72	59	131							263
MCA (MCA (2 year))	26	40	66	34	32	66							132
<b>Grand Total</b>	<b>895</b>	<b>1018</b>	<b>1913</b>	<b>968</b>	<b>1136</b>	<b>2104</b>	<b>572</b>	<b>922</b>	<b>1494</b>	<b>566</b>	<b>961</b>	<b>1527</b>	<b>7038</b>

# Scholarship Section

## SCHOLARSHIP 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. Satish Parewa	Peon (HKRNL)

### 3 Details of Scholarships

Sr. No.	Name of Scholarship	No. of students allowed	Amount per student (in Rs.)	No. of students eligible during 2024-25	Amount disbursed during 2024-25 (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	227	3699000 (To be disbursed by State Government)	BC Students whose parental income not more than 2.5 lacs per annum

Sr. No.	Name of Scholarship	No. of students allowed	Amount per student (in Rs.)	No. of students eligible during 2024-25	Amount disbursed during 2024-25 (in Rs.)	Eligibility Criteria
(b)	SC Post Matric Scholarship	No limit of number of students	tuition fee & other charges	356	31292026	SC students whose parental income not more than 2.50 lac per annum
<b>2. University Scholarships</b>						
(a)	Merit-Cum-Means (Rs.750/- p.m.)	15% of the sanctioned/ admitted strength of B.Tech./MCA/ME course or actual intake whichever is less	Rs.750/- per month student	29	108750	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
(b)	Financial Assistance to economically weak/needly students	No limit of number of students	Total fee (%age of recommended by Chairperosns)	13	350720	Financial assistance 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 a parents etc.
(c)	Governor/Chief Minister Gold Medal	1	Rs.75,000/- + Medal + Certificate	1	75000	Overall B.Tech. academic topper student
(d)	Chief Minister Gold Medal	1	Rs.65,000/- + Medal + Certificate	1	65000	Overall B.Tech. academic topper girl student
<b>3. Misc. Scholarships from outside agencies</b>						
(a)	Financial Assistance to economically weak/needly students by MOB (The Alumni Association)	No limit of number of students	Total fee (%age of recommended by Chairperosns)	15	645390	Financial assistance 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 a parents etc.

Sr. No.	Name of Scholarship	No. of students allowed	Amount per student (in Rs.)	No. of students eligible during 2024-25	Amount disbursed during 2024-25 (in Rs.)	Eligibility Criteria
(b)	AICTE J&K admitted student (PMSSS Scheme)	No limit of number of students	tuition fee & other charges	35	3119445	As per their norms
(c)	Vishwa Prakash Mission, Fbd.	No limit of number of students	tuition fee & other charges	50	1199000	As per their norms
(d)	RKM Scholarship	No limit of number of students	tuition fee & other charges	8	43250	As per their norms
(e)	Bharti Airtel Foundation Scholarship	25 Girl Students	Tuition fee only	50	1834625	As per their norms
(f)	Sri Sital Das Jain Education Society, Panipat	No limit of number of students	tuition fee & other charges	2	75000	As per their norms
(g)	Swami Dayanand Education Foundation, Noida	No limit of number of students	tuition fee & other charges	1	20000	As per their norms
(h)	National Scholarship Portal (NSP)	No limit of number of students	tuition fee & other charges	162	To be disbursed by Centre Government	As per their norms
Grand Total				950	38828206	

## **Affiliation and Registration Section**

## AFFILIATION & REGISTRATION SECTION

### Details of Staff

Name	Designation
Mr. Manish Gupta	Dy. Registrar
Mr. Gaurav Garg	Asst. Registrar
Mr. Vijay Kaushik	Superintendent (HKRNL)
Ms. Hema Singh	Asst. LP
Mr.Navdeep Singh	Clerk
Mr. Ravinder Singh	Asst.(HKRNL)
Mr. Pankaj Kumar	Clerk (HKRNL)
Mr. Satish Kumar Jha	Clerk (HKRNL)
Mr. Deepak Kumar	Peon (HKRNL)

### 1 List of Colleges of Palwal and Faridabad Affiliated With J.C. Bose UST, YMCA, Faridabad for AY 2024-25

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, Neharpaar, 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	: Yes
6.	**Seats increased/decreased by the College during the year	: Yes
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+60**
*BBA	BBA- Specialization in Digital Marketing	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. Sumesh Jain
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	: 740
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
M.Tech	Electronics and Communication Engineering	09

**Anangpuria School of Management & Technology****Old Name : B.S. ANANGPURIA INSTITUTE OF TECHNOLOGY & MANAGEMENT, FARIDABAD**

1.	Name of the Director/ Principal	: Dr. Monika Gaur
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	: 609
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	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	: 08
3.	Total number of intake of all courses	: 094
4.	Total student's strength in all courses	: 270
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
BBA	BBA	60
BBA-Digital Marketing	BBA-Digital Marketing	60
BCA	BCA	60

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

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.) Sudarshan Goswmai
2.	Total number of courses offered by the college	: 15
3.	Total number of intake of all courses	: 1014
4.	Total student's strength in all courses	: 1938
5.	New Courses started by the College during the year	: Yes

Name of Course	Branch	Intake
B. Tech.	Computer Science and Engineering (Cyber Security)	60

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

Name of Program	Previous Intake	Seats Increased/ Decreased	Total Intake
B. Tech Computer Science and Engineering	150	90	240
B. Tech Computer Science And Engineering(Data Science)	30	30	60
B. Tech Mechanical 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	Civil Engineering	30
B. Tech	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	60
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
MCA	MCA	60
MBA	MBA	60

**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	: 49
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	: 15
3.	Total number of intake of all courses	: 735
4.	Total student's strength in all courses	: 1164
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

6.	Seats increased/decreased by the College during the year	: Nil
7.	Any Course discontinued by the College	: No

**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
BCA	BCA	30

**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	: Dr. Shailendra Kumar
2.	Total number of courses offered by the college	: 08
3.	Total number of intake of all courses	: 570
4.	Total student's strength in all courses	: 1267
5.	*New Courses started by the College during the year	: Yes
6.	Seats increased/decreased by the College during the year	: Yes

Name of Program	Previous Intake	Seats Increased/Decreased	Total Intake
BBA (Specialization in Digital Marketing 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
*B. Tech	Computer Engineering	60
*BCA	BCA	60
BBA	BBA	60
BBA	(Industry Integrated) - Financial Services & Banking	120
BCA	(Industry Integrated)- Data Science	60

**SHRI RAM COLLEGE OF ENGINEERING & 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	: 698
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	15
B.Tech	Computer Science and Engineering	60
B.Tech	Mechanical Engineering	60
B.Tech	Civil Engineering	30
BBA	BBA	60
BCA	BCA	120
BBA	BBA- Digital Marketing	60

**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	Computer Science & Engineering	24
M.Tech	Transportation Engineering and Management	24
MCA	MCA	60

**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	: 47
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.Voc	Electrical	60
B.Voc	Tool & Die Manufacturing	60
B.Voc	Web Development	60

# **Examination Section**

## EXAMINATION BRANCH

### 1 Staff Details

Name	Designation
Dr. Rajiv Kumar Singh	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
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. Aviral Mishra	Clerk
Sh. Raj Kumar	Peon
Sh. Suraj	Peon
Sh. Saurabh	Peon
Ms. Kavita	Peon

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

Course	Program	Year	Sem	Dec-24			Dec-24			Pass %
				Appeared			Passed			
				Boys	Girls	Total	Boys	Girls	Total	
B. Tech	Civil Engineering-002	Dec-24	1st	57	12	69	28	6	34	49.3
	Computer Engineering-003	Dec-24	1st	116	32	148	78	28	106	71.6
	Electrical Engineering-007	Dec-24	1st	47	11	58	23	10	33	56.9
	Electronics & Communication Engineering-008	Dec-24	1st	58	37	95	15	12	27	28.4
	Information Technology-011	Dec-24	1st	57	16	73	48	16	64	87.7
	Mechanical Engineering-013	Dec-24	1st	118	17	135	50	13	63	46.7
	Electronics & Computer Engineering-015	Dec-24	1st	53	22	75	25	19	44	58.7
	Computer Engineering with Specialization in Data Science-016	Dec-24	1st	57	16	73	47	12	59	80.8
	Electronics Engineering-017	Dec-24	1st	43	25	68	26	20	46	67.6
	Environmental Engineering-019	Dec-24	1st	3	9	12	0	7	7	58.3
	Robotics and Artificial Intelligence-020	Dec-24	1st	24	8	32	16	6	22	68.8
	Computer Engineering Hindi Medium-050	Dec-24	1st	23	11	34	12	7	19	55.9
	Mechanical Engineering Hindi Medium-051	Dec-24	1st	16	2	18	3	1	4	22.2
BBA	BBA -301	Dec-24	1st	27	39	66	13	24	37	56.1
BCA	BCA -311	Dec-24	1st	27	41	68	15	25	40	58.8
B. Sc.	B. Sc. Physics -321	Dec-24	1st	20	19	39	2	6	8	20.5

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	B. Sc. Chemistry-322	Dec-24	1st	6	47	53	5	37	42	79.2
	B. Sc. Mathematics-323	Dec-24	1st	17	23	40	6	15	21	52.5
	B. Sc. Animation And Multimedia-324	Dec-24	1st	23	15	38	3	7	10	26.3
	B. Sc. Mathematics and Computing-326	Dec-24	1st	6	5	11	3	4	7	63.6
BAJMC	BA Journalism & Mass Communication-351	Dec-24	1st	23	28	51	4	17	21	41.2
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	Dec-24	1st	21	45	66	15	44	59	89.4
BA	BA Bachelor of Social Work-353	Dec-24	1st	6	4	10	0	3	3	30.0
M. Tech	M. Tech. Computer Engineering-502	Dec-24	1st	1	1	2	1	0	1	50.0
	M. Tech. Computer Science & Engineering-504	Dec-24	1st	10	11	21	7	10	17	81.0
	M. Tech. Electronics & Communication Engineering-505	Dec-24	1st	2	2	4	2	2	4	100.0
M. Tech	Energy & Environmental Engineering-520	Dec-24	1st	1	1	2	1	1	2	100.0
M. Tech	Mechanical Engineering Manufacturing and Automation Technology-524	Dec-24	1st	1	3	4	1	3	4	100.0
MCA	MCA -602	Dec-24	1st	41	27	68	33	25	58	85.3
MBA	MBA-701	Dec-24	1st	64	72	136	49	63	112	82.4
M. SC.	M. Sc. Chemistry-751	Dec-24	1st	7	47	54	3	38	41	75.9
M. SC.	M. Sc. Physics-752	Dec-24	1st	6	32	38	3	13	16	42.1

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
M. SC.	M. Sc. Mathematics-753	Dec-24	1st	10	32	42	6	21	27	64.3
M. SC.	M. Sc. Environmental Science-754	Dec-24	1st	2	14	16	1	13	14	87.5
M. SC.	M. Sc. Biotechnology-755	Dec-24	1st	1	21	22	0	14	14	63.6
M. SC.	M. Sc. Botany-756	Dec-24	1st	1	14	15	0	7	7	46.7
M. SC.	M. Sc. Zoology-757	Dec-24	1st	1	20	21	1	10	11	52.4
M. SC.	M. Sc. Microbiology-758	Dec-24	1st	2	20	22	1	5	6	27.3
M. SC.	M. Sc. Animation Multimedia-759	Dec-24	1st	6	2	8	2	1	3	37.5
MA	MA Journalism & Mass Communication-771	Dec-24	1st	6	19	25	5	18	23	92.0
MA	MA English-772	Dec-24	1st	2	19	21	1	14	15	71.4
B. Tech	Civil Engineering-002	Dec-24	3rd	58	14	72	17	8	25	34.7
	Computer Engineering-003	Dec-24	3rd	112	34	146	72	31	103	70.5
	Electrical Engineering-007	Dec-24	3rd	51	23	74	19	13	32	43.2
	Electronics & Communication Engineering-008	Dec-24	3rd	53	20	73	18	12	30	41.1
	Information Technology-011	Dec-24	3rd	56	17	73	41	16	57	78.1
	Mechanical Engineering-013	Dec-24	3rd	121	28	149	57	20	77	51.7
	Electronics & Computer Engineering-015	Dec-24	3rd	62	13	75	33	11	44	58.7
	Computer Engineering with Specialization in Data Science-016	Dec-24	3rd	57	18	75	45	18	63	84.0
	Electronics Engineering-017	Dec-24	3rd	57	17	74	11	7	18	24.3

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Environmental Engineering-019	Dec-24	3rd	1	5	6	0	1	1	16.7
	Robotics and Artificial Intelligence-020	Dec-24	3rd	28	10	38	15	8	23	60.5
	Computer Engineering Hindi Medium-050	Dec-24	3rd	30	7	37	9	3	12	32.4
BBA	BBA -301	Dec-24	3rd	23	38	61	21	38	59	96.7
BCA	BCA -311	Dec-24	3rd	22	45	67	22	43	65	97.0
B. Sc.	B. Sc. Physics -321	Dec-24	3rd	12	19	31	5	17	22	71.0
	B. Sc. Chemistry-322	Dec-24	3rd	9	49	58	4	25	29	50.0
	B. Sc. Mathematics-323	Dec-24	3rd	12	28	40	5	14	19	47.5
	B. Sc. Animation And Multimedia-324	Dec-24	3rd	17	19	36	4	7	11	30.6
	B. Sc. Life Science-325	Dec-24	3rd	5	55	60	2	29	31	51.7
	B. Sc. Mathematics and Computing-326	Dec-24	3rd	4	4	8	1	2	3	37.5
BAJMC	BA Journalism & Mass Communication-351	Dec-24	3rd	8	34	42	6	23	29	69.0
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	Dec-24	3rd	25	38	63	23	35	58	92.1
BA	BA Bachelor of Social Work-353	Dec-24	3rd	9	10	19	3	9	12	63.2
M. Tech	M. Tech. Computer Science & Engineering-504	Dec-24	3rd	11	7	18	11	7	18	100.0
	M. Tech. Electronics & Communication Engineering-505	Dec-24	3rd	3	1	4	2	1	3	75.0
	M. Tech Power Electronics & Drives-518	Dec-24	3rd	3	1	4	3	1	4	100.0

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
M. Tech	Energy & Environmental Engineering-520	Dec-24	3rd	5	0	5	5	0	5	100.0
M. Tech	Mechanical Engineering Manufacturing and Automation Technology-524	Dec-24	3rd	4	0	4	4	0	4	100.0
MCA	MCA -602	Dec-24	3rd	31	34	65	27	32	59	90.8
MBA	MBA-701	Dec-24	3rd	58	70	128	55	70	125	97.7
MBA	MBA Executive-704	Dec-24	3rd	17	5	22	16	5	21	95.5
M. SC.	M. Sc. Chemistry-751	Dec-24	3rd	7	47	54	6	43	49	90.7
M. SC.	M. Sc. Physics-752	Dec-24	3rd	6	42	48	4	38	42	87.5
M. SC.	M. Sc. Mathematics-753	Dec-24	3rd	9	34	43	3	23	26	60.5
M. SC.	M. Sc. Environmental Science-754	Dec-24	3rd	1	18	19	1	18	19	100.0
M. SC.	M. Sc. Biotechnology-755	Dec-24	3rd	3	19	22	3	19	22	100.0
M. SC.	M. Sc. Botany-756	Dec-24	3rd	0	17	17	0	10	10	58.8
M. SC.	M. Sc. Zoology-757	Dec-24	3rd	1	21	22	1	21	22	100.0
M. SC.	M. Sc. Microbiology-758	Dec-24	3rd	4	16	20	2	7	9	45.0
M. SC.	M. Sc. Animation Multimedia-759	Dec-24	3rd	6	4	10	2	0	2	20.0
MA	MA Journalism & Mass Communication-771	Dec-24	3rd	9	16	25	9	16	25	100.0
MA	MA English-772	Dec-24	3rd	1	20	21	1	18	19	90.5
B. Tech	Civil Engineering-002	Dec-24	5th	37	14	51	16	11	27	52.9
	Computer Engineering-003	Dec-24	5th	104	45	149	75	33	108	72.5
	Electrical Engineering-007	Dec-24	5th	43	19	62	18	14	32	51.6

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Electronics & Communication Engineering-008	Dec-24	5th	53	20	73	27	13	40	54.8
	Information Technology-011	Dec-24	5th	15	59	74	11	33	44	59.5
	Mechanical Engineering-013	Dec-24	5th	125	15	140	50	10	60	42.9
	Electronics & Computer Engineering-015	Dec-24	5th	50	19	69	33	15	48	69.6
	Computer Engineering with Specialization in Data Science-016	Dec-24	5th	56	17	73	45	16	61	83.6
	Electronics Engineering-017	Dec-24	5th	38	30	68	17	24	41	60.3
	Environmental Engineering-019	Dec-24	5th	4	4	8	2	2	4	50.0
	Robotics and Artificial Intelligence-020	Dec-24	5th	29	5	34	17	4	21	61.8
	Computer Engineering Hindi Medium-050	Dec-24	5th	23	10	33	16	8	24	72.7
	Mechanical Engineering Hindi Medium-051	Dec-24	5th	2	0	2	0	0	0	0.0
BBA	BBA -301	Dec-24	5th	23	40	63	23	40	63	100.0
BCA	BCA -311	Dec-24	5th	32	30	62	27	27	54	87.1
B. Sc.	B. Sc. Physics -321	Dec-24	5th	20	26	46	13	18	31	67.4
	B. Sc. Chemistry-322	Dec-24	5th	10	45	55	2	38	40	72.7
	B. Sc. Mathematics-323	Dec-24	5th	18	44	62	8	38	46	74.2
	B. Sc. Animation And Multimedia-324	Dec-24	5th	20	17	37	7	11	18	48.6
	B. Sc. Life Science-325	Dec-24	5th	9	32	41	6	29	35	85.4

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
BAJMC	BA Journalism & Mass Communication-351	Dec-24	5th	18	26	44	17	26	43	97.7
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	Dec-24	5th	17	47	64	17	47	64	100.0
BA	BA Bachelor of Social Work-353	Dec-24	5th	10	5	15	9	5	14	93.3
B. Tech	Civil Engineering-002	Dec-24	7th	50	11	61	38	11	49	80.3
	Computer Engineering-003	Dec-24	7th	113	38	151	110	38	148	98.0
	Electrical Engineering-007	Dec-24	7th	49	16	65	39	14	53	81.5
	Electronics & Communication Engineering-008	Dec-24	7th	43	27	70	36	25	61	87.1
	Information Technology-011	Dec-24	7th	55	13	68	55	13	68	100.0
	Mechanical Engineering-013	Dec-24	7th	115	22	137	105	22	127	92.7
	Electronics & Computer Engineering-015	Dec-24	7th	54	16	70	53	16	69	98.6
	Computer Engineering with Specialization in Data Science-016	Dec-24	7th	52	16	68	47	16	63	92.6
	Electronics Engineering-017	Dec-24	7th	48	20	68	37	16	53	77.9
B. Tech	Civil Engineering-002	May-25	2nd	60	11	71	10	4	14	19.7
	Electrical Engineering-007	May-25	2nd	47	23	70	14	11	25	35.7
	Electronics & Communication Engineering-008	May-25	2nd	59	15	74	37	11	48	64.9
	Information Technology-011	May-25	2nd	57	16	73	43	13	56	76.7

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Mechanical Engineering-013	May-25	2nd	133	19	152	39	10	49	32.2
	Electronics & Computer Engineering-015	May-25	2nd	54	22	76	37	21	58	76.3
	Computer Engineering with Specialization in Data Science-016	May-25	2nd	57	16	73	38	12	50	68.5
	Electronics Engineering-017	May-25	2nd	42	25	67	26	19	45	67.2
	Environmental Engineering-019	May-25	2nd	3	9	12	0	2	2	16.7
	Robotics and Artificial Intelligence-020	May-25	2nd	24	8	32	16	6	22	68.8
BBA	BBA -301	May-25	2nd	27	39	66	16	31	47	71.2
BCA	BCA -311	May-25	2nd	27	41	68	16	33	49	72.1
B. Sc.	B. Sc. Physics 321	May-25	2nd	20	19	39	3	11	14	35.9
	B. Sc. Chemistry 322	May-25	2nd	6	47	53	0	2	2	3.8
	B. Sc. Mathematics-323	May-25	2nd	17	23	40	4	14	18	45.0
	B. Sc. Animation And Multimedia-324	May-25	2nd	23	15	38	5	7	12	31.6
	B. Sc. Mathematics and Computing-326	May-25	2nd	6	5	11	3	4	7	63.6
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	May-25	2nd	21	45	66	12	35	47	71.2
M. Tech	M. Tech. Computer Engineering-502	May-25	2nd	1	1	2	1	0	1	50.0
	M. Tech. Computer Science & Engineering-504	May-25	2nd	10	11	21	8	11	19	90.5
MCA	MCA -602	May-25	2nd	41	27	68	29	21	50	73.5
MBA	MBA-701	May-25	2nd	64	73	137	35	58	93	67.9
M. SC.	M. Sc. Physics-752	May-25	2nd	6	33	39	3	23	26	66.7

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %	
M. SC.	M. Sc. Mathematics-753	Sc.	May-25	2nd	10	32	42	7	23	30	71.4
M. SC.	M. Sc. Environmental Science-754	Sc.	May-25	2nd	2	14	16	1	14	15	93.8
M. SC.	M. Sc. Biotechnology-755	Sc.	May-25	2nd	1	21	22	0	13	13	59.1
M. SC.	M. Sc. Botany-756		May-25	2nd	1	15	16	1	8	9	56.3
M. SC.	M. Sc. Zoology-757		May-25	2nd	1	20	21	1	12	13	61.9
M. SC.	M. Sc. Microbiology-758	Sc.	May-25	2nd	1	20	21	1	6	7	33.3
M. SC.	M. Sc. Animation Multimedia-759		May-25	2nd	6	2	8	6	2	8	100.0
MA	MA Journalism & Mass Communication-771		May-25	2nd	6	19	25	5	18	23	92.0
	MA English 772		May-25	2nd	2	19	21	1	18	19	90.5
B. Tech	Civil Engineering-002		May-25	4th	56	14	70	2	5	7	10.0
	Computer Engineering-003		May-25	4th	114	34	148	80	33	113	76.4
	Electrical Engineering-007		May-25	4th	49	23	72	22	12	34	47.2
	Electronics & Communication Engineering-008		May-25	4th	50	20	70	19	12	31	44.3
	Information Technology-011		May-25	4th	55	17	72	44	17	61	84.7
	Mechanical Engineering-013		May-25	4th	118	27	145	61	18	79	54.5
	Electronics & Computer Engineering-015		May-25	4th	61	13	74	29	12	41	55.4
	Computer Engineering with Specialization in Data Science-016		May-25	4th	57	18	75	38	17	55	73.3
	Electronics Engineering-017		May-25	4th	58	17	75	22	13	35	46.7

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Environmental Engineering-019	May-25	4th	1	5	6	0	2	2	33.3
	Robotics and Artificial Intelligence-020	May-25	4th	27	10	37	13	8	21	56.8
	Computer Engineering Hindi Medium-050	May-25	4th	29	8	37	18	8	26	70.3
	Mechanical Engineering Hindi Medium-051	May-25	4th	11	1	12	0	0	0	0.0
BBA	BBA -301	May-25	4th	23	38	61	21	37	58	95.1
BCA	BCA -311	May-25	4th	22	43	65	16	40	56	86.2
B. Sc.	B. Sc. Physics -321	May-25	4th	12	19	31	9	18	27	87.1
	B. Sc. Chemistry-322	May-25	4th	8	49	57	6	32	38	66.7
	B. Sc. Mathematics-323	May-25	4th	12	28	40	4	18	22	55.0
	B. Sc. Animation And Multimedia-324	May-25	4th	16	19	35	12	10	22	62.9
	B. Sc. Life Science-325	May-25	4th	5	50	55	2	33	35	63.6
BAJMC	BA Journalism & Mass Communication-351	May-25	4th	10	34	44	8	31	39	88.6
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	May-25	4th	25	38	63	18	33	51	81.0
BA	BA Bachelor of Social Work-353	May-25	4th	9	10	19	6	8	14	73.7
M. Tech.	M. Tech. Computer Science & Engineering-504	May-25	4th	11	7	18	11	7	18	100.0
MCA	MCA -602	May-25	4th	31	34	65	31	34	65	100.0
MBA	MBA-701	May-25	4th	58	70	128	57	70	127	99.2
MBA	MBA Executive-704	May-25	4th	17	5	22	17	5	22	100.0

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
M. SC.	M. Sc. Chemistry-751	May-25	4th	7	47	54	5	40	45	83.3
M. SC.	M. Sc. Physics-752	May-25	4th	5	41	46	4	39	43	93.5
M. SC.	M. Sc. Mathematics-753	May-25	4th	9	34	43	6	26	32	74.4
M. SC.	M. Sc. Environmental Science-754	May-25	4th	1	18	19	1	18	19	100.0
M. SC.	M. Sc. Biotechnology-755	May-25	4th	3	19	22	3	19	22	100.0
M. SC.	M. Sc. Botany-756	May-25	4th	0	17	17	0	16	16	94.1
M. SC.	M. Sc. Zoology-757	May-25	4th	1	19	20	1	15	16	80.0
M. SC.	M. Sc. Microbiology-758	May-25	4th	4	16	20	4	15	19	95.0
M. SC.	M. Sc. Animation Multimedia-759	May-25	4th	6	4	10	5	4	9	90.0
MA	MA English-772	May-25	4th	1	20	21	1	20	21	100.0
	Computer Engineering-003	May-25	6th	104	45	149	92	43	135	90.6
	Electrical Engineering-007	May-25	6th	43	19	62	17	14	31	50.0
	Electronics & Communication Engineering-008	May-25	6th	53	20	73	27	13	40	54.8
	Information Technology-011	May-25	6th	59	15	74	52	15	67	90.5
	Mechanical Engineering-013	May-25	6th	121	15	136	71	13	84	61.8
	Computer Engineering with Specialization in Data Science-016	May-25	6th	56	17	73	52	17	69	94.5
	Electronics Engineering-017	May-25	6th	39	30	69	15	19	34	49.3
	Robotics and Artificial Intelligence-020	May-25	6th	29	5	34	20	4	24	70.6

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Computer Engineering Hindi Medium-050	May-25	6th	23	10	33	16	9	25	75.8
	Mechanical Engineering Hindi Medium-051	May-25	6th	1	0	1	1	0	1	100.0
BBA	BBA -301	May-25	6th	23	40	63	23	40	63	100.0
BCA	BCA -311	May-25	6th	32	30	62	22	26	48	77.4
B. Sc.	B. Sc. Physics -321	May-25	6th	20	26	46	14	25	39	84.8
	B. Sc. Chemistry-322	May-25	6th	10	45	55	5	41	46	83.6
	B. Sc. Mathematics-323	May-25	6th	18	44	62	5	29	34	54.8
	B. Sc. Animation And Multimedia-324	May-25	6th	20	17	37	18	17	35	94.6
	B. Sc. Life Science-325	May-25	6th	9	27	36	7	26	33	91.7
B. Com	B. Com. Bachelor of Commerce (Hons.)-352	May-25	6th	17	47	64	17	47	64	100.0
BA	BA Bachelor of Social Work-353	May-25	6th	9	5	14	9	5	14	100.0
B. Tech	Civil Engineering-002	May-25	8th	50	11	61	49	11	60	98.4
	Computer Engineering-003	May-25	8th	113	38	151	113	38	151	100.0
	Electrical Engineering-007	May-25	8th	49	16	65	48	16	64	98.5
	Electronics & Communication Engineering-008	May-25	8th	43	27	70	43	27	70	100.0
	Information Technology-011	May-25	8th	55	13	68	55	13	68	100.0
	Mechanical Engineering-013	May-25	8th	115	22	137	114	22	136	99.3
	Electronics & Computer Engineering-015	May-25	8th	53	16	69	53	16	69	100.0

Course	Program	Year	Sem	Boys	Girls	Total	Boys	Girls	Total	Pass %
	Computer Engineering with Specialization in Data Science-016	May-25	8th	52	16	68	52	16	68	100.0
	Electronics Engineering-017	May-25	8th	48	20	68	47	20	67	98.5

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

## DEAN STUDENTS' 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, Department of Electronics Engineering	Dean Student Welfares
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	Somya		7011049466
				Shivam		8076687883
2	Niramayam	Dr. Sachin Gupta,	9896048093	Ankita		7206546140
		Dr. Jyoti Mor	9560150070	Ashish		80766710143

Sr. No.	Club	Faculty Coordinator/ Co-coordinator	Contact No.	J. (Student Coordinator)	Sec.	Contact No.
<b>Cultural Clubs</b>						
3	Vividha	Dr. Sangeeta Dhull	9910747602	Vishnu		9958040729
		Ms. Lavita Virmani	9050939606	Karambir		9817025535
4	Nataraja Western	Dr. Rashmi Popli,	9810862658	Garima		7988332725
		Dr. Raveena	9999984364	Raghav Shandilya		9650914859
5	Nataraja Haryanvi			Sahil Bainsla		8744959009
				Nandini		9310115470
6	Nataraja Bhangra			Aashish		9053291400
				Ankit		9671547402
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	Ethiccraft Club	Dr. Kalpana Sheokand	8920544024	Prince Rathore		9411002958
		Dr. Lalit Mohan Goyal	8882212748	Vijay Kumar		8860392811
		Dr. Anubha Gautam	9990287227	Praduman Singh		8901433085
				Rajat Prajapati		7052245594
				Deepanshu		9728902237
10	Vivekanand Manch	Prof. Pradip Dimri	9968433183	Veer		8607272723
		Dr. Suraj Goyal	9417728292	Himanshu		8586039631
				Deepika		7015212116
				Monika		9053149412

Sr. No.	Club	Faculty Coordinator/ Co-coordinator	Contact No.	J. (Student Coordinator)	Sec.	Contact No.
11	Ananya, the Unparalleled	Dr. Ashlesha	9891466310	Dwarkanesh		9873051066
				Shruti		7012666613
				Chirag		8076649771
				Arushi Jailkhani		8295249361
12	Vasundhra Club	Eco- Dr. Renuka Gupta	9999692469	Shivam		8930928637
				Tushar Sheokand		7206041194
<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	Ankur Yadav		9467188465
				Deepak		9821287225
				Shaurya		9910828531
15	Mechnext	Dr. Sanjay Kumar	7838721130	Mohit		9518643781
				Nishant		9625567855
				Vinayak		9625942216
				Krishan		7827419176
16	Microbird	Mr. Mukesh Garg Ms. Poulami Jana	9891553044 9818318345	Nilesh		9319601021
				Parag		9205104060
17	Samarpan	Dr. Manju Kumari Ms. Rachna	9891659175, 8585972708	Aditya Pal		8700542504
				Pankaj Sachdeva		9996821094
				Himanshu Dedha		9773819027
				Pulkit Mangla		9971815790
				Suchet Kumar		8929807715
				Chirag Rai		8368621261

Sr. No.	Club	Faculty Coordinator/ Co-coordinator	Contact No.	J. (Student Coordinator)	Sec.	Contact No.
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	Aanosaangick 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
				Anish Tewatia		9315750247
22	SAE SUPRA			Lokesh		9560920754
				Saket Soni		9817405662
				Reeshab Yadav		8377817397
				Shaurya Chaubey		8448140532
				Aaditya Sharma		9467404512
<b>CELLS</b>						
23	NSS	Dr. Atma Ram	9899836017	Bhumeer		9667947323
				Aryan Sharma		9582026842
24	YRC	Dr. Navish Kataria Ms. Pooja	9017125821 7289087736	Mohit Kumar		9560341224
				Twinkle		7011950863
				Gagan		9466667002
				Vishnu		7531919048
				Chirag		7988004579
				Sejal		8529554962

#### 4 Major Activities During the Academic year 2024-25

EVENTS' REPORT INDEX		
Sr. No.	Date of Event	Name of the Event
1	01.07.2024	Project prayas - Till may 2025
2	01.07.2024	Project Annapurna- till may 2025
3	01.07.2024	Project education-till may 2025
4	11.08.2024	MNIT Jaipur Sphinx
5	13.08.2024	Anti Ragging Slogan Writing Competition
6	15.08.2024	Independence Day Celebration
7	15.08.2024	Foundation Day Celebration
8	31.08.2024	IIT GUHWATI- Escalade
9	05.09.2024	Teacher's Day Celebration
10	08.09.2024	Flexmania
11	13.09.2024	Cad session
12	16.09.2024	Foundation Day
13	22.09.2024	ML AI session
14	18.10.2024	Lingyaas fest
15	19.10.2024	Naac visit
16	22.10.2024	Induction FET 2024-2025
17	25.10.2024	NTPC - Vigilance Awareness Speech Competition
18	28.10.2024	Induction FIC 2024-2025
19	10.11.2024	Understanding various domains in IT sector
20	11.11.2024	Code Relay 3.0

Sr. No.	Date of Event	Name of the Event
21	11.11.2024	Coding Blocks
22	11.11.2024	British parliamentary Debate for Club Members
23	15.11.2024	Annual Sports fest of echelon
24	18.11.2024	AIU
25	21.11.2024	Yugam'24
26	22.11.2024	AIU North Zone volleyball
27	25.11.2024	North Zone basketball
28	26.11.2024	Constitution Day quiz competition
29	06.12.2024	Dr. Bhim Rao Ambedkar death anniversary
30	11.12.2024	AIU kabbadi
31	24.12.2024	AIU Archery ( M )
32	01.04.2025	Nav Vikram samvat 2082
33	17.01.2025	Auto Expo 2025
34	25.01.2025	Declamation Competition
35	26.01.2025	Repubic Day parade
36	26.01.2025	Republic Day Celebration
37	05.02.2025	Mission panchi
38	11.02.2025	Arravali inter college
39	14.02.2025	Urja'25
40	16.02.2025	Induction program
41	21.02.2025	Rawfest(rawal institution fest)
42	22.02.2025	AIU Wushu
43	21.03.2025	AIU kickboxing
44	27.03.2025	IIT Kanpur - Techkriti
45	28.03.2025	AAROHAN'25
46	28.03.2025	Oben Electric
47	03.04.2025	Speech Competiton
48	15.04.2025	Ambedkar jayanti quiz competition
49	16.04.2025	Student Bhangra Workshop (in 2024) + Baisakhi (in 2025)
50	21.04.2025	Code Cadet
51	22.04.2025	Xunbao
52	23.04.2025	Echleon
53	25.04.2025	Tech and Beyond
54	25.04.2025	Zenith 4.0
55	03.05.2025	CAD Design Competition
56	13.05.2025	Science conclave cultural evening
57	14.05.2025	Science Conclave - Cultural Evening
58	16.05.2025	Road safety awareness program
59	21.05.2025	India Inked
60	02.06.2025	CrossRoads - A Conventional Debate For Freshers

## 5 Student Achievements in SAE IJYA – Club

- Team Ijya participated in Hero SIEP e-Bike challenge in Aug 2024 held in Bhopal. The team cleared the technical inspection and won the best innovation award.

## 6 Student Achievements in Vividha – The Dramatics Club

- Vishnu, Sarvam, and Kanishka secured first place in the filmmaking competition at DTU's Technical Fest.
- Vishnu, Sarvam, Kanishka, and Avni secured second place in the short film competition at Aryabhata College (DU).
- Achieved recognition in the Nukkad Natak competition at LMNIT Jaipur.
- Performed Nukkad Natak at Surajkund Mela 2025.

## 7 Achievements in Sports

- Kapil Yadav secured 3rd position in the 800m race Thapar University Patiala
- The team of Kapil Yadav, Kapil Sharma, Ashish, and Manpreet secured 3rd place in the 4×100m relay race Thapar University Patiala.
- The team of Khushhal, Atiksh, Jatin, Ashwin, and Garvit secured 3rd place in chess IIT Ropar
- Kapil Yadav secured 2nd position in the 800m race IIT Ropar
- Anurag won gold in javelin throw IIT Ropar
- Khushmeet Kaur won gold in chess Aravali College
- In women's badminton, Gunjan secured 1st place, and Shruti secured 2nd place Aravali College
- In men's badminton, Vineet secured 1st place, and Amandeep secured 2nd place, marking a dominant performance in the event Aravali College
- Shubham won silver in kickboxing AIU National Level Kickboxing Tournament
- Jai also won silver in a different weight category AIU National Level Kickboxing Tournament
- Kashyap secured bronze in kickboxing in another weight category. AIU National Level Kickboxing Tournament

## 8 Achievements in NCC

- Lieutenant (Dr.) Mahesh Chand, faculty member of Mechanical Deptt, undergone 75 days Army training at NCC Officers Training Academy, Kamptee, Nagpur (MH) during 29 July-11 Oct, 2024 and successfully completed the Pre-Commission course.
- NCC Alumni Cadet Tushar Dalal got selected and joined the Indian Army in September 2024 as an officer after successfully passing the 61st SSC (Technical) Course of Officer Training Academy, Chennai.
- Cadet Sahil of Army Wing studying in B.Tech (Mechanical Engg) has attended prestigious NCC camp i.e. Youth Exchange Program (YEP) at Nepal during 21.02.2025 to 04.03.2025
- Cadet Dev Khokhar of Naval Wing studying in B.Tech (Mechanical Engg) has attended prestigious NCC camp i.e. Overseas Deployment Camp (OSD) on Indian Coast Guard Ship to East Asia i.e. Indonesia, Japan & Singapore during 16.12.2024 to 03.02.2025.
- 30 NCC Cadets of both Army & Naval wing along with staff of Centre for NCC attended 03 days Adventure Camp at Jim Corbett National Park, Uttarakhand and Lansdown Cantt. Uttarakhand during 20-22 March 2025
- 01 Naval Cadet attended All India Nau Sainik Camp at INS Shivaji, Lonavala, Maharashtra during 25 Aug-05 Sept 2024.
- Cadet Prince of Naval cadet got selected as Clerk in Indian Army in 2024-25.

# 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 2024-25:**

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 2024-25:**

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 2024-25:**

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 2024-25:** 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 2024-25:**

Branch	Total students (A)	Eligible & Interested students (B)	Total Placement with (H/B)	Offer % intern	Min Package (LPA)	Max. package (LPA)	Average (LPA)	Median Package
B.Tech CE	176	145	123	84.83	46.38	8.11 LPA	6 LPA	
B.Tech CE (DS)	69	57	41	71.93	17.3 LPA	10.50 LPA	8.25 LPA	
B.Tech IT	69	58	54	93.1	23.1LPA	8.49 LPA	7.28 LPA	
B.Tech ECE	71	55	55	100	17.3 LPA	7.13 LPA	6 LPA	
B.Tech (IOT)	71	46	35	76.09	15.5 LPA	7.10 LPA	6 LPA	
B.Tech EL	65	45	44	97.78	13.52	6.58 LPA	6 LPA	
B.Tech Mech.	144	134	134	100	15.56	5.38 LPA	5 LPA	
B.Tech Civil	60	18	18	100	15 LPA	6.21 LPA	6 LPA	
B.Tech ENC	70	40	39	97.5	24 LPA	9.35 LPA	6 LPA	
B.Tech. EVS	13	7	5	71.43	6 LPA	6 LPA	6 LPA	
B.Tech. RAI	31	22	22	100	10 LPA	8.21 LPA	8.5 LPA	
Total	839	627	570					

**3 STUDENTS PLACED IN MAJOR COMPANIES DURING YEAR**

Sr. No.	Name of Company	Pay Package (INR)
1	Amazon	4638000
2	Google	2400000
3	JP Morgan Chase & Company	1975000
4	ION Group	1730000
5	Amazon Business - Tech (F)	1556000
6	Nuclear Power Corporations Of India Ltd	1500000
7	Omniful Technologies	1400000
8	Flipkart	1352000
9	Josh Technology Group.	1323200
10	Docquity Services Pvt. Ltd.	1300000
11	Eagle View Solution Private Limited	1284000
12	Stellaraa Education Pvt Ltd	1200000
13	Yamaha Motor Solution india	1100000
14	United Airlines Business Services pvt ltd	850000
15	Gensol Group	850000

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Sr. No.	Name of Company	Pay Package (INR)
16	Honda Cars India Ltd HCIL	840000
17	Dabur	750000
18	Mc dermatt	750000
19	Veersa Technologies	728269
20	Triumph Motorcyceles india Pvt ltd	700000
21	KPMG	700000

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# **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 13.07.2024 and is valid for two years.

Sr. No.	Name	Designation
1	Prof. S.K. Tomar, Vice-Chancellor, JC Bose UST, YMCA, Faridabad, Haryana.	Chairperson
2	Dr. Meha Sharma, Registrar, JC Bose UST, YMCA, Faridabad, Haryana.	Member - Administration
3	Prof. Sandeep Grover, Professor-Mechanical Engg. Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Member - Administration
4	Prof. Munish Vashisth, Dean Student Welfare, JC Bose UST, YMCA, Faridabad, Haryana.	Member - Administration
5	Prof. Komal Kumar Bhatia, Controller of Examination, JC Bose UST, YMCA, Faridabad, Haryana.	Member - Administration
6	Prof. Rajesh Kumar Ahuja, Training & Placement Officer, JC Bose UST, YMCA, Faridabad, Haryana.	Member - Administration
7	Prof. Atul Mishra, Dean Academic Affairs, JC Bose UST, YMCA, Faridabad, Haryana.	Member - Administration
8	Prof. Vikram Singh, Professor-Mechanical Engg. Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Member
9	Prof. Anju Gupta, Professor-Electrical Engg. Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Member
10	Prof. Maneesha Garg, Professor-Physics Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Member
11	Dr. Sachin Teotia, Professor- Life Sciences Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Member
12	Dr. Neelam Duhan, Assoc. Professor- Computer Engg. Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Member
13	Dr. Rachna Agrawal, Assoc. Professor- Management Studies Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Member
14	Dr. Ravi Kumar, Assoc. Professor- Chemistry Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Member
15	Dr. Pawan Singh Malik, Assoc. Professor- Journalism and Mass Communication Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Member
16	Dr. Reena Garg, Asst. Professor- Mathematics Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Member
17	Dr. Bhupender Singh, Asst. Professor- Mechanical Engg. Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Member
18	Prof. Rajni Shukla, Director-IQAC, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Haryana.	Member - Outside Expert
19	Prof. Anil Kumar Vashisth, Dean Academic Affairs, Kurukshetra University, Kurukshetra, Haryana.	Member - Outside Expert

20	Sh. Sukhdev Singh, President MOB, JC Bose UST, YMCA, Faridabad, Haryana.	Member – Alumnus/ Industrialist
21	Sh. S.S Banga, MD, Victora Tools, Faridabad, Haryana.	Member – Outside Expert/Industrialist
22	Dr. Partap Singh, Principal, Government Polytechnic Mandkola, Palwal, Haryana.	Member- Outside Expert
23	Prof. Jagat Bhushan, Controller of Examination, Panjab University, Chandigarh.	Member – Outside Expert/ Industrialist
24	Sh. Rakesh Sethi, Vishwa Prakash Mission, Faridabad, Haryana.	Member – Local Society
25	Ms. Dhanisha, (Research Scholar- Mathematics Deptt), JC Bose UST, YMCA, Faridabad, Haryana.	Member-student
26	Ms. Nandni Singh, (EE Student), JC Bose UST, YMCA, Faridabad, Haryana.	Member-student
27	Mr. Sahil Kaushik, (JMC Student), JC Bose UST, YMCA, Faridabad, Haryana.	Member-student
28	Mr. Vatsal Batra (RAI Student), JC Bose UST, YMCA, Faridabad, Haryana.	Member-student
29	Prof. Ashutosh Dixit, Professor-Computer Engg. Deptt., JC Bose UST, YMCA, Faridabad, Haryana.	Director IQAC/ Member- Secretary

## 5 Meetings/Activities of IQAC

Sr. No.	Activities/Meetings	Date of Conduct
1.	Conducted 18th IQAC meeting	13.12.2024
2.	AQAR (2023-24) submitted on NAAC portal	27.01.2025
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.	Green, Environment, Energy, Waste Management, Soil & Water, Air Quality and Hygiene Audits as per ISO/IEC 17020:2012	24.09.2025
8.	Expert Talk/Lecture on the topic "Strategies of NAAC Accreditation" by Prof. Sandeep Grover	05.12.2024
9.	Expert Talk/Lecture on the topic "An Insight into NIRF Ranking" by Prof. Sandeep Grover	24.12.2024
10.	Conduct a brainstorming Session to discuss the draft of the UGC Regulations, 2025	25.02.2025
11.	Verification of API score for the promotion of Senior Professors (HAG scale)	As and when cases were received during the Year

# 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 Affair 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 Affair 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. Sonia Bansal	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 Matter 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.	Courtesy Visit by YMCA MOB office bearers	07.02.2025
2.	56th Foundation Day	16.09.2024
3.	Visit of Hon'ble Governor of Haryana	29. 07.2024

## **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 Constitution**

Sr. No.	Name of the Memmber	Designation
1.	Prof. Neelam Turk	Chairperson
2.	Prof. Lakhwinder Singh	Member
3.	Dr. Maneesha Garg, Associate Professor, Deptt. Of Physics	Member
4.	Prof. Sandhya Dixit, Deptt. of Mech. Engg.	Member
5.	Mrs. Renu Dagar, Asstt. Law Officer	Member
6.	Mrs. Arti Singh, Superintendent	Member
7.	Sr. Udai Narain Singh Khushwaha, Instructor	Member
8.	Prof. Promila Pathak, Punjab University, Chandigarh	Member
9.	Mrs. Sarla (Women Representative from NGO)	Member
10.	Sh. Rakesh Sethi (from VPM)	Member
11.	Ms. Bhume Sharma, B. Tech Electrical (2nd year) Roll No. 20001007013	Member
12.	Ms. Yashika Bhadana, BBA (5th Sem.) (Roll No. 22001301064)	Member
13.	Mr. Dhruv Singhal, B. Tech (Electronics & Comp. Engg.), 5th Sem (Roll No. 22001015016)	Member

#### **3 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.

#### 4 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.

#### 5 Events/Activities/Achievements During the Year (2024-25)

Sr. No.	Date of Meeting	Agenda of Meeting	Participants
1	Awareness campaign by ICC members during orientation program of newly admitted UG/PG Courses	25.10.2024	Students of Department of Sciences and Lifesciences
2	Expert lecture by ICC members during orientation program of newly admitted UG/PG Courses	24.10.2024	Students of Department of Electrical Engineering and Electronics Engineering
3	Expert lecture by ICC members during orientation program of newly admitted UG/PG Courses	24.10.2024	Students of Department of Mechanical Engineering and Civil Engineering
4	Expert lecture by ICC members during orientation program of newly admitted UG/PG Courses	29.10.2024	Students of Department of Computer Engineering. And Information Technology, Computer Application
5	Poster competition on Gender Sensitization	12.10.2024	University Students
6	Celebrate International Women's Day	08.03.2025	Teaching and Non-Teaching members and University Students
7	Pink day celebration	09.03.2025	Teaching and Non- Teaching members and University Students

**6 Annual Return on Cases of Sexual Harassment (2024-25):**

Date	Activity	Ministry/Department
1.	Number of Complaints of Sexual Harassment received in the year	05
2.	Number of complains disposed of during the year	05
3.	Number of cases pending for more than 90 days	NIL
4.	Nature of Action	Case1. Minor penalty imposed under CSR (punishment and appeal rules 2016) Case2. Complaint withdrawn by complainant Case3. Written apology tender taken by both the parties Case4. Written apology tender taken from the delinquent. Case5. Speaking order issued against the complainant as the no case proved.

## SC/ST WELFARE CELL

### 1 Introduction

The SC/ST Cell of the University aims to promote the academic, social, and personal development of students. It works to create an inclusive and supportive environment that encourages academic excellence. The Cell also offers career guidance and psychological counselling, helping students build confidence, enhance their capacities, and achieve holistic development.

### 2 Constitution

Sr. No.	Name & Designation	Responsibility
1.	Prof. Sanjeev Kumar, Mech. Engg.	In-Chair
2.	Dr. Anushree Chauhan, Assistant Professor, Management Studies Deptt.	Member
3.	Dr. Ompal Singh, Assistant Professor, Physics Deptt.	Member
4.	Mr. Jogender Singh Gaud, Superintendent (VCS/ Exams)	Member
5.	Ms. Renu Dagar, Assistant Law officer	Convener

### 3 Meetings Conducted

Sr. No.	Date of Meeting	Agenda of Meeting
1.	16.10.2024	Regarding NBA team interaction
2.	12.12.2024	Sharing of activities with SEDGS Cell
3.	19.02.2025	Issues of students
4.	23.04.2025	New Constitution of SC/ST Cell

# **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@jboseust.ac.in, itcell@jboseust.ac.in, itcellymca@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	Avnee, Vanshika, keshav, Charvi
5.	Senior Coordinators	Naman, Tushar, Gungun

## 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
22.09.2024	One Day Awareness Workshop on "CyberSecurity" by Mr. Sunny Tyagi	200+ audience
07.10.2024 to 10.10.2024	DIGI-WEEK 2K24 Annual TechWeek	500+ participants
06.12.2024	Prize Distribution Ceremony to Digiweek Winners.	Winners and Cell members.

Date	Name of Activity	Number of Participants
10.02.2025	Recruitment of new students for the year 2025.	300+ participants
14.02.2025		
20.03.2025	Expert Lecture on Cybersecurity by Dr. Sanjay Tyagi.	200+ audience
12.04.2025	In-house Cybersecurity session on Google meet platform.	Cell members
16.04.2025	In-house Competitive programming session in offline mode.	Cell members
17.04.2025	In-house AI- ML session in offline mode.	Cell members
18.04.2025	In-house Web Development session in offline mode.	Cell members
21.04.2025	In-house Designing session in offline mode.	Cell members
22.04.2025	In-house Anchoring session in offline mode.	Cell members
25.04.2025	In-house Git/LinkedIn session on Google meet platform.	Cell members
26.04.2025	In-house Video Editing session on Google meet platform.	Cell members

## 8 Reports of the Activities with Photographs of YEAR

### 1. One Day Awareness Workshop on “CyberSecurity” by Mr. Sunny Tyagi

After an enlightening session with Dr. Rakshit Tandon on CyberSecurity, we had another impactful One-Day Awareness Workshop with Mr. Sunny Tyagi. The session focused on real-world cyber threats, preventive measures, and best practices to stay safe in the digital space. His insights were eye-opening, making cybersecurity awareness more accessible and practical. Grateful for such valuable learning experiences.

### 2. Digiweek 2K24 ( 7oct – 10 Oct)

Digi week 2024, the flagship annual technical event was organized by the University Computer Centre & Digital Affairs (UCC&DA) from 7th October – 10th 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.

### 3. Prize Distribution Ceremony – Digiweek 2k24

The week concluded with a grand prize ceremony to celebrate the efforts and achievements of all participants and winners. The event was graced by the esteemed presence of: Dean Prof. C.K. Nagpal, Director IQAC Prof. Ashutosh Dixit, Director UCC&DA Dr. Shruti Mittal, Ms. Deepika Punj, Co-ordinator. UCC&DA Certificates, and technical goodies were distributed to the winners amidst loud cheers and applause. The ceremony marked the culmination of a successful Digiweek 2024, leaving everyone inspired and motivated for future endeavours.

### 4. In-House Cybersecurity Session (12.04.2025)

The University Computer Centre and Digital Affairs organized an In-house cybersecurity session on 12.04.2025 at 8:00 pm and the meet was on Google Meet platform. The session was conducted under the guidance of Ms. Tanishtha Sehgal. She took a very interesting session on cybersecurity and ethical hacking roadmap, cyber kill chain, types of hackers, and basics of networking. There were around 20 members of the cell and the event took almost 1.5 hours to finish.

### 5. In-House Competitive Programming Session (16.04.2025)

To boost beginners’ skills, Tushar and Siddhi conducted engaging offline sessions on Competitive Programming. They explored C++ STL, time complexity, problem-setting, inbuilt functions, and binary search. These sessions aimed to

sharpen problem-solving and coding efficiency, vital for excelling in competitive programming contests and technical interviews.

6. In-House AI-ML Session (17.04.2025)

Charvi and Sakshi hosted offline AI-ML sessions for beginners, guiding them through a roadmap to master the field. They covered essential Python basics, including libraries like NumPy and Pandas, and introduced AI-ML concepts like model training and data preprocessing. These sessions aimed to build a strong foundation for tackling real-world AI challenges.

7. In-House Web Development Session (18.04.2025)

In this digital age, your website is the cornerstone of your online presence. It's the equivalent of a physical store; the customer's experience once they're inside is just as important as the impression they have before they enter. To help newcomers enhance their skills, the web development team—Bhumika, Bhawna, Aditi, and Ritika—organized an internal session on web development. These session was a huge success, with active participation from the students from various other domains.

8. In-House Designing Session (21.04.2025)

To enhance the design skills of our junior team members, Shobhit, Avnee, and Keshav led a practical design session. They provided hands-on tips and guidance, assigning tasks that were not only educational but also highly engaging for the juniors.

9. In-House Anchoring Session (22.04.2025)

To help students master the art of public speaking, Pranjal, Vanshika, and Anshu led a comprehensive anchoring session. They provided essential tips on how to deliver a confident performance, offered practical advice for overcoming stage fright, and highlighted common mistakes to avoid. The session included engaging tasks that allowed participants to apply their new skills in a supportive environment.

10. In-House Git/Linkedin Session (25.04.2025)

Pranjal and Dhruv Bhardwaj hosted an exceptional online session via Google Meet, covering two of the most crucial tools for any professional today: Git and LinkedIn. They provided a clear and practical introduction to the fundamentals of Git, making this complex tool accessible to everyone. The session went beyond the basics, offering a wealth of invaluable tips on how to craft a standout LinkedIn profile. They taught participants how to strategically highlight their skills, experience, and accomplishments to attract recruiters and build a strong professional network.


11. In-House Video Editing Session (26.04.2025)

To provide hands-on training in video editing, Naman conducted an interactive session via Google Meet. The session covered the basics of video editing, offering practical tips on how to effectively use various editing platforms. Participants were also given a task to apply their newly acquired skills, which helped solidify their understanding of the concepts.

# 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 04th April, 2022 of the Haryana Govt. Thereafter it is reconstituted on 08.09.2025 vide letter No. Estb/R-2/2025/2023. 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 instils a sense of integrity amongst the employees of the University. It encourage various activities/programme related to anticorruption 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 Memmber	Designation
1	Prof. Manjeet Singh Deptt. of Computer Application	Chairman
2	Prof. Vikash Kumar Deptt. of Mechanical Engineering	Member
3	Prof. Sanjeev Kumar Deptt. of Mechanical Engineering	Member
4	Prof. Pradeep Kumar Deptt. of Electronics Engineering	Member
5	Prof. Vasdev Malhotra Deptt. of Mechanical Engineering	Member
6	Prof. Pawan Singh Malik Deptt. of Comm. & Media Technology	Member
7	Dr. Rajiv Kumar Singh Control of Examination	Member
8	Dr. Sita Ram Asstt. Prof. Deptt. of Chemistry	Member
9.	Ms. Renu Dagar Asst. Law Officer	Member & Convener

E-Mail: [vigilance@jcboseust.ac.in](mailto: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	15.07.2024	The meeting was called to finalize the draft of the brochure design by all the members.

2	05.07.2024	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.
3	17.07.2024	A meeting after the release of the foreign student's brochure was called to assign the duties like 1. Check and reply for the enquiries on daily basis received through University in-house admission portal 2. Reply for inquiries on daily basis that will be received on a daily basis on ia official mail id 3. To support in social campaign with PRO and brochure and application form to students.
4	20.08.2024	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.
5	12.01.2025	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.
6	13.04.2025	A Meeting to to decide hostel fee charges, course fee revision and for brochure review was called.
7	01.05.2025	The meeting was primarily meant for discussing the design and content aspects of Foreign Admission Brochure prepared by Mr. Sushil.
8	29.05.2025	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.	Release of EoI for social campaigns	24.05.2025
2.	Launching online campaign for foreign student admission - release report/ flyer	05.07.2024 & 23.07.2025
3.	An expert lecture on the topic 'Damage Monitoring of CFRP laminates during drilled by electrical impedance measurement'	27.11.2024

#### 5 Achievements

1. Successfully registered with Study-In-India Program.
2. MoU signed for Academic Exchange between J. C. Bose University of Science and Technology, YMCA and Graduate School of Science and Engineering, Ehime University, Matsuyama, JAPAN on 16.08.2024.

**6 Prominent academic activities**

- Conducted expert lecture on " Damage Monitoring of CFRP laminates during drilled by electrical impedance measurement?" on 27.11.2024, by 'Prof. Keiji Ogi', Graduate School of Science and Engineering, Ehime University, Japan.

## INSTITUTION'S INNOVATION COUNCIL 8.0

### 1 Introduction

The Institution's Innovation Council (IIC) at J.C. Bose University of Science and Technology is a pivotal initiative under the Ministry of Education's Innovation Cell. Established in 2022, the council is dedicated to cultivating a robust culture of innovation, entrepreneurship, and startup development among students and young researchers.

Our operations center on a comprehensive performance framework recognized by the MIC star ranking system. We organize a diverse array of activities, including hackathons, ideathons, and e-summits, alongside technical workshops and motivational sessions led by successful innovators. These initiatives span critical domains such as technology advancement, IPR management, and problem-solving through both online and offline platforms.

We focus on establishing a functional ecosystem for scouting ideas and providing pre-incubation support. By highlighting faculty and student projects and creating a mentor pool of investors and professionals, we bridge the gap between academic concepts and industrial application.

Through these strategic functions, we aim to develop the cognitive abilities of technology students, empower them to identify real-world problems through field visits, and prepare the institute for excellence in the Atal Ranking of Institutions on Innovation Achievements (ARIIA) framework.

### 2 Constitution

Sr. No.	Name & Designation	Responsibility
1	Dr Rashmi Agrawal, Associate Professor	President
2	Dr Poonam, Assistant Professor	Vice President
3	Dr Nikhil Dev, Assistant Professor	Convener
4	Dr. Yogita, Assistant Professor	IPR Activity Coordinator
5	Ms. Raveena, Assistant Professor	Member
6	Dr. Rashi Gupta, Assistant Professor	Member
7	Dr. Nimisha Patel, Assistant Professor	Member
8	Mr. Arko, Assistant Professor	Member
9	Ms. Pooja, Assistant Professor	Member
10	Dr. Arti Gupta, Assistant Professor	Member
11	Dr. Neha Goyal, Assistant Professor	Member
12	Dr Ashlesha Gupta, Assistant Professor	Start up Activity Coordinator
13	Dr Arpita Chatterjee, Assistant Professor	Internship Activity Coordinator
14	Dr Payal Gulati, Assistant Professor	NIRF Coordinator

15	Dr Rohit Tripathi, Assistant Professor	Innovation Activity, Member
16	Mr. Yogesh Kumar Morya, Assistant Professor	Member
17	Dr Pooja Gupta, Assistant Professor	Member
18	Dr Sakshi Tiwari, Assistant Professor	Member
19	Dr O.P. Mishra, Assistant Professor	Member

### 3 Meetings Conducted

Sr. No.	Name of Activity	Number of Participants	Date
1	National Space Day	80	23.08.2024
2	Mentoring Session	18	12.09.2024
3	Panel Discussion (From Idea to Impact: Building a Thriving Entrepreneurial Culture)	80	21.09.2024
4	IDEATHON: Innovative Project Showcase	62	06.11.2024
5	Startup Exhibition	6	16.11.2024 17.11.2024
6	Workshop on “Entrepreneurship and Innovation as Career Opportunity”	70	20.11.2024
7	Mentor-Mentee Visit: Tagore Academy School, Faridabad	42	22.11.2024
8	Converting Innovation into Start-Up	57	28.11.2024
9	Basics of Intellectual Property Rights and Its Importance for Innovators and Entrepreneurs	74	28.11.2024
10	Sustainable Innovation	52	29.11.2024
11	Expert Lecture on Entrepreneurship Skill, Attitude and Behavior Development	49	05.11.2024
12	Expert Lecture on Entrepreneurship Skill, Attitude and Behavior Development	80	06.12.2024
13	Mentor- Mentee Visit (Organizing Innovation and Entrepreneurship outreach programs in school)	45	17.02.2025
14	Industrial Visit to NICMAR, Bahadurgarh, Haryana (Delhi-NCR Campus)	67	18.02.2025
15	Expert Talks on "Process of Innovation Development & Technology Readiness Level (TRL)" and “Commercialization of Lab Technologies & Tech-Transfer”	51	24.02.2025
16	Workshop: Effective Sales and Marketing Strategies for Entrepreneurs/Start-ups	63	25.02.2025
17	Science Day Activity (Quiz Competition)	20	25.02.2025

18	One Day workshop on entitled “Achieving Problem-Solution Fit and Product Market-Fit”	43	17.03.2025
19	One Day workshop entitled “Design thinking in Physics”	37	28.03.2025
20	Exposure/Visit to JIVA Ayurveda	20	22.04.2025
21	One Day workshop entitled “Planning Physics based start-ups”	37	25.04.2025
22	A Business Plan Competition	25	01.05.2025
23	Workshop – Intellectual Property Rights and IP Management for startups	50	02.05.2025
24	Workshop on Prototype/Process Design and Development	53	09.05.2025
25	B-Plan Pitch–Presentation of Business Plans	50	09.05.2025
26	National Technology Day 2025 Celebration	250	12.05.2025
27	Raising Capital and Managing Finances for Startup	122	12.05.2025
28	Intellectual Property Rights Day	34	15.05.2025
29	Business Model Canvas	34	16.05.2025

#### 4 Achievements

- i. Dhruv Singhal of our student branch won 3rd position in Tech-Startup Weekend E-cell DTU.
- ii. Dhruv Singhal of our student branch secured a Top Ten rank in the CP contest at VIT Vellore.
- iii. Dhruv Singhal of our student branch was shortlisted for Stage Two in Manthan Ideathon at Enactus DTU.
- iv. Dhruv Singhal of our student branch won 1st position in Divaquest quiz organized by IEEE JSSATEN SB.
- v. Rishabh Koul, Pranjal Sethi, and Dhurva Saxena of our student branch achieved a Top Four finish in Innvortex 2.0 (Reimagine event) by IGDTUW.
- vi. Nihal Kumar and Nayan Singhal of our student branch won 1st Position in Dev-Expo at NSUT.
- vii. Nihal Kumar and Nayan Singhal of our student branch won 2nd Position in the Israeli-Indian Hackathon at Thapar University, Patiala.
- viii. Nihal Kumar and Nayan Singhal of our student branch won 1st position in Pitch Challenge’25 at YMCA, Faridabad.
- ix. Tushar, Aastha, and Nikhil Mishra of our student branch won 3rd Position in Pitch Challenge’25 at YMCA, Faridabad.
- x. Dhurva Saxena, Rishabh Koul, and Pranjal Sethi of our student branch were Winners in Interessanate 2.0 at SGGSCC, Delhi University.
- xi. Dhurva Saxena, Rishabh Koul, and Pranjal Sethi of our student branch were Top 18 finalists out of 165 participants in the Code Veda Hackathon at ADGIPS, IPU.

## 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. Rajiv Kumar Singh, Controller of Examination	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 related to the Department of Mechanical Engineering	Chairperson, Department of Mechanical Engineering	Prof. Arvind Kumar, Department of Mechanical Engineering	chairperson.me@jboseust.ac.in, 0129-2310108
2.	Information related to the Department of Computer Engineering	Chairperson, Department of Computer Engineering	Prof. Ashutosh Dixit, Department of Computer Engineering	chairperson.ce@jboseust.ac.in, 0129-2310179
3.	Information related to the Department of Computer Application	Chairperson, Department of Computer Application	Dr. Shilpa Sethi, Department of Computer Application	chairperson.ca@jboseust.ac.in, 0129-2310139
4.	Information related to the Department of Electrical Engineering	Chairperson, Department of Electrical Engineering	Prof. P. R. Sharma, Department of Electrical Engineering	chairperson.ee@jboseust.ac.in, 0129-2310191
5.	Information related to the Department of Electronics Engineering	Chairperson, Department of Electronics Engineering	Prof. Munish Vashishath, Department of Electronics Engineering	chairperson.ece@jboseust.ac.in, 0129-2310141
6.	Information related to the Department of Civil Engineering	Chairperson, Department of Civil Engineering	Dr. Rajni Saggi, Department of Civil Engineering	chairperson.civil@jboseust.ac.in, 0129-2310155

7.	Information related to the Department of Life Sciences	Chairperson, Department of Life Sciences	Dr. Kakoli Dutt, Department of Life Sciences	chairpersonlifesciences@jcboseust.ac.in, 0129-2310116
8.	Information related to the Department of Physics	Chairperson, Department of Physics	Prof. Sonia, Department of Physics	chairpersonphysics@jcboseust.ac.in, 0129-2310116
9.	Information related to the Department of Chemistry	Chairperson, Department of Chemistry	Dr. Ravi Kumar, Department of Chemistry	chairperson.chemistry@jcboseust.ac.in,
10.	Information related to the Department of Mathematics	Chairperson, Department of Mathematics	Prof. Neetu Gupta, Department of Mathematics	chairperson.mathematics@jcboseust.ac.in, 0129-2310116
11.	Information relating to Environmental Department (EVS)	Chairperson, Department of Environmental Sciences	Dr. Renuka Gupta, Department of Environmental Sciences	chairperson.evs@jcboseust.ac.in,
12.	Information related to the Department of Management Studies	Chairperson, Department of Management Studies	Dr. Rajiv Sindwani, Department of Management Studies	chairperson.mba@jcboseust.ac.in, 0129-2310172
13.	Information related to the Department of Business Studies	Chairperson, Department of Business Studies	Dr. Manisha Goel, Department of Business Studies	chairperson.bs@jcboseust.ac.in, 0129-2310172
14.	Information related to the Department of Communication and Media Technology	Chairperson, Department of Communication and Media Technology	Prof. Pawan Singh, Department of Communication and Media Technology	chairperson.cmt@jcboseust.ac.in, 0129-2310179
15.	Information related to the Department of Literature and Languages	Chairperson, Department of Literature and Languages	Prof. Divyajyoti Singh, Department of Literature and Languages	chairperson.hum@jcboseust.ac.in, 0129-2310179
16.	Information related to the Centre for Energy Studies	Chairperson, Centre for Energy Studies	Prof. Neelam Turk, Centre of Energy Studies	chairperson.eee@jcboseust.ac.in, 0129-2310125
17.	Information related to the Community College of Skill Development	Principal, Community College of Skill Development	Prof. Sanjeev Goyal, Community College of Skill Development	principalccsd@jcboseust.ac.in, 0129-2310175
18.	Information relating to R&D Cell	Director, R&D	Prof. Maneesha Garg, Research & Development (R&D)	maneeshagarg@jcboseust.ac.in, 0129-2310125
19.	Information relating to Legal Cell	Assistant Law Officer	Ms. Renu Dagar, Assistant Law Officer	legalcell@jcboseust.ac.in, 0129-2310125
20.	Information relating to Internal Quality Assurance Cell	Director, IQAC	Prof. Ashutosh Dixit, Department of Computer Engineering	iqac@jcboseust.ac.in, 0129-2310126
21.	Information relating to Alumni Affairs Cell	Dean Alumni Affairs	Prof. Sonia, Department of Physics	alumniacorporateaffairs@jcboseust.ac.in, 0129-2310163

22.	Information relating to Women Cell	Chairperson, ICC	Prof. Neelam Turk, Centre of Energy Studies	icc@jboseust.ac.in, 0129-2310125
23.	Information relating to SC/ST Cell	Chairperson, SC/ST Cell	Prof. Sanjeev Kumar, Department of Mechanical Engineering	sanjeev@jboseust.ac.in, 0129-2310125
24.	Information relating to Equal Opportunity Cell	Chairperson, Equal Opportunity Cell	Prof. Sanjeev Goyal, Principal (CCSD)	sanjeev@jboseust.ac.in, 0129-2310125
25.	Information relating to RTI Cell	First Appellate Authority (FAA)	Dr. Rajiv Kumar Singh, Controller of Examinations	coe@jboseust.ac.in, 0129-2310158
26.	Information relating to University Computer Centre and Digital Affairs	Director, UCC & DA	Dr. Shruti Sharma, UCC & DA	shrutimittal@jboseust.ac.in, 0129-2310125v
27.	Information relating to Vigilance Cell	Chairman, Vigilance Cell	Prof. Sandeep Grover, Vigilance Cell	vigilance@jboseust.ac.in, 0129-2310125
28.	Information relating to Collaboration and Industry linkage, Consultancy	Incharge, Collaboration and Industry linkage, Consultancy	Dr. Rashmi Popli,	rashmimukhija@jboseust.ac.in, 0129-2310125
29.	Information relating to IPR, Innovation and Startup/Incubation	Incharge, IPR, Innovation and Startup/Incubation	Prof. Sanjeev Goyal,	sanjeev@jboseust.ac.in, 0129-2310125
30.	Information relating to Institution's Innovation Council	President, IIC	Dr. Rashmi Agarwal, Institution's Innovation Cell	rashmiagarwal@jboseust.ac.in, 0129-2310125
31.	Information relating to International Affairs Cell	Director, International Affairs	Dr. Mamta Kathuria, International Affairs	internationalaffairs@jboseust.ac.in, 0129-2310109
32.	Information relating to SEDGs Cell	Chairperson, SEDGs Cell	Prof. Ashutosh Nigam, SEDGs Cell	sedgcell@jboseust.ac.in, 0129-2310125
33.	Information relating to Recognition of Prior Learning (RPL) Cell	Director, RPL	Dr. Preet Kaur, Recognition of Prior Learning (RPL) Cell	preetkaur@jboseust.ac.in, 0129-2310125
34.	Information relating to Centre for NCC	Incharge, NCC	Dr. O.P Mishra, Incharge NCC	opmishra@jboseust.ac.in , 0129-2310125
35.	Information relating to Establishment Branch	Deputy Registrar (ESTB)	Sh. Manish Gupta, Establishment Branch	mehasharma@jboseust.ac.in, 0129-231015
36.	Information relating to Examination Branch	Controller of Examinations	Dr. Rajiv Kumar Singh, Examination Branch	coe@jboseust.ac.in, 0129-2310112
37.	Information relating to Academics Branch	Deputy Registrar, (Academics)	Dr. Meha Sharma, Affiliation Branch	daa@jboseust.ac.in, 0129-2310125

38.	Information relating to Accounts Branch	Controller of Finance / Senior Account Officer	Dr. Rajiv Kumar Singh / Sh. Ravi Kumar Sharma	raviksharma@jcboseust.ac.in, 0129-2310154
39.	Information relating to Affiliation and Registration Branch	Deputy Registrar (Affiliation)	Dr. Meha Sharma, Affiliation Branch	affiliation@jcboseust.ac.in, 0129-2310125
40.	Information relating to Store and Purchase Branch	Assistant Registrar, (S&P)	Dr. Vivek Sharma, S&P Branch	dr.purchase@jcboseust.ac.in, 0129-2310164
41.	Information relating to Construction and Maintenance Branch	JE (Civil) / JE (Electrical)	Sh. Tulsi Ram Chauhan / Sh. Om Prakash	deancn@jcboseust.ac.in, 0129-2310185
42.	Information relating to Workshop Superintendent	Workshop Superintendent	Dr. Vivek Sharma	ws@jcboseust.ac.in, 0129-2310121
43.	Information relating to Public Relations Office	Public Relations Officer	Sh. Jitender Singh Yadav	pro@jcboseust.ac.in, 0129-2310127
44.	Information relating to University Health Centre	Medical Officer	Dr. Ankur Sharma	dispensary@jcboseust.ac.in, 0129-2310132
45.	Information relating to Pt. Deen Dayal Upadhyay Library	Dy. Librarian	Dr. P.N. Bajpai	library@jcboseust.ac.in, 0129-2310124
46.	Information relating to Student Welfare Office	DSW	Prof. Pradeep Kumar	pkdimri@jcboseust.ac.in, 0129-2310119
47.	Information relating to Training and Placement Office	Training & Placement Officer	Prof. Rajesh Kumar Ahuja, Training & Placement Officer	tpo@jcboseust.ac.in, 0129-2310120
48.	Information relating to Proctor Office / Chief Hostel Warden (Boys)	Proctor	Prof. Lakhwinder Singh, SC/ST Cell	chw@jcboseust.ac.in, 0129-2310122
49.	Information relating to Chief Hostel Warden (Girls)	Chief Warden (Girls)	Prof. Sandhya Dixit, CHW (Girls)	sandhyadixit@jcboseust.ac.in, 0129-2310176
50.	Information relating to Crèche/Day Care Centre	Professor In charge	Prof. Neelam Turk	chairperson.eee@jcboseust.ac.in, 0129-2310125
51.	Information relating to NAD Cell	Nodal Officer, NAD Cell	Sh. Sachin Gupta, Deputy Registrar – Examination	
52.	Information relating to National Service Scheme (NSS)	NSS Programme Coordinator	Prof. Pradeep Dimri	dsw@jcboseust.ac.in
53.	Information relating to Youth Red Cross	Programme Coordinator	Dr. Navish Kataria, EVS	

54.	Information relating to Grievance Redressal Forum (Staff & Students)	Chairperson, Grievance Redressal Forum (Staff & Students)	Prof. Atul Mishra, Academics	daa@jcboseust.ac.in, 0129-2310125
55.	Information relating to Sports Affairs	Faculty Coordinator, (Sports)	Dr. Aman Joshi, Coordinator Sports	amanjoshi@jcboseust.ac.in
56.	Information relating to Student Clubs	DSW/Faculty Coordinators of Respective Clubs	Prof. Pradeep Dimri / Faculty Coordinators of Respective Clubs	dsw@jcboseust.ac.in
57.	Information relating to Proctorial Committee	Proctor	Prof. Vasdev Malhotra, Proctor	proctor@jcboseust.ac.in
58.	Information relating to Unnat Bharat Abhiyan	Faculty Coordinator, Unnat Bharat Abhiyan Cell	Dr. Sakshi Kalra	sakshi@jcboseust.ac.in
59.	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	99
RTI application received by First Appellate Authority and disposed off	25
RTI applications received by Second Appellate Authority and disposed off	07

# 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

Total Number of Court cases during July 2024 - June 2025:	12
Number of cases disposed during July 2024 - June 2025:	09

# 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 intially 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.	28
2.	Mr. Satyapal	Personal Assistant	MBA	33
3.	Mrs.Sadhna Bajpai	Library Counter Clerk	B. Sc., M. A., MLIS, M. Phil	22
4.	Mr.Saurabh Dixit	Library Counter Clerk	B. Sc., MLIS	09

### 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
92945	1690	19341	13227	8228	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 Library	158	<a href="http://dl.acm.org/">http://dl.acm.org/</a>
3	American Chemical Society Journals	87	<a href="http://pubs.acs.org/">http://pubs.acs.org/</a>
4	American Institute of Aeronautics and Astronautics (AIAA) Journals	9	<a href="http://www.aiaa.org/journals/">http://www.aiaa.org/journals/</a>
5	American Institute of Physics Journals	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 - ALL	15	<a href="http://publish.aps.org/browse.html">http://publish.aps.org/browse.html</a>
8	American Society for Microbiology Journals	25	<a href="https://www.asm.org/index.php/asm-journals">https://www.asm.org/index.php/asm-journals</a>
9	Annual Reviews Journals	51	<a href="http://arjournals.annualreviews.org">http://arjournals.annualreviews.org</a>
10	ASCE Journals Online	36	<a href="http://ascelibrary.org/">http://ascelibrary.org/</a>
11	ASME Journals Online	35	<a href="http://asmedigitalcollection.asme.org/">http://asmedigitalcollection.asme.org/</a>
12	Bentham Science Journals	118	<a href="http://benthamscience.com/">http://benthamscience.com/</a>
13	BMJ Journals	36	<a href="https://journals.bmj.com/home">https://journals.bmj.com/home</a>
14	Cambridge University Press Journals	442	<a href="https://www.cambridge.org/core">https://www.cambridge.org/core</a>
15	Cold Spring Harbor Laboratory Press Journals	8	<a href="https://www.cshlpress.com/">https://www.cshlpress.com/</a>
16	Elsevier Science Direct Journals	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 Research Publications by Dr. P. N. Bajpai, Deputy Librarian

Published a paper on Libraries surviving the existential threat: Time to over through hegemony of commercial publishers in *Trends in Information Management*, 12(2), 2024.

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

- Attended three days workshop on “Research Information Management System” organized by Information & Library Network (INFLIBNET), Gandhi Nagar from 11.12.2024 to 13.12.2024.
- Attended one day Wiley Research Training Program on May 6, 2025 organized by Wiley at New Delhi.

- iii. Attended a webinar on “Truth in AI Systems” on May 30, 2025 organized by DELNET, New Delhi.
- iv. Attended “Library Connect program on “Bridging Academia and Resources” on 25th March, 2025 organized by Cambridge University Press.

**10 Events/Activities/Achievements**

- Two days “Book Exhibition” was organized on 23.01.2025 & 24.01.2025 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 (01.07.2024 to 30.06.2025)

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.	31.12.2024
2.	Housekeeping /Sanitation Services in newly Constructed Girls Hostel (G+8) in the J.C. Bose University of Science & Technology, YMCA Faridabad.	11.72	Housekeeping /Sanitation Services in newly Constructed Girls Hostel	23.08.2025
3.	RO Plant in Technical Block, Mechanical Block Department, Girls Hostel, Canteen Mess Building, Science Block, New Library Block & Lecture Hall Building in J.C. Bose University of Science & Technology, YMCA Faridabad.	18.68	RO Plant in Technical Block, Mechanical Block Department, Girls Hostel, Canteen Mess Building, Science Block, New Library Block & Lecture Hall Building	17.10.2026

Sr. No.	Name of work with Agreement Name	Amt. of A/A (In Lacs)	Scope of work	Date of completion
4.	Renovation work in RAC workshop of the J.C. Bose University of Science & Technology, YMCA Faridabad.	9.43	Renovation work in RAC workshop	10.07.2025
5.	Construction of Security Room in A lalita new girls hostel at J.C. Bose University of Science & Technology, YMCA Faridabad.	2.18	Construction of Security Room in A lalita new girls hostel	01.09.2025
6.	Office Furniture in Faculty staff room SR-23 of Computer Engineering Department of J.C. Bose University of Science & Technology, YMCA Faridabad.	2.84	Office Furniture in Faculty staff room SR-23 of Computer Enggineering Department	01.08.2025
7.	Construction of Concrete ramp at main gate of J.C. Bose University of Science & Technology, YMCA Faridabad.	5.17	Construction of Concrete ramp at main gate	03.09.2025
8.	Supply, Instalation, Testing & Commisioning of 2 Nos. Lifts for 13 Passenger & 1 Nos. lift for 6 Passenger lift in Newly constructed library, MBA & Mass Communication Deptt. Building J.C. Bose University of Science & Technology, YMCA Faridabad.	49.21	Supply, Instalation, Testing & Commisioning of 2 Nos. Lifts	17.07.2025

#### Works Completed (01.07.2024 to 30.06.2025)

Sr. No.	Name of work with Agreement Name	Amt. of A.A (In Lacs)	Scope of work	Date of completion
1	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 communication department building	30.06.2025
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	31.12.2024

Sr. No.	Name of work with Agreement Name	Amt. of A.A (In Lacs)	Scope of work	Date of completion
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	31.12.2024
4	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)	31.12.2024
5	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	31.12.2024
6	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	25.12.2024
7	Providing & Fixing of Classroom Benches Newly Constructed library, MBA & Mass Communication Deptt. Building in J.C. Bose University of Science & Technology, YMCA Faridabad.	27.83	Benches for Classroom of Library & MBA Block.	29.08.2024
8	Supply, Installation, Testing and Commissioning of Dual Fuel Kit including laying of PNG Gas pipe line for 500 KVA DG Set in the University.	11.21	Pipe line for 500 KVA DG set	21.09.2024
9	Repair of Guttar & Shed of Computer Centre Building of J.C. Bose University of Science & Technology, YMCA Faridabad.	3.24	Repair of Guttar & Shed of Computer Centre	21.09.2024
10	Whitewashing & Painting work of the Girls Hostel wings in J.C. Bose University of Science & Technology, YMCA Faridabad.	3.67	Whitewashing & Painting work of the Girls Hostel	06.09.2024
11	Providing Aluminium partition work in Research Lab 903 A of Science Block J.C. Bose University of Science & Technology, YMCA Faridabad.	2.43	Providing Aluminium partition work in Research Lab	21.09.2024

Sr. No.	Name of work with Agreement Name	Amt. of A.A (In Lacs)	Scope of work	Date of completion
12	Repair & Plaster work RCC Column Beam Floor tiles, Aluminium work and painting work in Mechanical Engg. Block in the J.C. Bose University of Science & Technology, YMCA Faridabad.	21.75	Repair & Plaster work RCC Column Beam Floor tiles	01.03.2025
13	Repair aluminium framing work in CIL Lab ground floor CV Raman Block In the J.C. Bose University of Science & Technology, YMCA Faridabad.	2.28	Repair aluminium framing work in CIL Lab	30.11.2024
14	Dismantling & relaying of Chequer tiles from VC office to main gate along inside road in J.C. Bose University of Science & Technology, YMCA Faridabad.	5.42	Dismantling & relaying of Chequer tiles	01.03.2025
15	Renovation/ Repair work of Faculty room of life Science Department of J.C. Bose University of Science & Technology, YMCA Faridabad.	3.01	Renovation/ Repair work of Faculty room	10.04.2025
16	Whitewashing and Painting façade along with plinth protection work of vishwakarma Bhawan in the J.C. Bose University of Science & Technology, YMCA Faridabad.	2.88	Whitewashing and Painting plinth protection work of vishwakarma Bhawan	10.05.2025
17	Electrical work in Various lab of Computer Departmen in the J.C. Bose University of Science & Technology, YMCA Faridabad.	3.99	Electrical work in Various lab	10.04.2025
18	Purchasing of Public Health items for hostel and teaching block and campus of the University.	2.58	Public Health items for hostel	24.04.2025
19	Electrical work in research lab Room No. 505 & 506 in CV Raman Block of J.C. Bose University of Science & Technology, YMCA Faridabad.	1.76	Electrical work in research lab	11.06.2025
20	Furnishing work for setting up of CRECHE at the 1st floor of Neelgiri building block of the multi-storied residence in J.C. Bose University of Science & Technology, YMCA Faridabad.	4.02	Furnishing work in CRECHE room	30.06.2025

# 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 camp collaborated with Bharat Vikas Parishad as well as red cross society. University Health Centre is having MOU with Metro 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 14100 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

1. A Health check-up camp conducted on 25.07.2024 in the University Health Centre with the collaboration of Accord Superspeciality Hospital Sector-88 Faridabad between 01:30 pm to 4:00 pm in which Cardiologist, Internal Medicine, Orthopedics and gynaecology consultation along with Blood Sugar and ECG facilities were provided to the stakeholders of the University.
2. A health talk on Health awareness cum life style Modification and Oncology was conducted on 02.08.2024 at J.C. Bose University of Science and Technology, YMCA, our Chief Guest Ms. Sana Tariq, Vice President at Metro Heart Institute with Multispecialty, and Dr. Sumant Gupta, Sr. Consultant & Head of Medical Oncology, Hematology, BMT, and Director at Metro Cancer Institute, joined hands to inspire students and faculty. Together, we planted trees and discussed the importance of health and wellness. Let's continue to nurture our planet and our bodies promoting a greener tomorrow Tree plantation was done by our chief guests.
3. The Health Centre of J.C. Bose University of Science and Technology, YMCA, Faridabad in collaboration with Metro Multi-speciality Hospital, Faridabad today organised a free Health Check-up Camp in the University premise on 16.10.2024
4. A team of doctors from Metro multispeciality Hospital including Dr Vandana, Physician and Dr Manthan, Orthopaedics accompanied by their proficient paramedical staff conducted the camp. The Vice-Chancellor Prof. S.K. Tomar appreciated the efforts made by the Health Centre for conducting a health awareness program for the benefit of University students and staff.
5. The program was successfully organized under the guidance of Dr. Ankur Sharma, Medical Officer, and coordinated by the staff of the Health Centre. During the camp, doctors provided free consultations to the staff and students. In addition to this, free Blood Pressure Check-ups, Blood Sugar Check-ups, and ECGs were also carried out to create awareness about health-related issues. Over 150 staff and students attended the Camp for the health check-up and availed of the benefit.
6. With a view to create awareness about mental health issues, the Health Centre of J.C. Bose University of Science and Technology, YMCA, Faridabad in collaboration with B.K. Hospital, Faridabad organized an awareness program on Mental Health on 16.10.2024.
7. The program was conducted by Dr. Preeti Yadav, Clinical Psychologist and Ms Sumantra, Psychiatric Nursing Officer from B.K. Hospital, Faridabad. Dr. Preeti delivered the keynote address on the "Psychological Impact of Substance Abuse" where she discussed the mental health challenges posed by addiction, including depression, anxiety, and suicidal tendencies.

8. The program was successfully organized under the guidance of Dr. Ankur Sharma, Medical Officer, and coordinated by the staff of the Health Centre.
9. A Health check-up camp conducted on 22.11.2024 in the University Health Centre with the collaboration of Metro Hospital Sector-16 Faridabad between 12:00 pm to 2:00 pm in which Physician, Gynecologist, Internal Medicines consultation given to the stakeholders of the University and some routine investigation also done.
10. A Health check-up camp conducted on 05.12.2024 in the University Health Centre with the collaboration of Sarvodaya Hospital Sector-08 Faridabad between 12:00 pm to 2:00 pm in which General Physician, Cardiologist consultation given to the stakeholders of the University and some routine investigation also done.
11. A Dental check-up camp conducted on 16.04.2025 in the University Health Centre with the collaboration of Absolute Dental Care Sector-16 Faridabad between 11:00 pm to 2:00 pm in which Dentist consultation given to the stakeholders of the University and some routine investigation also done.
12. A Health Talk on HIV/AIDS and TB Awareness conducted on 23.04.2025 in the University Health Centre with the collaboration of Deputy Civil Surgeon Faridabad between 11:00 pm to 1:00 pm in which Experts gave talk on the subject to the stakeholders of the University and some routine investigation also done.
13. A Health check-up camp conducted on 07.05.2025 in the University Health Centre with the collaboration of Metro Hospital Sector-16 Faridabad between 12:00 pm to 2:00 pm in which General Physician Cardiology consultation given to the stakeholders of the University and some routine investigation also done.
14. A Health check-up camp conducted on 14.05.2025 in the University Health Centre with the collaboration of Metro Hospital Sector-16 Faridabad between 12:00 pm to 2:00 pm in which Gynecologist consultation given to the stakeholders of the University and some routine investigation also done.
15. A Health check-up camp conducted on 23.07.2025 in the University Health Centre with the collaboration of Metro Hospital Sector-16 Faridabad between 11:00 pm to 2:00 pm in which Gynecologist consultation given to the stakeholders of the University and some routine investigation also done.
16. A Health Talk on Tobacco Cessation and stress management under National Tuberculosis Elimination Programme(NTEP) conducted on 30.07.2025 in the University Health Centre with the collaboration of Civil Surgeon Faridabad between 02:00 pm to 4:00 pm in which Experts gave talk on the subject to the stakeholders of the University and some routine investigation also done.
17. A Health Talk camp on stress management and Gynecology conducted on 28.08.2025 in the University Health Centre with the collaboration of Metro Hospital Sector-16 Faridabad between 10:00 pm to 1:00 pm in which Experts gave talk on the subject given to the stakeholders of the University and some routine investigation also done.
18. A Health Talk on stress management and Gynecology conducted on 05.09.2025 in the University Health Centre with the collaboration of Metro Hospital Sector-16 Faridabad between 10:00 pm to 1:00 pm in which Experts gave talk on the subject given to the stakeholders of the University and some routine investigation also done.
19. A Health Talk on International Suicide week 2025 conducted on 12.09.2025 in the University Health Centre with the collaboration of Civil Hospital Faridabad between 10:00 pm to 1:00 pm in which Experts gave talk on the subject given to the stakeholders of the University and some routine investigation also done.
20. A Health check-up camp conducted on 19.09.2025 in the University Health Centre with the collaboration of Metro Hospital Sector-16 Faridabad between 10:00 pm to 1:00 pm in which General Physician Cardiology consultation given to the stakeholders of the University and some routine investigation also done.
21. A Health Talk on Mental Health Awareness conducted on 21.01.2026 in the University Health Centre with the collaboration of Civil Hospital Faridabad between 10:00 pm to 12:00 pm in which Experts gave talk on the subject given to the stakeholders of the University and some routine investigation also done.
22. A Health Talk on Mental Health Awareness and Stress management by Psychologist conducted on 28.01.2026 in the University Health Centre with the collaboration of Metro Hospital Sector-16 Faridabad between 10:00 pm to 01:00 pm in which Experts gave talk on the subject given to the stakeholders of the University and some routine investigation also

done.

23. A Health check-up camp conducted on 06.02.2026 in the University Health Centre with the collaboration of Metro Hospital Sector-16 Faridabad between 10:00 am o 1:00 pm in which General Physician Cardiology consultation given to the stakeholders of the University and some routine investigation also done.

#### 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. A Health Checkup Camp was organized on 16-10-2024 from 12:00pm to 02:00pm in Girls' Hostel for the benefit of the students.



ii. As per to the UGC guidelines, an Anti-Ragging Awareness Programme was successfully organized from 12th to 18th August, 2024, at the Girls Hostel of J.C. Bose University of Science and Technology, YMCA, Faridabad. The event was attended by more than 300 students, reinforcing the University’s commitment to ensuring a safe and inclusive campus environment.



iii. A fresher party was organized by the Hostel Authorities to welcome the first-year students in Girls’ Hostel. Singing & dance competition was held for the first year students. Residents of Girls’ Hostel were full of excitement & they all enjoyed the party. Special dinner was also served to the residents in Girls’ Hostel Mess.



iv. A talk on “Importance of Mental Health in Daily Life” was organized by the Hostel Authorities. Dr. Aanchal Makhija (Psychologist) was invited to share her insights and experience on mental health with the residents of hostel. Dr. Makhija deliberated about the significance of mental health and encouraged students to do regular exercise, yoga and meditation. The residents engaged positively with her talk with queries about mental health.



v. Krishan Janmashtami festival was organized in Girls’ Hostel. Krishan 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.



# 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).

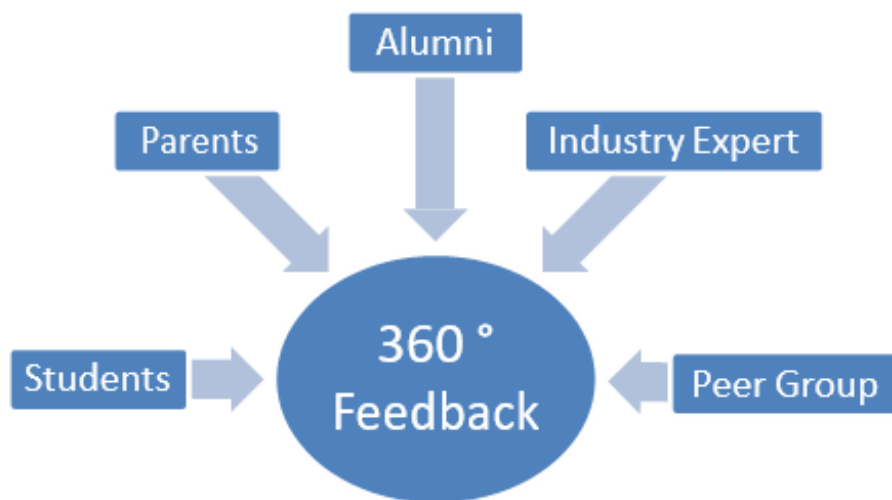


Figure 1: Stakeholders of University for 360° Feedback

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.
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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 2.

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)

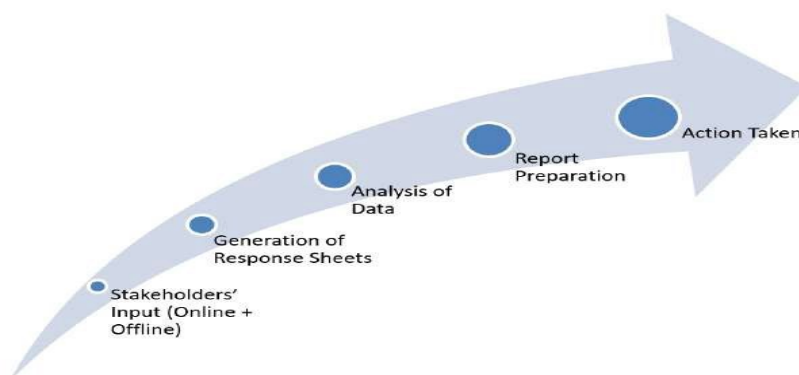


Figure 2: 360° Feedback Process

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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 3 and 4. 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.

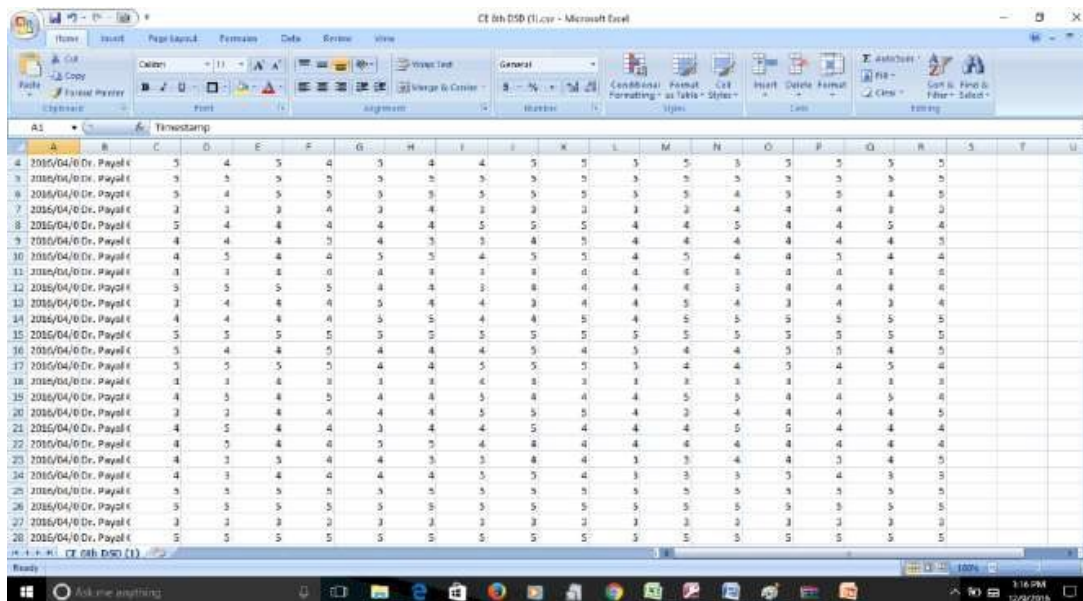


Figure 3: Sample Responses

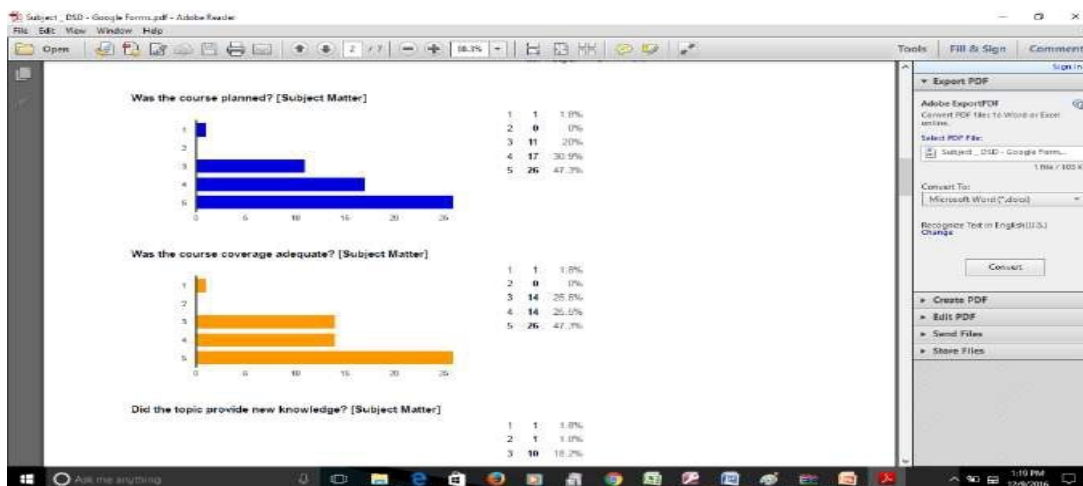


Figure 4: Sample Analysis

**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**

The Dean Student Welfare Office, J.C. Bose University of Science and Technology, YMCA Faridabad, initiated a structured cleanliness drive titled “Hamara Campus Swachh Campus” The campaign was launched with the objective of inculcating values of cleanliness, responsibility, and environmental consciousness among students.

The campaign was designed to be conducted on a weekly basis (Tuesdays) across various University Teaching Departments (UTDs), ensuring systematic and sustained implementation. A phased schedule was developed for the semester to cover all departments, with continuity planned for subsequent semesters.

### **Leadership and Coordination**

Dr. Atma Ram was appointed as the Campaign Nodal Officer (CNO) to oversee execution and coordination. The campaign actively involved NSS volunteers and departmental stakeholders to ensure effective participation and outreach.

### **Implementation Framework**

- Each department nominated student representatives as Campus Ambassadors to promote awareness and participation.
- Two faculty members per department were designated as Campaign Coordinators (CCs) to supervise activities.
- Cleanliness drives were conducted without disrupting academic activities

Key Activities Undertaken:

- Cleanliness drives across classrooms, corridors, and common areas
- Awareness campaigns on hygiene and environmental responsibility
- Student sensitization in public spaces such as playgrounds, parks, and canteens
- Promotion of behavioral change towards maintaining campus cleanliness

### **Monitoring and Reporting**

Departments submitted reports of activities, including Geo-tagged photographs, to ensure accountability and documentation. Feedback mechanisms were incorporated for continuous improvement.

### **Impact**

The initiative led to increased awareness among students, active participation, improved campus environment, and strengthened collaboration between faculty, students, and administration.

# Financial Summary

## FINANCIAL SUMMARY

Sr. No.	Head of Account	Actuals 2023-24	Actuals 2024-25	Budget Estimates 2025-26
		figures in lacs	figures in lacs	figures in lacs
<b>RECEIPTS</b>				
1.	Opening Balance	1,521.86	6,221.50	7,272.81
2.	State Govt. Grant	7,492.00	5,000.00	5,500.00
3.	Internal Receipts	2,714.86	2,772.15	2,610.00
4.	Self Financing Schemes	2,331.68	2,227.70	2,164.86
5.	Funding Agencies	478.03	221.53	150.00
	Total	14,538.43	16,442.88	17,697.67
<b>EXPENDITURES</b>				
1	State Govt. Grant	5,571.24	6,425.37	8,280.40
2	Self Financing Schemes	1,734.38	1,747.50	2,476.52
3	Funding Agencies	251.57	263.22	150.00
4	Capital Expenditure	759.74	733.98	4,434.24
	Total	8,316.93	9,170.07	15,341.16

**Controller of Finance: Sh. Ravi Kumar Sharma**

# J.C. Bose University Celebrates Golden Jubilee of 1972-76 Batch with Grand 'Sangam-2026' Event

Elevate University to Institute of National Importance in Five Years: VC Prof. Rajive Kumar



The Vice-Chancellor said that the centres will focus on high-priority and future-oriented domains, including Artificial Intelligence & Machine Learning, Drone Technology, Precision Agriculture, and Ideals.

In his address, the Vice-Chancellor also highlighted the University's unique identity rooted in practical excellence, robust industry linkages, and its rich Indo-German heritage, positioning it on par with premier institutions like IITs and NTUs. He proudly noted that the University presently stands as the most

## Prof. Rajive Kumar joins as eighth Vice-Chancellor of J.C. Bose University

Prof. Rajive Kumar, former Member Secretary of the All India Council for Technical Education (AICTE), today joined as the eighth Vice-Chancellor of J.C. Bose University of Science and Technology, YMCA, Faridabad, for a period of three years through a notification issued by the Government of Haryana.

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## Media Department Launches 'Shape Your Future' Admission Drive

The Department of Communication and Media Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, is organizing a special 'Shape Your Future' admission campaign from May 19 to May 23, 2025, from 10:00 AM to 1:00 PM. The venue for this drive is the PCC Room of the Digital Studio in the C.V. Raman Block. This initiative is specifically designed for students who have recently passed their 12th-grade board examinations and are exploring career opportunities in fields such as media, journalism, and social work.

## Media Department's BSW Students Present 'National Song' Frame to Vice-Chancellor

The Department of Communication and Media Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, organized a dignified celebration of Constitution Day. While BSW (Bachelor of Social Work) and MSW (Master of Social Work) students celebrate Constitution Day annually, this year's program held special significance as it was dedicated to the 150th anniversary of our National Song, 'Vande Mataram'. The event featured a beautiful frame featuring the National Song to Vice-Chancellor Prof. Rajive Kumar, Supreme Court, Delhi, as the special guest in this address.

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## Master Class on 'Digital India Initiative' Held for Media Students

Prof. Rajive Kumar, congratulated the department, stating that such interactive sessions help the students to connect with academic knowledge and practical perspective and familiarize them with the evolving landscape of digital communication and governance. In his address, Head of the Department, Prof. Pawan Singh, mentioned that the objective of this master class was to acquaint students with India's digital transformation process and explain the role of media professionals in a digital society.

## Two-Week Induction Programme for Computer Students inaugurated at J.C. Bose University

The two-week induction programme for the students of the Department of Computer Science and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, was inaugurated by Prof. Pawan Singh, Head of the Department, and Prof. Rajive Kumar, Vice-Chancellor. The programme is designed to familiarize the students with the university's infrastructure, academic standards, and the role of computer science in a digital society.

## GRAM PANCHAYAT SCHOLARSHIP SCHEME LAUNCHED TO EMPOWER RURAL YOUTH

Great news for rural students! The Community College of Skill Development (CCSD) under J.C. Bose University of Science & Technology, YMCA, Faridabad, has launched the 'Gram Panchayat Scholarship Scheme' for 2025-26. The scheme is aimed at empowering rural youth by providing equal opportunities for skill-based education. This student-focused initiative provides a cent percent tuition fee waiver to up to five students per course for B.Voc, Diploma, and PG Diploma programs, based on Gram Panchayat Sarpanch recommendations.

## JC BOSE UNIVERSITY CELEBRATED THE INTERNATIONAL DAY OF YOGA

J.C. Bose University of Science and Technology, YMCA, Faridabad celebrated the 11th International Day of Yoga with the theme 'Yoga for One Earth, One Health' in a befitting manner. About 100 participants performed yoga in the session arranged by the campus following the Common Yoga Protocol issued by the Ministry of AYUSH. The event was organised by the office of the Vice-Chancellor.

## Haryana Education Minister Emphasizes Mandatory Internships; Renames Vice-Chancellors as Kulagurus

Haryana Education Minister, Shri. Manish Sharma, today emphasized the importance of mandatory internships for students. He also announced the renaming of Vice-Chancellors as Kulagurus. The Minister stated that these changes are essential for enhancing the quality of education and ensuring that students are well-prepared for the workforce.

## J.C. Bose University receives NEP Implementation Excellence Award 2025 in Gold Category

J.C. Bose University of Science and Technology, YMCA, Faridabad has been conferred the Award 2025 in the Gold Category by the Haryana State Higher Education Council. This award recognizes the university's outstanding commitment and innovative practices in implementing the National Education Policy (NEP) 2020 within Haryana.

## 'Kala Kumbh' Adorned by the Department of Media

The Department of Media Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, has adorned the 'Kala Kumbh' exhibition. The exhibition features various media-related projects and student works, showcasing the university's commitment to creative and technical education.

## JC Bose University asked affiliated Colleges to get NAAC, NBA Accreditation

J.C. Bose University of Science and Technology, YMCA, Faridabad, has requested its affiliated colleges to undergo NAAC and NBA accreditation. The university aims to ensure that all its affiliated institutions meet the highest standards of quality education.

## Media Department Organizes Photography Workshop During 4th Summer Internship

The Department of Media Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, organized a photography workshop for its 4th Summer Internship students. The workshop was led by an expert and provided students with hands-on experience in photography.

## Haryana Vidhan Sabha Subject Committee visited J.C. Bose University

The Haryana Vidhan Sabha Subject Committee on Education, Technical Education, Vocational Education, Medical Education, and Health Services visited J.C. Bose University of Science and Technology, YMCA, Faridabad, today. The committee members met with university officials to discuss the university's progress and future plans.

## 40th National Convention NCET-2025 Successfully Concludes in Faridabad

The 40th National Convention of the National Council of Educational Research and Training (NCERT) was successfully concluded in Faridabad. The convention featured expert lectures, advanced technical sessions, and a panel discussion on the future of education.

Prof. Rajive Kumar, Vice-Chancellor of J.C. Bose University, expressed his pride in the university's achievements and its commitment to providing quality education. He stated that the university will continue to strive for excellence and innovation in all its endeavors.



जे.सी. बोस विश्वविद्यालय, फरीदाबाद, भारत ने अपने स्कॉलरशिप कार्यक्रम के तहत 'कैफीन ओवरफ्लो' (Caffeine Overflow) नामक प्रतियोगिता आयोजित की। इसमें 10 फाइनलिस्ट टीमों को सपोर्ट मिलेगा।



**NBT न्यूज, फरीदाबाद :** जे.सी. बोस यूनिवर्सिटी कुलगुरु प्रफेसर राजीव कुमार ने स्मार्ट हैकॉथॉन (एसआईएच) 2025 में उत्कृष्ट प्रदर्शन करने वाली यूनिवर्सिटी टीमों को एक समारोह में सम्मानित किया। उन्होंने यूनिवर्सिटी के टेक्नोलॉजी बिजनेस इनक्यूबेटर सेंटर में लगभग 5 लाख रुपये मूल्य की नि:शुल्क इनव्यूबेशन सुविधाएं प्रदान करने के पेशकश की।

**जे.सी. बोस विश्वविद्यालय का आयोजन किया गया।** इसका प्रदान करके सहायक बनाना था। साथ ही यह संदेश देना है कि प्रगति का आधार है।

**दौड़व्यूमेंट्री 'आशा की किरण' को मिला द्वितीय पुरस्कार**  
**NBT न्यूज, फरीदाबाद :** कुलदेव विश्वविद्यालय द्वारा आयोजित राज्य स्तरीय फ़िल्म महोत्सव हुआ संपन्न।

**NBT न्यूज, फरीदाबाद :** जे.सी. बोस यूनिवर्सिटी के कुलगुरु प्रफेसर राजीव कुमार ने मंगलवार को पुस्तक फोटो पत्रकारिता का विमोचन किया। पुस्तक संचार व मीडिया प्रौद्योगिकी विभाग की सहायक कुलगुरु ने हिंदी में लिखी है। मुख्य अतिथि के रूप में जे.सी. बोस विश्वविद्यालय के अध्यक्ष डॉ. डीपी भारद्वाज ने तेजी के साथ पुस्तक का विमोचन किया।



**जे.सी. बोस विश्वविद्यालय गणित एवं कंप्यूटर साइंस में बी.टेक शुरू करेगा: कुलगुरु**  
कुलगुरु ने कहा कि नया बी.टेक कार्यक्रम गणित के मूल सिद्धांतों को अत्याधुनिक कंप्यूटर साइंस अनुप्रयोगों से जोड़ेगा।

**मीडिया विभाग की ग्रीष्मकालीन इंटरनशिप का समापन**  
विद्यार्थियों ने दिखाया रचनात्मक कौशल, सीखा संचार प्रणाली का निर्माण का वैचारिक पद।

**जे.सी. बोस विश्वविद्यालय में 'ऑपरेशन अभ्यास' के अंतर्गत आपदा तैयारियों को लेकर माॅक ड्रिल आयोजित हुई**  
विभाग और प्रशासकीय कर्मियों के बीच समन्वय और प्रतिक्रिया में सुधार आया।

**जे.सी. बोस विश्वविद्यालय का कंप्यूटिटी कॉलेज आरपीएल में दाखिला प्रक्रिया को करेगा सरल**  
कॉलेज में दाखिला प्रक्रिया सरल और प्रभावी होगी।

**जे.सी. बोस विश्वविद्यालय में शुरू किया 'बाल वाटिका' केय एवं डे-केयर सेंटर**  
बालों की देखभाल और पोषण के लिए शुरू किया गया है।



## **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)  
SECTOR-6, MATHURA ROAD, FARIDABAD-121006, HARYANA, (INDIA)

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