





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

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

# ANNUAL REPORT

## 2022-23



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YMCA, FARIDABAD (HARYANA)**

**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)

Sector-6, Mathura Road, Faridabad- 121006, Haryana (India)

## FOREWORD



It gives me immense pleasure in presenting the Annual Report of the J.C. Bose University of Science and Technology, YMCA, Faridabad (formerly known as YMCA University of Science and Technology) for the session 2022-2023. This Report has been compiled in pursuance of Section 25 of the YMCA University of Science and Technology, Faridabad Act, 2009.

The report has been compiled under the direction of the Executive Council for submission to the Visitors, Chancellor, and State Government through the Executive Council and University Court. This Annual Report is a record of the University's endeavours and achievements over the course of a year. It is a comprehensive overview of an entire year's academic, administrative, research, placement, and financial inputs drawn from the University's departments and administrative offices. This Annual Report reflects the involvement of the faculty in research publications in reputed national and international journals and also reflects the numerous academic and co-curricular activities organized by the University.

In consonance with the vision of the country's top leadership, as reflected in the National Education Policy (NEP) 2020, the University focuses on producing trained human resource which has extensive knowledge, modern skills, diverse abilities, leadership qualities, entrepreneurial abilities, and strong cultural and ethical values as guiding spirit. Importantly, the programs offered have been designed very carefully keeping in view the functionality of output to bridge the gap between higher education and employment.

The University is offering a wide spectrum of programmes and introduced four new Science and Engineering courses from the academic session 2022-23 including B.Sc. in Mathematics and Computing, PG Diploma in Anti Drone and Autonomous Technology, PG Diploma in Philosophy of Communal Harmony and Social Justice and Certificate course in Applied Mechanics and Product Design. The University is committed to provide quality and creative research in Engineering, Sciences, Management and Humanities. The University is indebted to the State Government of Haryana for releasing grants for all-round development.

I would like to record my appreciation and acknowledgment towards the cooperation of all the teaching and non-teaching staff members involved in the compilation of this Annual Report.

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

## **EDITORIAL COMMITTEE**

The Annual Report of the J.C. Bose University of Science and Technology, YMCA, Faridabad for the Financial and Academic year 2022- 2023 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:

- |                             |  |
|-----------------------------|--|
| 1. Dr. Anju Gupta           | Professor, Department of Electrical Engineering (in Chair) |
| 2. Dr. Lalit Rai            | Assistant Professor, Department of Electronics Engineering |
| 3. Dr. Rewa Sharma          | Assistant Professor, Department of Computer Engineering    |
| 4. Dr. Arti Gupta           | Assistant Professor, Department of Management Studies      |
| 5. Dr. Komal Taneja         | Assistant Professor, Department of Life Sciences           |
| 6. Dr. Anurag Sunda         | Assistant Professor, Department of Chemistry               |
| 7. Sh. Jitender Singh Yadav | Public Relations Officer                                   |

The Report is compiled under the overall supervision of Prof. Anju Gupta, Chairperson, Department of Electrical Engineering and Prof. Ashutosh Dixit, Dean (Academic Affairs) and it presents the highlights of the activities and achievements of the J.C. Bose University of Science and Technology, YMCA, Faridabad during the year 2022-2023. The information presented in this Report is based on the data/information provided to the Committee by the concerned Departments/Sections.

## ACHIEVEMENTS/ HIGHLIGHTS DURING 2022-23

- ✚ The University got 'A+' Grade with a CGPA of 3.32 in the Second Cycle of NAAC accreditation for a period of 5 years.
- ✚ Two UG Engg. Programs - Electronics & Communication Engg. and Information Technology got NBA accreditation for a period of three years i.e. 2022-23 to 2024-25.
- ✚ The University got 143rd rank in the Engineering Category, and secured a place in the Rank-band 151-200 in the University Category in NIRF India Rankings 2022, on the basis of significant progress made by it.
- ✚ The University received the Edufuture Excellence Award-2022 for Excellence in Faculty and Management. The Award is given to acknowledge and applaud the efforts of educational leaders, institutions, teachers, and students who went beyond the mile and demonstrated excellence in the field of education.
- ✚ Completion of two major infrastructure projects namely A. Lalitha Girls' Hostel & Krishna Bhawan (Student Centre) and were inaugurated by Hon'ble Governor Chancellor.
- ✚ In-house development of Admission Web Portal.
- ✚ Constitution of Research and Development Cell in line with UGC guidelines.
- ✚ The University is rated in the top 10 by SWAYAM-NPTEL in July-Dec 2022 ratings released by NPTEL. Our university is the only institute of Haryana making place in top 10 and has obtained 7<sup>th</sup> Rank with highest AAA grade amongst more than 5000 institutes registered on SWAYAM platform of MoE, GoI.
- ✚ Introduction of two Minor degree programs namely Block Chain and Computer vision by Department of Computer Engineering.
- ✚ 211 Publications in prestigious Journals (SCI, SCIE, Scopus) and 11 patents were published.
- ✚ University got 11 Research grants from Government agencies worth Rs. 421 lacs.
- ✚ More than 450 companies visited for Campus Placement.
- ✚ Total 46 programs (UG and PG) offered by the university in which total 1879 Students were admitted in 1<sup>st</sup> Year.
- ✚ Total 38 scholars admitted in various disciplines under Doctorate program and 18 students were awarded with Doctorate during the academic year 2022-23.
- ✚ 855 (322 Girls and 533 Boys) students were benefitted with Rs. 4.14 Cr in the form of Scholarship by Center/State Govt., National Scholarship Portal (NSP), Private Organizations/ NGO/ Trust/ MOB.
- ✚ University signed 10 MoUs with Govt./Pvt. Organizations/Companies.
- ✚ 4<sup>th</sup> Convocation was held on 22.02.2023 in which 2768 students awarded degree in august presence of Hon'ble Governor Chancellor Shri Bandaru Dattatreya ji.



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## **THE UNIVERSITY**

### **INTRODUCTION**

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

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

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

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

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

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

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

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



## **VISION**

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

## **MISSION**

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



## INCUMBENCY BOARD

### CHANCELLOR

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

### VICE- CHANCELLOR

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

### REGISTRAR

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

### DEANS

Sr. No.	Name	Responsibility
1.	Dr. Sandeep Grover	Dean – Institutions
2.	Dr. Tilak Raj	Dean – Colleges
3.	Dr. P. R. Sharma	Dean – Construction and Maintenance
4.	Dr. Vikram Singh	Dean – Alumni Affairs
5.	Dr. Hariom	Dean – Examinations
6.	Dr. Lakhwinder Singh (Upto 16.05.2023) Dr. Munish Vashishath	Dean – Student Welfare
7.	Dr. Ashutosh Dixit	Dean – Academics Affairs



**FACULTY-WISE AND DEPARTMENT-WISE DEANS AND CHAIRPERSONS /  
INCHARGE**

<b>Faculty of Engineering and Technology</b>	
<b>Name</b>	<b>Responsibility</b>
Dr. M. L. Aggarwal	Dean
<b>1. Department of Mechanical Engineering</b>	
Dr. Raj Kumar	Chairperson
<b>2. Department of Electronics Engineering</b>	
Dr. Pradeep Dimri	Chairperson
<b>3. Department of Electrical Engineering</b>	
Dr. Anju Gupta	Chairperson
<b>4. Department of Civil Engineering</b>	
Dr. Tilak Raj (Upto 15.02.2023)	Chairperson
Dr. Rajni Saggu	Incharge
<b>Faculty of Informatics and Computing</b>	
Dr. C.K. Nagpal	Dean
<b>1. Department of Computer Engineering</b>	
Dr. Atul Mishra	Chairperson
<b>2. Department of Computer Applications</b>	
Dr. Manjeet Singh	Chairperson
<b>Faculty of Sciences</b>	
Dr. Neetu Gupta	Dean
<b>1. Department of Mathematics</b>	
Dr. Neetu Gupta	Chairperson
<b>2. Department of Physics</b>	
Dr. Anuradha Sharma	Chairperson
<b>3. Department of Chemistry</b>	
Dr. Ravi Kumar	Incharge
<b>4. Department of Environmental Sciences</b>	
Dr. Renuka Gupta	Incharge
<b>Faculty of Life Sciences</b>	
Dr. Neetu Gupta	Dean
<b>1. Department of Life Sciences</b>	
Dr. Ravi Kumar (Upto 20.04.2022)	Incharge
Dr. Kakoli Dutt	
<b>Faculty of Management Studies</b>	
Dr. Ashutosh Nigam	Dean
<b>1. Department of Management Studies</b>	
Dr. Rachna Aggarwal	Chairperson
<b>2. Department of Business Studies</b>	
Dr. Manisha Goel	Chairperson
<b>Faculty of Liberal Arts and Media Studies</b>	
Dr. Atul Mishra (Upto 06.06.2023)	Dean
Dr. Poonam Singhal	
<b>1. Department of Communication and Media Technology</b>	
Dr. Pawan Singh Malik	Incharge
<b>2. Department of Literature and Languages</b>	
Dr. Atul Mishra	Chairperson



<b>Faculty of Interdisciplinary Studies</b>	
Dr. Arvind Gupta	Dean
<b>1. Centre for Energy Studies</b>	
Dr. Arvind Gupta (Upto 09.07.2023) Dr. Neelam Turk	Chairperson
<b>2. Centre for Applied Mechanics</b>	
Dr. M.L. Aggarwal	Incharge

**DIRECTORS**

<b>Name</b>	<b>Responsibility</b>
Dr. Naresh Chauhan (Upto 26.07.2023) Dr. Maneesha Garg	Director – Research and Development
Dr. Ashutosh Dixit	Director – Internal Quality Assurance Cell
Dr. Maneesha Garg (Upto 13.03.2023) Dr. Ashutosh Nigam	Director – Admissions
Dr. Pradeep Dimri	Director – Youth and Culture Affairs
Dr. Neelam Duhan	Director – University Computer Centre & Digital Affairs
Dr. Shilpa Sethi	Director – International Affairs Cell
Dr. Poonam Singhal	Director – Industrial Relations
Dr. Ravi Kumar	Director – Central Instrumentation Laboratory

**OTHERS**

<b>Name</b>	<b>Responsibility</b>
Dr. Sanjeev Goyal	Principal – Community College for Skill Development



**UNIVERSITY OFFICIALS**

<b>Name of Official</b>	<b>Position</b>
Dr. C.K. Nagpal	First Appellate Authority (RTI)
Dr. Hari Om (Upto 28.09.2023) Dr. Komal Kumar Bhatia	Controller of Examination
Dr. Munish Vashishath (Upto 16.05.2023) Dr. Lakhwinder Singh	Proctor
Dr. Komal Kumar Bhatia (Upto 28.09.2023) Sh. Ravi Kumar Sharma	Controller of Finance
Dr. Sanjeev Kumar (Upto 02.06.2023) Dr. Rajesh Kumar Ahuja	Training and Placement Officer
Dr. Anuradha Pillai	Chief Hostel Warden (Girls)
Dr. P.N. Bajpai	Dy. Librarian
Dr. Vivek Sharma	Workshop Superintendent
Dr. Meha Sharma	Dy. Registrar – Establishment
Sh. Manish Gupta	Deputy Registrar– Academics &Affiliation
Sh. Sachin Gupta	Assistant Registrar – Examination Branch
Sh. Vishal Kumar	Assistant Registrar – Store and Purchase Branch
Sh. Gaurav Garg	Assistant Registrar – Affiliation
Dr. Jyoti Mor	Assistant Registrar – Academics
Sh. Ajay Taneja	Superintending Engineer
Sh. Anil Kumar Sharma	SDE (Civil)
Dr. Ankur Sharma	Medical Officer
Sh. Jitender Singh Yadav	Public Relations Officer
Sh. AnkitPannu	Programmer cum System Analysts
Ms. Renu Dagar	Assistant Law Officer



## 2022-2023

<b>STRENGTH OF STAFF</b>		
<b>Sr. No.</b>	<b>Details (2022-23)</b>	<b>Count</b>
1.	Teaching Staff	151+51 (Contractual)
2.	Non-Teaching & Technical Staff	150+5 (SFS)

**MEETINGS OF UNIVERSITY BODIES (2022-23)**

<b>Sr. No.</b>	<b>Name of Body</b>	<b>Meeting Held</b>
1.	University Court	10 <sup>th</sup> meeting held on 21.04.2022 11 <sup>th</sup> meeting held on 31.03.2023
2.	Executive Council	43 <sup>rd</sup> meeting held on 28.07.2022 44 <sup>th</sup> meeting held on 27.09.2022 45 <sup>th</sup> meeting held on 24.11.2022 46 <sup>th</sup> meeting held on 31.03.2023 47 <sup>th</sup> meeting held on 30.05.2023
3.	Academic Council	24 <sup>th</sup> meeting held on 19.07.2022 25 <sup>th</sup> meeting held on 27.09.2022 26 <sup>th</sup> meeting held on 07.02.2023 27 <sup>th</sup> meeting held on 19.05.2023
4.	Finance Committee	16 <sup>th</sup> meeting held on 24.03.2023



## 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)

### A) THE UNIVERSITY COURT

#### Section-14 of the University Act:

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

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

#### FORMATION OF COURT

Sr. No.	Membership	Duration	
		From	Till
1.	Vice Chancellor	Ex-Officio Member	
2.	Secretary to Govt., Finance Department, Haryana	Ex-Officio Member	
3.	Secretary to Govt., Technical Education, Haryana	Ex-Officio Member	
4.	Director General –Technical Education, Haryana	Ex-Officio Member	
5.	Legal Remembrance, Haryana	Ex-Officio Member	
6.	Dean – Faculty of Engineering and Technology	Ex-Officio Member	
7.	Dean – Faculty of Management Studies	Ex-Officio Member	
8.	Dean – Faculty of Sciences	Ex-Officio Member	
9.	Dean – Faculty of Informatics and Computing	Ex-Officio Member	
10.	Dean – Faculty of Liberal Arts & Media Studies	Ex-Officio Member	
11.	Dean – Faculty of Life Sciences	Ex-Officio Member	
12.	Dean – Faculty of Interdisciplinary Studies& Research	Ex-Officio Member	
13.	Controller of Examinations/Dean Examinations	Ex-Officio Member	
14.	Registrar	Ex-Officio Member	
15.	Dy. Librarian	Ex-Officio Member	
16.	Assistant Law Officer	Ex-Officio Member	
17.	Prof. Rajbir Singh, Vice Chancellor, Maharishi Dayanand University, Rohtak (Haryana)	31.08.2022	30.08.2024
18.	Prof. Sukhbir Kaur, Deptt. Of Zoology, Panjab University, Chandigarh	31.08.2022	30.08.2024
19.	Prof. Rajendra Kumar Anayath, Vice Chancellor, DeenbandhuChhotu Ram University of Science & Technology, Murthal, Sonipat	31.08.2022	30.08.2024
20.	Prof. Raj Kumar Mittal, Vice Chancellor, Chaudhary BansiLal University, Bhiwani (Haryana)	31.08.2022	30.08.2024
21.	Prof. Baldev Setia, Director, Punjab Engineering College, Chandigarh	31.08.2022	30.08.2024
22.	Dr. Anju Gupta, Professor-Electrical Engg.	31.08.2022	30.08.2024
23.	Dr. Neelam Turk, Professor-Electronics Engg.	31.08.2022	30.08.2024
24.	Dr. Sanjeev Kumar, Professor-Mech. Engg.	31.08.2022	30.08.2024
25.	Dr. Pradeep Kumar, Professor-Electronics Engg.	31.08.2022	30.08.2024





26.	Dr. Neetu Gupta, Professor-Mathematics	31.08.2022	30.08.2024
27.	Dr. Manisha Goel, Associate Professor-Mgmt Studies	31.08.2022	30.08.2024
28.	Dr. Anuradha Sharma, Associate Professor-Physics	31.08.2022	30.08.2024
29.	Sh. Bharat Bhushan, Assistant Professor- Electronics Engg.	31.08.2022	30.08.2024
30.	Mrs. NitinSachdeva, Assistant Professor- Electronics Engg.	31.08.2022	30.08.2024

## B) 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.	Name of Member	Duration of Membership	
		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, JC Bose UST	Ex-Officio Member	
6.	Prof. Vivek Kumar, Professor, Centre for Rural Development and Technology, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi (Nominee of AICTE)	30.01.2023	29.01.2025
7.	Dr. Avichal Kapur, Joint Secretary, University Grants Commission, Bahadur Shah Zafar Marg, New Delhi (Nominee of UGC)	30.01.2023	29.01.2025
8.	Prof. (Dr.) Sat Prakash Bansal, Vice Chancellor, Central University of Himachal Pradesh, Dharamshala, Distt-Kangra, Himachal Pradesh	30.01.2023	29.01.2025
9.	Prof. B.V Ramana Reddy, Director of National Institute of Technology, Kurukshetra	30.01.2023	29.01.2025
10.	Prof. S.S. Patnaik, Director, NITTTR, Chandigarh	30.01.2023	29.01.2025
11.	Dr. Shimla, Former Registrar, J.C. Bose University of Science & Technology, YMCA, Faridabad	30.01.2023	29.01.2025
12.	Registrar	Ex-Officio Member- Secretary	

## C) 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.	Name of Member	Duration of Membership	
		From	Till
1.	Vice Chancellor & Chairman	Ex-Officio Member	
2.	Secretary to Govt.-Finance Deptt, Haryana	Ex-Officio Member	
3.	Secretary to Govt.-Technical Education Deptt, Haryana	Ex-Officio Member	
4.	Diretor General- Technical Education Deptt, Haryana	Ex-Officio Secretary	
5.	Dean – Institutions	Ex-Officio Member	
6.	Prof. Dinesh Kumar, Vice Chancellor, Gurugram University Gurugram	31.08.2022	30.08.2024
7.	Prof. Krishan Singh Arya, Retd. Principal, DAV College, Sector- 10, Chandigarh	31.08.2022	30.08.2024
8.	Prof. S.N. Mishra, Prof. (Retd.), Dept. of Botany, Maharishi Dayanand University, Rohtak	31.08.2022	30.08.2024
9.	Prof. Tankeswar Kumar, Vice Chancellor, Central University of Haryana, Jant-Pati, Mahendragarh (Haryana)	31.08.2022	30.08.2024
10.	Prof. Raj Kumar, Vice Chancellor, Panjab University, Chandigarh	31.08.2022	30.08.2024
11.	Prof. SomNathSachdeva, Vice Chancellor, Kurukshetra University, Kurukshetra	31.08.2022	30.08.2024
12.	Prof. Arvind Kumar, Dean -FIDSR	31.08.2022	30.08.2024
13.	Prof. Atul Mishra, Dean- FLAMS	31.08.2022	30.08.2024
14.	Prof. Neetu Gupta, Dean – Faculty of Life Sciences	31.08.2022	30.08.2024
15.	Prof. MunishVashishth, EleletronicsEngg.	31.08.2022	30.08.2024
16.	Prof. Manjeet Singh, Computer Application	31.08.2022	30.08.2024
17.	Registrar	Ex-Officio Secretary	

**D) FINANCE COMMITTEE OF THE UNIVERSITY**

Sr. No.	Name of Member	Duration of Membership	
		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 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. Atul Mishra, Dean – FLAMS	13.08.2021	12.08.2023
8.	Prof. (Dr.) M. L. Aggarwal -FET	13.08.2021	12.08.2023
9.	Dr. K.P. Kaushik, Professor, National Institute of Financial Management (Nominee-Governor)	13.08.2021	12.08.2023
10.	Dr. Anil Gupta, Professor-Department of Management, Kurukshetra University (Nominee-Governor)	13.08.2021	12.08.2023

**E) ACADEMIC COUNCIL****Section-16 (1) of the University Act:**

1. 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.
2. 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.	Member	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.	Dy. Librarian	Ex-Officio Member	
15.	Prof. B.S Pabla, Deptt. of Mechanical Engg. NITTR, Chandigarh	31.08.2022	30.08.2024
16.	Prof. (Dr.) R.S. Chhillar, Deptt. of Computer Science & Applications, Maharshi Dayanand University, Rohtak- 124001	31.08.2022	30.08.2024



17.	Prof. (Dr.) Sunita Srivastava, Dept. of Physics & Astrophysics, Central University of Haryana, Jant-Pali, Mahendragarh (Haryana)	31.08.2022	30.08.2024
18.	Prof. (Dr.) M.K. Soni, Pro Vice Chancellor, Manav Rachna International Institute of Research & Studies, Faridabad	31.08.2022	30.08.2024
19.	Prof. PawanJumar Sharma, Deptt. Of Chemistry, Kurukshetra University, Kurukshetra	31.08.2022	30.08.2024
20.	Prof. Rajesh Dhankhar, Deptt, of Environmental Sciences, Maharshi Dayanand University, Rohtak	31.08.2022	30.08.2024
21.	Mr. Yognider Pal Singh, Director, Kapayo Solutions Pvt. Ltd., 1797, KotlaMubrakupur Opp. D-42, South Extension-1, New Delhi- 110003	31.08.2022	30.08.2024
22.	Prof. P. SasikalaRamachandaran, Head, Deptt. Of New Media, M.C. University of Journalism & Communication, Bhopal (M.P.)	31.08.2022	30.08.2024
23.	Dr. Raj Kumar, Professor- FET	31.08.2022	30.08.2024
24.	Dr. Ashutosh Dixit, Professor- FIC	31.08.2022	30.08.2024
25.	Dr. Ashutosh Nigam, Professor- FMS	31.08.2022	30.08.2024
26.	Dr. Neetu Gupta, Professor- FOS	31.08.2022	30.08.2024
27.	Dr. ManishaGoyal, Associate Professor- FMS	31.08.2022	30.08.2024
28.	Dr. Anuradha Sharma, Associate Professor- FOS	31.08.2022	30.08.2024
29.	Dr. Sandhya Dixit, Associate Professor- FET	31.08.2022	30.08.2024
30.	Dr. Sapna Gambhir, Associate Professor- FIC	31.08.2022	30.08.2024
31.	Dr. Pawan Malik, Associate Professor- FLAMS	31.08.2022	30.08.2024
32.	Dr. KakoliDutt, Associate Professor- FLS	31.08.2022	30.08.2024
33.	Mr. Bharat Bhushan, Assistant Professor- FET	31.08.2022	30.08.2024
34.	Mrs. Poonam, Assistant Professor- FIC	31.08.2022	30.08.2024
35.	Dr. M.K. Yadav, Assistant Professor- FOS	31.08.2022	30.08.2024
36.	Dr. Renu Aggarwal, Assistant Professor- FMS	31.08.2022	30.08.2024
37.	Mr. Deepansh Sharma, Assistant Professor- FLS	31.08.2022	30.08.2024



## **FILLED AND UNFILLED FACULTY & STAFF POSITIONS**



DEPARTMENT AND COURSE-WISE FACULTY POSITIONS AND STATUS (01.07.2022-30.06.2023)

Sr. No.	Department	Course	Aided/Self Financed	Post	Sanctioned	Filled
1.	Mechanical Engineering Department	B.Tech.	Aided Course	Professor	04	04
				Associate Professor	08	07
				Assistant Professor	17	15
		M.Tech.	Self-Financed	Professor	01	00
				Associate Professor	01	00
				Assistant Professor	01	01
2.	Computer Engineering Department	B.Tech.	Aided Course	Professor	02	02
				Associate Professor	04	04
				Assistant Professor	09	09
		M.Tech.	Self-Financed	Professor	02	00
				Associate Professor	02	00
				Assistant Professor	02	02
		IT (B.Tech.)	Self-Financed	Professor	02	00
				Associate Professor	04	00
				Assistant Professor	09	08
		IT (M.Tech)	Self-Financed	Professor	01	00
				Associate Professor	01	00
				Assistant Professor	01	01
3.	Computer Applications Department	MCA	Self-Financed	Professor	01	00
				Associate Professor	02	01
				Assistant Professor	04	04
4.	Electronics Engineering Department	B.Tech.	Aided Course	Professor	02	01
				Associate Professor	04	03
				Assistant Professor	10	10
		Self-Financed	Professor	03	00	
			Associate Professor	05	01	
			Assistant Professor	10	09	
		M.Tech.	Self-Financed	Professor	02	00
				Associate Professor	02	01
				Assistant	02	02



				Professor		
5.	Electrical Engineering Department	B.Tech.	Aided Course	Professor	02	01
				Associate Professor	04	04
				Assistant Professor	09	08
		M.Tech	Self-Financed	Professor	01	00
				Associate Professor	01	00
				Assistant Professor	01	01
6.	Humanities & Sciences Department	Teachers appointed against HAS service in various Department	Aided Course	Assistant Professor	10	10
			Self-Financed	Professor	05	00
		Associate Professor		05	01	
		Assistant Professor		14	07	
7.	MBA Department	MBA	Self-Financed	Professor	01	01
				Associate Professor	02	02
				Assistant Professor	05	05
8.	Chemistry Department	M.Sc.	Aided Course	Professor	01	01
				Associate Professor	01	00
				Assistant Professor	06	04
		B.Sc.	Aided Course	Professor	00	00
				Associate Professor	01	01
				Assistant Professor	06	03
9.	Environmental Sciences Department	M.Sc.	Aided Course	Professor	01	00
				Associate Professor	01	01
				Assistant Professor	04	03
10.	Physics Department	B.Sc.	Aided Course	Professor	00	00
				Associate Professor	01	00
				Assistant Professor	06	05
11.	Mathematics Department	B.Sc.	Aided Course	Professor	00	00
				Associate Professor	01	00
				Assistant Professor	06	05
12.	Civil Engineering Department	B. Tech	Aided Course	Professor	01	00
				Associate Professor	02	01
				Assistant Professor	04	02



13.	Life Sciences Department	M.Sc. (Bio-Tech)	Aided Course	Professor	01	00
				Associate Professor	02	01
				Assistant Professor	04	01
14.		M.Sc. (Microbiology)	Aided Course	Professor	01	00
				Associate Professor	02	00
				Assistant Professor	04	01

**NON- TEACHING/ ADMINISTRATIVE/ TECHNICAL STAFF (2022-23)**

Sr. No.	Name of Post	Pay Band + Grade Pay (Rs.)	No. of Post sanctioned by FD	No. of Posts filled in	No. of Posts lying vacant
1.	Vice Chancellor	HAG	01	01	00
2.	Registrar	FPL-19	01	01	00
3.	Controller of Finance	FPL-19	01	01	00
4.	Controller of Exam	FPL-19	01	01	00
5.	TPO	FPL-19	01	00	01
6.	Librarian	FPL-19	01	00	01
7.	Dy. Registrar	FPL-12	06	03	03
8.	Workshop Supdt.	FPL-12	01	01	00
9.	System Manager	FPL-12	01	00	01
10.	Asstt. Librarian	FPL-11	01	01	00
11.	Executive Engineer (Civil)	FPL-11	01	00	01
12.	Assistant Registrar	FPL-10	06	04	02
13.	Asstt. Director Sports	FPL-10	01	00	01
14.	Medical Officer	FPL-10	01	01	00
15.	HOS	FPL-9	07	07	00
16.	System Analyst-cum-Programmer	FPL-9	01	01	00
17.	Public Relation Officer	FPL-9	01	01	00
18.	SDE (Civil)	FPL-9	01	01	00
19.	Assistant Law Officer	FPL-7	01	01	00
20.	Sr. Instructor	FPL-6	08	08	00
21.	Superintendent	FPL-7	08	04	04
22.	PS to VC	FPL-6	01	01	00
23.	Dy. Supdt	FPL-6	12	01	11
24.	Personal Assistant	FPL-6	03	03	00
25.	Accountant	FPL-6	01	00	01
26.	J.E. (Electrical)	FPL-6	01	01	00





27.	J.E (Civil)	FPL-6	01	01	00
28.	Assistant	FPL-6	21	19	02
29.	Cashier	FPL-6	01	01	00
30.	Nurse	FPL-6	01	01	00
31.	Instructors	FPL-6	16	14	02
32.	Technician	FPL-6	08	03	05
33.	Lab Technician	FPL-6	03	02	01
34.	Sr. Stenographer	FPL-6	05	05	00
35.	Dispenser	FPL-6	01	01	00
36.	Sr. Storekeeper	FPL-6	01	00	01
37.	Jr. Stenographer	FPL-4	07	00	07
38.	Electrician	FPL-4	03	03	00
39.	Electrician- Gr-I	FPL-4	01	01	00
40.	Driver	FPL-4	02	02	00
41.	Lineman	FPL-4	01	00	01
42.	Plumber Gr.II	FPL-4	01	01	00
43.	Library Attendant-cum - Restorer	FPL-2	01	01	00
44.	Lab Assistant	FPL-2	14	09	05
45.	Library counter clerk	FPL-2	03	02	01
46.	Clerk	FPL-2	38	23	15
47.	Storekeeper	FPL-2	01	00	01
48.	Carpenter	FPL-2	01	01	00
49.	Matron	FPL-2	01	00	01
50.	Generator Operator	FPL-2	01	01	00
51.	Male Dispensary Attendant	FPL-DL	01	00	01
52.	Peon	FPL-DL	14	09	05
53.	Helper/ Attendant	FPL-DL	14	08	06
54.	Lab Attendant	FPL-DL	09	00	09
55.	Medical Officer (Part-Time) Male	20,000/- pm consolidated	01	00	01
56.	Medical Officer (Part-Time) Female	20,000/- pm consolidated	01	00	01
<b>TOTAL (AIDED)</b>			<b>242</b>	<b>150</b>	<b>92</b>



**RESEARCH  
AND  
DEVELOPMENT**



## RESEARCH INITIATIVES AND COURSES

### 1. 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. The major objectives of the 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. Organize research promotion events like summits, conferences, seminars, workshops, expert lectures, and panel discussions through talks with eminent personalities from reputed institutions and industries, etc.
- iv. To motivate faculty members, research scholars, staff, and students to apply for patents and also encourage them 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 MoUs 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. Naresh Chauhan, Professor	Director
2.	Dr. Rajeev Kumar Saha, Associate Professor	Deputy Director

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

Committee Name	Key Functions of the Committee	Committee Members
<b>Research Programs</b>	<ul style="list-style-type: none"> <li>• Ph.D. Admissions</li> <li>• Database of PhD 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, Electronics</li> <li>6. Dr. Sakshi, Electrical</li> <li>7. Dr. Renu, Mgmt. Studies</li> </ol>
<b>Research Infrastructure and Finance</b>	<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. Anurag Gaud, Phy</li> <li>4. Dr. Payal, CE</li> <li>5. Sh. Yogesh Maurya, Civil</li> </ol>
<b>Policies</b>	<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</li> </ul>	<ol style="list-style-type: none"> <li>1. Dr. C.K. Nagpal, CE, Incharge</li> <li>2. Dr. Maneesha Garg, Phy, Coordinator</li> <li>3. Dr. Sunil, Chem</li> </ol>



	to ethics, plagiarism, paper presentation abroad, etc.	4. Dr. Sonia Hooda, CMT
<b>Collaboration and Industry linkage, Consultancy</b>	<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>Dr. Rashmi, CE, Incharge</li> <li>Dr. Jyotsana, Mgmt. Studies, Coordinator</li> <li>Dr. Sangeeta, Electronics</li> <li>Sh. Piyush, CE</li> <li>Ms. Shikha, CE</li> <li>Ms. Renu Dagar, ALO</li> </ol>
<b>IPR, Innovation and Startup/Incubation</b>	<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>Dr. Sanjeev Goel, Mech, Incharge</li> <li>Dr. Sapna, Mgmt. Studies, Coordinator</li> <li>Dr. Rashmi Chawla, Electronics</li> <li>Dr. Krishan Verma, ME</li> <li>Dr. Ashlesha, CE</li> <li>Dr. Neha, Mgmt. Studies</li> </ol>
<b>Research Proposals</b>	<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>Dr. Yogendra Arya, Electrical, Incharge</li> <li>Dr. Anurag Prakash Sunda, Chem, Coordinator</li> <li>Dr. Deepansh, Life Sc.</li> <li>Dr. Shefali Dixit, Mech</li> <li>Dr. Smita, EVS</li> <li>Dr. Lalit Mohan, CE</li> <li></li> </ol>
<b>Research Information &amp; Dissemination</b>	<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 the RDC website</li> <li>Development of Research Information system</li> </ul>	<ol style="list-style-type: none"> <li>Dr. Shailender, Electronics, Incharge</li> <li>Dr. Poonam, CE, Coordinator</li> <li>Dr. Deepika, CE, Coordinator</li> <li>Dr. Umesh, CE</li> <li>Ms. Manju, Electronics</li> </ol>
<b>Research Promotion</b>	<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,</li> </ul>	<ol style="list-style-type: none"> <li>Dr. Kakoli Dutt, Life Sc., Incharge</li> <li>Dr. SitaRam, Chem., Coordinator</li> <li>Dr. Shailza, Electronics</li> <li>Dr. Parveen Kumar, Phy.</li> </ol>



	<ul style="list-style-type: none"> <li>travel, registration</li> <li>Monitoring the research grants such as RUSA, etc.</li> </ul>	
<b>Research Events</b>	<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>
<b>Legal Matters and Consolidation</b>	<ul style="list-style-type: none"> <li>Frame replies for RDC-related RTIs</li> <li>Detailed function-wise consolidation for reporting in the 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.	10/08/2022	Meeting with the Research Programme Committee regarding Ph.D. Admissions
2.	24/08/2022	Meeting with Research Infrastructure & Finance regarding Research Budget
3.	08/09/2022	Meeting with Collaboration & Industry Linkage, Consultancy regarding MoU policy
4.	15/11/2022	Meeting for verification of Ph.D. Seats 2022-23
5.	21/11/2022	For organize colloquium-1
6.	12/01/2023	For organize colloquium-2
7.	30/01/2023	DRC meeting
8.	31/01/2023	Finalize the names of URS candidates
9.	14/02/2023	Modified Ph.D. ordinance, startup & patent policies
10.	22/03/2023	For organize colloquium-3
11.	13/04/2023	For organize colloquium-4
12.	24/04/2023	Activity under the Publication Bureau
13.	26/04/2023	E-Journal (J.C. Bose Journal of Science & Technology)

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

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



## EVENTS / ACTIVITIES/ACHIEVEMENTS DURING THE YEAR

Sr. No.	Name of Activity	Date	Beneficiary Count
1.	COLLOQUIUM – I Research Paper Writing and Publication by Dr. Deepa Madan	16.01.2023	150
2.	COLLOQUIUM – III तंत्रयुक्ति: Ancient Indian method of Thesis Construction	28.03.2023	180
3.	COLLOQUIUM – IV Essential aspect of writing research papers for publishing in journals	18.04.2023	210
4.	Latex Software System: An Overview, Seminar by Dr. Suraj Goyal, Assistant Professor	08.02. 2023- 09.02.2023	100

## LIST OF RESEARCH PROJECTS GRANTED BY THE OUTSIDE AGENCIES IN THE SESSION 2022-23

Sr. No	Title of the project	Granted to	Agency	Type	Dept.	Year	Amount (in Lakhs)
1.	Development of Biomass-derived activated carbon for electrode material in energy storage application	Dr. Sonia Bansal Dr. Aman Joshi	HSCIT	Govt.	Physics	Oct-22	32.80
2.	Microphase Separation Morphology and Ion-Dynamics in Anion Exchange Membrane Fuel Cell Applications	Dr. Anurag Prakash	SERB-DST-GOI	Govt.	Physics	Dec-22	32.14
3.	AICTE-IDEA Lab.	Dr. Sanjeev Goyal/ Dr. Sapna Taneja	AICTE	Govt.	Centralized	Dec-22	110.00
4.	Thermal response tests on geothermal boreholes with different configurations of heat exchanger pipes for efficient space-conditioning in the residential sector	Dr. Rajni Saggi	HSCSIT	Govt.	Civil Engg.	Mar-23	46.00
5.	Bioengineered nano-patterned Renewable Carriers as Scaffolds for Enzyme Immobilization for Enhanced Stability 7 Catalytic Activities	Dr. Bindu Mangla	HSCSIT	Govt.	Chemistry	Mar-23	36.74
6.	Design and fabrication of PZT-based energy harvesting generator by low-cost chemical technique	Dr. Anuj Kumar Dr. Ompal Singh	HSCSIT	Govt.	Physics	Mar-23	27.95



7.	Analyzing the effect of Photon Subtraction on Non-classically and non-Gaussianity of displaced Fock State.	Dr. Arpita Chatterjee	SERB-SURE	Govt.	Mathematics	May-23	29.41
8.	Development of Non-innocent (Redox-Active o-aminophenolate metal complexes as potent anti-viral agents for sars-Cov-2	Dr. Amit Rajput	SERB-SURE	Govt.	Chemistry	May-23	30
9.	Understanding and promoting GIG workers well being in the Indian Education sector.	Dr. Sapna Taneja	ICSSR	Govt.	Management	Mar-23	3.5
10.	Energy Autonomous Electronic Skin for Compact Flexible Energy System	Dr. Yogita	HSCSIT	Govt.	Physics	Nov-22	49.6
11.	Development of Spiro pyran Based Metal Complexes as Potent Drug Candidate for Effective Photodynamic and Photothermal Cancer Therapy	Dr. Bhawna Uttam	SERB	GOI		June-23	22.93



**FACULTY OF ENGINEERING  
AND  
TECHNOLOGY**





# DEPARTMENT OF MECHANICAL ENGINEERING





## DEPARTMENT OF MECHANICAL ENGINEERING

1. Name of the Chairperson: Prof. Raj Kumar
2. New Programs offered by the Department: Nil
3. Details of Teaching Staff:

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Sandeep Grover	Ph.D.	Professor	Industrial Engineering, Quality Management	17.07.1995
2.	M. L. Aggarwal	Ph.D.	Professor	Mechanical Design, Mechatronics	23.11.1989
3.	Tilak Raj	Ph.D.	Professor	FMS, Cutting Tools Design	24.09.1991
4.	Raj Kumar	Ph.D.	Professor	Thermal Engineering	31.08.2004
5.	Vikram Singh	Ph.D.	Professor	Quality Management	01.08.2002
6.	Arvind Gupta	Ph.D.	Professor	Thermal Engineering, CFD	24.02.2006
7.	Hari Om	Ph.D.	Professor	Welding Engineering	19.07.2004
8.	Lakhwinder Singh	Ph.D.	Professor	Material Technology, Fluid Dynamics	01.08.2002
9.	Vikas Kumar	Ph.D.	Professor	JIT Manufacturing	01.08.2002
10.	Sanjeev Kumar	Ph.D.	Professor	Industrial Engineering	19.06.2012
11.	Vasdev Malhotra	Ph.D.	Professor	Advanced Manufacturing & Automation	06.01.2006
12.	Sandhya Dixit	Ph.D.	Professor	Thermal Engineering, Industrial Engineering	06.01.2006
13.	Sanjeev Goyal	Post- Doc	Associate Professor	Robotics & Automation	11.01.2007
14.	Nikhil Dev	Ph.D.	Associate Professor	Thermal Engineering	11.01.2007
15.	Bhaskar Nagar	Ph.D.	Associate Professor	Mechanical Design, CAE	02.09.2008
16.	Rajeev Saha	Ph.D.	Associate Professor	Operation Management, Web Management	09.09.2008
17.	Mukesh Gupta	Ph.D.	Assistant Professor	CAD/CAM, Power Plant	03.01.2006
18.	Rajesh Attri	Ph.D.	Assistant Professor	Quality Management, Operation Management	01.01.2009
19.	Krishan Verma	Ph.D.	Assistant Professor	CAD/CAM, FEA, Mechanical Design	06.01.2010
20.	Mahesh Chand	Ph.D.	Assistant Professor	Industrial Engineering, Supply Chain, MCDM	18.01.2010
21.	O. P. Mishra	Ph.D.	Assistant Professor	Mechanical Design, Supply Chain, JIT	14.02.2011
22.	Surender Singh	M. Tech.	Assistant Professor	Industrial Engineering	15.02.2011



23.	Bhupender Singh	Ph.D.	Assistant Professor	Industrial Engineering	17.02.2011
24.	Shefali Trivedi	Ph.D.	Assistant Professor	Mechanical Metallurgy	22.03.2012
25.	Sanjay Kumar	Ph.D.	Assistant Professor	Advanced Manufacturing Technology	02.04.2012
26.	Nitin Panwar	Ph.D.	Assistant Professor	Thermal Engineering	03.03.2014

#### 4. Details of Non-Teaching Staff:

Sr. No.	Name	Designation	Highest Qualification	D.O.J.
1.	Dinesh Arora	PA to Chairperson	B. A.	17.11.1989
2.	Sapna	Clerk	Post Graduate (MBA)	26.05.2020
3.	Heera Lal	Peon	12 <sup>th</sup>	15.02.1991
4.	Satish	Helper	10 <sup>th</sup>	HKRNL

#### 5. Departmental Journal and Conference Publications:

Sr. No.	Particular	Number
1.	Publications in International Journals	5
2.	Publications in National Journals	-
3.	Papers presented at International Conferences	7
4.	Papers presented at National Conferences	1

#### 6. List of Publication in SCI/SCIE/Scopus Journals:

Sr. No.	Title of Paper	Name of Author(s)	Name of Journal	Indexing
1.	A Study of key challenges in the implementation of Digital Supply Chain in the context of Indian SMEs.	N. K. Chauhan, V. Kumar, S. Dixit	Lecture Notes of Mechanical Engineering by Springer, 2022, vol. 20, pp. 23-32	Scopus
2.	To Achieve Sustainability in Supply Chain with Digital Integration: A TISM Approach	N. K. Chauhan, V. Kumar, S. Dixit	International Journal of Experimental Research and Review, 2022, vol. 30, pp. 442-451	Scopus
3.	ISM Approach for Analyzing the Barriers to Digital Supply Chain Adoption in Indian SMEs	N. K. Chauhan, V. Kumar, S. Dixit	International Journal of Services and Operations Management, 2023, vol. 18, pp. 817-841	Scopus
4.	Investigating the applicability of green supply chain management in manufacturing sectors” International Journal of System Assurance Engineering and Management	O. P. Mishra, M. Chand, K. Kumar, P. Mishra	International Journal of System Assurance Engineering and Management, 2023, vol. 14, pp. 1183-1196	SCI



5.	High-power cold diodes for the protection of a 1.5T superconducting MRI magnet system.	V. Soni, A. Gupta S. Kar	Semiconductor Science and Technology, 2022, vol. 37, pp. 1085-1112	Scopus
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#### 7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized:

Sr. No	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Expert Lecture on Exhaust Gas Treatment	18.07.2022	64
2.	Expert Lecture on ECO-2022: Air-Water- Soil	24.09.2022	100
3.	Expert Lecture on Sustainable Energy Solutions with Industrial Applications	21.10.2023	20
4.	Expert Lecture on Energy saving	07.12.2022	60
5.	Expert Lecture on Intellectual Property in Innovation and New Product Development	21.02.2023	45
6.	Expert Lecture on Challenge Yourself for Developing Self-Confidence	27.02.2023	80
7.	Expert Lecture on Towards Creative Thinking	28.02.2023	75
8.	Expert Lecture on Industrial Consultancy: Challenges and Opportunities	01.03.2023	150
9.	Expert Lecture on Environmental Noise Control	02.03.2023	80
10.	Expert Lecture on Design of Quieter Machinery	03.03.2023	70
11.	Expert Lecture on Failure Analysis of Mechanical Equipment	20.04.2023	60
12.	Expert Lecture on Competitive Exams Preparation	25.04.2023	100
13.	Expert Lecture on Electronic Fuel Injection System	24.05.2023	10
14.	Expert Lecture on Strategy to crack GATE and other competitive exams	03.05.2023	50

#### 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. Tilak Raj, Dr. Bhaskar Nagar	Triple Angle Drill	21.10.2022	Indian Patent Office	Granted
2.	Prof. M. L. Aggarwal	Machine Learning-Based Device for Sorting Plastic Waste	23.02.2023	Indian Patent Office	Granted

#### 9. Details of Industrial Visits organized:

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	MV Electrosystems, Faridabad	22.12.2022	Sh. Surender Singh Dr. Bhaskar Nagar	51
2.	Bony Polymers Pvt. Limited, Faridabad	06.03.2023	Sh. Surender Singh	54

10. Sponsored R & D Projects: Nil

11. List of Consultancy Projects Completed: Nil



12. List of New Appointees in the Department: Nil

13. List of Ph.D. completed in the Department: Nil

14. List of Awards/ Achievements of the Faculty/Staff/Students:

Sr. No	Name of Faculty/Staff/Student	Name of Awarding Agency(S)	Name of Award/Prize	Date of Receiving Award
1.	Dr. Krishan Verma	Dr. B. R. Ambedkar NIT Jalandhar	Best Paper Award in CPIE-2023	21.03.2023

15. Placement details of Students:

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	B.Tech. (Mechanical Engg.)	115	98	12 LPA	5.39 LPA

16. Major Equipment/Software purchased:

Sr. No.	Equipment/software purchased	Price	Date of Purchase
1.	<b>Equipment in FM laboratory:</b> Reynolds Number Apparatus, Flow-meter Demonstration unit, Gear Pump, Mono Block Pump, Turbine	1.30 Lac	27.03.2023

17. Higher Education data of students:

Name of student	Program graduated from	Name of institution joined	Name of program admitted to
Namya Goel	B. Tech (Mechanical Engg.)	Institute of Management Technology, Nagpur	PGDM
Anjali Sharma	B. Tech (Mechanical Engg.)	IIT Palakkad	Computer Science Department

18. Academic and Extension activities of students: Nil

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

Sr. No.	Name of Faculty	Topic	Venue	Date
1.	Prof. Sandeep Grover	Invited Speaker for Quality in Manufacturing	NITTTR, Chandigarh	06.07.2022
2.	Prof. Sandeep Grover	Resource Person for Outcome-Based Education: Strategies & Processes	JNAFA University, Hyderabad	18.08.2022
3.	Prof. Sandeep Grover	Resource Person for Outcome Based Education	Tezpur University, Tezpur	29.09.2022
4.	Prof. Sandeep Grover	Invited Speaker for Bloom's Taxonomy in Outcome-based Education	MRU, Faridabad	30.09.2022
5.	Prof. Sandeep Grover	Resource person for Preparedness towards NAAC Accreditation	Gurugram University, Gurugram	14.11.2022



6.	Dr. Krishan Verma	Invited Speaker for Leadership Skills for NCC Cadets	DCRUST, Murthal	12.01.2023
7.	Dr. Bhupender Singh	Invited Speaker for Advancement in Mechanical Engineering	RDEC, Ghaziabad	30.12.2022
8.	Prof. Sandeep Grover	Outcome Based Education	NIT, Delhi	10.02.2023
9.	Prof. Arvind Gupta	Invited Speaker for National Education Policy 2020	SDIMT College Tigaon	20.03.2023
10.	Prof. Arvind Gupta	Invited Speaker for National Education Policy 2020	GGDT Sanatan Dharma College Palwal	27.04.2023
11.	Prof. Arvind Gupta	Invited Speaker for Energy Efficiency in Refrigeration and Air-Conditioning	RKGIT, Ghaziabad	24.06.2023



# DEPARTMENT OF ELECTRICAL ENGINEERING







## DEPARTMENT OF ELECTRICAL ENGINEERING

1. Name of the Chairperson: Prof. Anju Gupta
2. New Programs offered by the Department:

Sr. No.	Name of the Program	Sanctioned Intake
1.	Minor Degree Program in Electric Vehicles	36

### 3. Details of Teaching Staff:

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J.
1.	P.R. Sharma	Ph.D.	Professor	Power System	14.09.1994
2.	Rajesh Kr. Ahuja	Ph.D.	Professor	Power Electronics and Drives	26.06.2007
3.	Poonam Singhal	Ph.D.	Professor	Power System	01.01.1990
4.	Anju Gupta	Ph.D.	Professor & Chairperson	Power System	15.01.2007
5.	Yogendra Arya	Ph.D.	Associate Professor	Power System	06.04.2021
6.	Rashmi Agarwal	Ph.D.	Associate Professor	Power System & Drives	28.07.2008
7.	Sakshi Kalra	Ph.D.	Associate Professor	Power System	14.01.2008
8.	Nitin Goel	Ph.D.	Assistant Professor	Power System	10.01.2007
9.	Shakuntla	Ph.D.	Assistant Professor	Power System & Drives	10.01.2007
10.	Anubha Gautam	Ph.D.	Assistant Professor	Power System & Drives	17.02.2011
11.	Shipra Aggarwal	M.Tech	Assistant Professor	Power System & Drives	10.04.2012
12.	Satvinder Singh	M.Tech	Assistant Professor	Power System & Drives	04.05.2012
13.	Rachna	M.Tech	Assistant Professor	Power Systems	28.02.2014
14.	Atma Ram	M.Tech	Assistant Professor	Power System & Drives	03.01.2014
15.	Bharti Thakur	M.Tech	Assistant Professor	Power System & Drives	26.07.2018

### 4. Details of Non-Teaching Staff:

Sr. No.	Name	Designation	Highest Qualification	D.O.J.
1.	Satpal	HOS	B.E (Electrical)	18.08.2006
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)	04.08.2014
6.	Damoder Bhardwaj	Lab Instructor	B. Tech	20.06.2016
7.	Upasana Sehgal	Clerk	MBA	22.02.2016
8.	Kaniram	Lab Attendant	12 <sup>th</sup>	03.10.2016
9.	Suraj	Helper Attendant	12 <sup>th</sup>	14.04.2019





### 5. Departmental Journal and Conference Publications:

Sr. No.	Particular	Number
1.	Publications in International Journals	25
2.	Publications in National Journals	-
3.	Papers presented at International Conferences	20
4.	Papers presented at National Conferences	-

### 6. List of Publication in SCI/SCIE/Scopus Journals:

Sr. No	Title of Paper	Name of Author(s)	Name of Journal	Indexing
1.	Sensitivity factor-based congestion mitigation in DPS applying novel GWPSO	A. Gautam, P. Sharma, Y. Kumar, G. Sharma, A. Gautam	Electric Power Components and Systems, 2022, vol. 51, pp. 155-167	SCI
2.	Enhancement of power quality using U-SOGI-based control algorithm for DSTATCOM	A. Ram, P. R. Sharma, R. K. Ahuja	Ain Shams Engineering Journal, 2023, vol. 51, pp. 1-20	SCI
3.	A Novel PRESH controller design for three-phase grid-tied SPPS.	U. Yadav, A. Gupta, R. K. Ahuja	Energy Reports, 2022, vol. 8, pp. 1-8	SCI
4.	Hardware validation of hybrid MPPT technique via Novel ML controller and P&O method	U. Yadav, A. Gupta, R. K. Ahuja	Energy Reports, 2022, vol. 8, pp. 77-84	SCI
5.	Power quality disturbances detection and classification based on deep convolution auto-encoder networks	Y. Arya, P. Khetarpal	IEEE Access, 2022, vol. 11, pp. 46026–46038	SCI
6.	Jaya-ITDF control strategy-based frequency regulation of multi-microgrid utilizing energy stored in high-voltage direct current-link capacitors	Y. Arya, K. Singh	Soft Computing (Springer), 2023, vol. 27, pp. 5951–5970	SCI
7.	Tidal turbine support in microgrid frequency regulation through novel cascade Fuzzy-FOPID droop in de-loaded region	Y. Arya, K. Singh	ISA Transactions (Elsevier), 2023, vol. 133, pp. 218–232	SCI
8.	Optimal dynamic frequency regulation of renewable energy-based hybrid power system utilizing a novel TDF-TIDF controller	Y. Arya, K. Singh, M. Amir	Part A-Recovery Utilization and Environmental Effects Energy Sources (Taylor & Francis), 2022, vol. 44, pp. 10733– 10754.	SCI
9.	Stochastic wind energy integrated multi-source power system control via a	Y. Arya, V. Kumar, V. Sharma,	Energy Sources Part A-Recovery Utilization and Environmental Effects (Taylor & Francis), 2022,	SCI



	novel model predictive controller based on Harris Hawks optimization	R. Naresh, A. Singh,	vol. 44, pp. 10694–10719	
10.	Stabilization of frequency in multi-microgrid system using barnacle mating Optimizer-based cascade controllers	Y. Arya, K. Peddakapu, P. Srinivasarao, M. R. Mohamed, D. J. K. Kishore	Sustainable Energy Technologies and Assessments (Elsevier), 2022, vol. 54, 102823	SCI
11.	Cascade FOPI-FOPTID controller with energy storage devices for AGC performance advancement of electric power systems	Y. Arya, R. Choudhary, J. N. Rai	Sustainable Energy Technologies and Assessments (Elsevier), 2022, vol. 53, 102671	SCI
12.	Utilization of energy storage devices with optimal controller for multi-area hydro-hydro power system under a deregulated environment	S. Ranghi, S. Jain, Y. Arya	Sustainable Energy Technologies and Assessments (Elsevier), 2022, vol. 52, 102191	SCI
13.	Frequency stabilization in sustainable energy sources integrated power systems using novel cascade noninteger fuzzy controller	S. Sharma, S. Prakash Saxena, S. Dhundhara, Yogendra Arya	Energy Sources Part A-Recovery Utilization and Environmental Effects (Taylor & Francis), 2022, vol. 44, pp. 6213–6235	SCI
14.	Power quality disturbances detection and classification based on deep convolution auto-encoder networks	P. Khetarpal, N. Nagpal, M. S. Al-Numay, P. Siano, Y. Arya, N. Kassarwani	IEEE Access, 2023, vol. 11, pp. 46026–46038	SCI
15.	Neural network-based novel controller for hybrid energy storage system for electric vehicles.	S. Sharma, S. Boora	Indonesian Journal of Electrical Engineering and Computer Science, 2023, vol. 30, pp. 670-680	SCOPUS
16.	Design and Implementation of Electromagnetic Suspension Systems using FEM Parameterized Linear Actuator.	S. K. Yadav, S. Boora, N. Goel,	European Chemical Bulletin, 2022, vol.11, pp. 749-759	SCOPUS
17.	Double stage PV-BES weak grid connected system.	A. Kumar, R. Jain, B. Singh	Electrical Engineering, 2023, vol. 105, pp. 2585–2593	SCI



**7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized by the Department:**

Sr. No.	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Short-Term Course on "Electric Vehicle Technologies"	7.08.23-11.08.23 (05 Days)	50
2.	Webinar on Energy Efficiency in Buildings by Mr. Manash Chatterjee, Vice President (Education and Marketing), TIET Mr. Sudish Sharma, Director, Clancy Global	11.05.2023 (01 Day)	40
3.	Expert Lecture on Team Building" by Mr. Naveen Nanda- S. General Manager Havells India Pvt. Ltd	04.05.2023 (01 Day)	50
4.	Expert Lecture on Career Opportunities for B. Tech by Mr. Arjun Chhabra	05.04.2023 (01 Day)	78
5.	Expert Lecture on Campus to Corporate by Mr. Naveen Nanda, General Manager-Havells India Ltd	02.03.2023 (01 Day)	55
6.	Expert Lecture on Resources of Library and its uses" by Deputy Librarian, J.C. Bose, UST, YMCA	24.02.2023 (01 Day)	50
7.	Expert Lecture on the Role of Cable Impedance in the Functioning of Controls by Dr. Raj Kumar Singh	20.01.2023 (01 Day)	35
8.	Expert Lecture on Grid Operation Challenges with Low Inertia Generation by Dr. Manohar Singh, CPRI	29.11.2022 (01 Day)	60
9.	Expert Lecture on The Rise of solar industry in India by Mr Anil Kumar Bareja, M.D. Bareja Solar & Projects Pvt. Ltd.	15.09.2022 (01 Day)	54
10.	Expert Lecture on Electric Vehicle: A future projection for India Automobile Segment Mr Ankur Mittal, Manager & Program Leader- Energy management LCCBM.	15.09.2022 (01 Day)	63
11.	Expert Lecture on 'Detection and Design of False Data Injection Attack on the cyber-physical system by Dr. Arpan Chattopadhyay, IIT Delhi'	09.08.2022 (01 Day)	30
12.	Expert Lecture on 'Applications of AI in Electrical Engineering by Dr Rajneesh Sharma, Professor NSUT Delhi.	26.07.2022 (01 Day)	85

**8. FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff:**

Sr. No.	Particular	Number
1.	FDPs	13
2.	STCs/STPS	10
3.	Workshops	-
4.	Conferences	20



### 9. 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. Poonam Singhal, Dr. Shakuntla, Sh. Nitin Goel	Regenerative Hybrid Energy Storage System for Electric Vehicles	30.12.2022	Controller General of Patents, Design and Trade Marks	Published
2.	Prof. Anju Gupta, Prof. Rajesh Kumar Ahuja	Design of framework for analysis of pros and cons of inverter time division multiplexing for electric vehicles from the perspective of onboard controller	06.01.2023	Controller General of Patents, Design and Trade Marks	Published
3.	Prof. Anju Gupta, Prof. Rajesh Kumar Ahuja	Maximum power point tracking with regression machine learning algorithms for solar PV system	30.12.2022	Controller General of Patents, Design and Trade Marks	Published
4.	Prof. Poonam Singhal, Dr. Shakuntla, Sh. Nitin Goel	Smart Dustbin	02.06.2023	Controller General of Patents, Design and Trade Marks	Granted

### 10. Details of Industrial/ Site Visits organized:

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	Havells India Ltd. (Neemrana & Giloth)	16.02.2023	Mr. Atma Ram	35
2.	Biswanath Chariali – Agra HVDC Line, India	09.02.2023	Mr. Satvinder	45
3.	Hero Moto Corp Ltd. Dharuhera	07.02.2023	Prof. Rajesh Kumar Sh. Pawan Kumar	40
4.	HVPNL Sector 66, 66/11 kV Sub Station	23.11.2022	Prof. Anju Gupta, Prof. Rajesh Kumar Ahuja	60
5.	ABB India Ltd. Faridabad	13.12.2022	Prof. Anju Gupta, Prof. Rajesh Kumar Ahuja	36
6.	Thermal Power Plant Panipat.	18.11.2022	Prof. Anju Gupta, Mr. Atma Ram, Mr. Pawan Kumar	26
7.	Renewable Energy India Expo 2022, Greater Noida	30.09.2022	Prof. Anju Gupta, Prof. Rajesh Kumar Ahuja	31



11. Sponsored R & D Projects: Nil  
 12. List of Consultancy Projects Completed: Nil  
 13. Details of MOUs signed by the Department: Nil  
 14. List of Ph.D. completed in the Department: Nil  
 15. List of Awards/ Achievements of the Faculty/Staff/Students:

Sr. No.	Name of Faculty/Staff/Student	Name of awarding Agency(s)	Name of Award/Prize	Date of Receiving Award
1.	IET Renewable Power Generation (IET-Wiley)	Dr. Yogendra Arya	Top Cited Article 2021-2022	14.08.2022
2.	Journal of Electrical Engineering & Technology (SCIE Journal published by Springer with IF: 1.9)	Dr. Yogendra Arya	Best Associate Editor Award	06.05.2023
3.	Stanford University, USA/Elsevier	Dr. Yogendra Arya	Top 2% of Researchers in the World	04.10.2022
4.	InSc Institute of Scholars	Dr. Shakuntla	Research Excellence Award	12.04.2023

**16. Placement details of Students:**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	B. Tech	46	44	12 lpa	4.37lpa

Major Recruiters: TCS, Havells Ltd.

17. Major Equipment/Software purchased: Nil  
 18. Higher Education data of students: Nil  
 19. Academic and Extension activities of students:

Sr. No	Date	Name of Activity	Number of Participants
1.	07.08.2023 to 11.08.2023	A Short-Term Course on 'Electric Vehicle Technologies'	50
2.	30.06.2022	A workshop on 'Decoding Encoders'	88
3.	29.08.2022 to 04.09.2022	Event Escalade11.0	12
5.	20.11.2022 to 21.11.2022	Induction 2022	200
6.	18.12.2022	Fresher's Party Reizo 2022	250
7.	28.01.2023	A workshop on 'Introduction to Microcontroller'	60
8.	13.02.2023 to 15.02.2023	Technical Event Invictus'23	24
9.	22.03.2023 to 27.03.2023	Technical Fest Techkriti 2023	5
10.	31.03.2023	Browsing Arduino Workshop	86
11.	26.04.2023 to 27.04.2023	D2F Workshop	80



### 20. Faculty served as Invited Speaker/Chair/Resource Person:

Sr. No.	Name of Faculty	Topic	Venue	Date
1.	Dr. Yogendra Arya	Introduction to Electrical Power System	Gurgaon Institute of Technology & Management, Gurugram	06.10.2023
2.	Prof. Anju Gupta	Energy Auditing for non-domestic, domestic, and bulk customers, HT metering and metering techniques.	NPTI Corporate Office, Faridabad.	22.07.2022

### 21. Faculty serving as Editors/Members of Editorial Boards:

Sr. No.	Name of Faculty	Details
1.	Dr. Yogendra Arya	Associate Editor in the Journal of Ambient Intelligence and Humanized Computing (Scopus Journal published by Springer)
		Associate Editor in Engineering Applications of Artificial Intelligence (SCIE Journal published by Elsevier with Impact Factor - 8.0)
		Academic Editor in International Journal of Energy Research (SCIE Journal published by Wiley-Hindawi with Impact Factor - 4.6)
		Associate Editor in Automatica (SCIE Journal published by Taylor & Francis with Impact Factor-1.9)
		Associate Editor in Electric Power Components and Systems (SCIE Journal published by Taylor & Francis with Impact Factor - 1.5)
		Associate Editor in IETE Journal of Research (SCIE Journal published by Taylor & Francis with an Impact Factor of 1.5)
		Editor Board Member in Neural Computing and Applications (SCIE Journal published by Springer with Impact Factor - 6.0)
		Associate Editor in Chaos, Solutions & Fractals (SCIE Journal published by Elsevier with Impact Factor - 7.8)
		Associate Editor in Engineering Science and Technology, an International Journal (SCIE Journal published by Elsevier with Impact Factor - 5.7)
		Associate Editor in IET Generation, Transmission & Distribution (SCIE Journal published by IET-Wiley with Impact Factor - 2.5)





# DEPARTMENT OF ELECTRONICS ENGINEERING





## DEPARTMENT OF ELECTRONICS ENGINEERING

1. **Name of the Chairperson:** Prof. Pradeep Kumar Dimri
2. **New Programs offered by the Department:** Nil
3. **Details of Teaching Staff:**

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Munish Vashishath	Ph.D.	Professor	Semiconductor Devices	06.07.2005
2.	Neelam Turk	Ph.D.	Professor	Signal Processing	14.01.2008
3.	Pradeep Dimri	Ph.D.	Professor	Embedded System	15.07.1994
4.	Shailender Gupta	Ph.D.	Associate Professor	Networking, Image Processing	10.01.2007
5.	Sheilza Jain	Ph.D.	Associate Professor	Control System, Analog Electronics	04.01.2008
6.	Rashmi Chawla	Ph.D.	Associate Professor	VLSI Design, IoT, Photovoltaic Devices	10.08.2008
7.	Prashant Kumar	Ph.D.	Associate Professor	VLSI Design	15.08.2008
8.	Dushyant Shukla	Ph.D.	Assistant Professor	Signal Processing	29.07.2004
9.	Archana Agarwal	M.Tech	Assistant Professor	Image Processing	31.08.2004
10.	BalKrishan	Ph.D.	Assistant Professor	Nano Electronics	03.01.2006
11.	Bharat Bhushan	M.Tech	Assistant Professor	Electronics Engineering	10.08.2006
12.	Nitin Sachdeva	Ph.D.	Assistant Professor	VLSI Design	10.01.2007
13.	Vinod Rathor	M.Tech	Assistant Professor	Control System	10.01.2007
14.	Priyanka	Ph.D.	Assistant Professor	Communication Engineering	24.01.2007
15.	Sangeeta Dhall	Ph.D.	Assistant Professor	Network security, Image Processing, Embedded system	25.01.2007
16.	Neetu Gupta	Ph.D.	Assistant Professor	Video Processing	09.02.2007
17.	Preet Kaur	Ph.D.	Assistant Professor	Microwave & Antenna Device	28.07.2008
18.	Lalit Rai	Ph.D.	Assistant Professor	Control System	01.09.2009
19.	Sonam Khatter	Ph.D.	Assistant Professor	Wireless Sensor Networks	09.09.2008
20.	Archana Aggarwal	Ph.D.	Assistant Professor	Communication Engg.	10.10.2008
21.	Gunjan Sardana	M.Tech	Assistant Professor	Communication Engineering	01.01.2009
22.	Kalpana Sheokand	Ph.D.	Assistant Professor	Signal Processing	26.08.2009
23.	Sunil Jadav	Ph.D.	Assistant Professor	VLSI Design & Automation	14.02.2011
24.	Manju Kumari	Ph.D.	Assistant Professor	Image Processing	21.03.2012
25.	Nisha Yadav	M.Tech	Assistant Professor	VLSI Design	14.02.2017





26.	Rohit Tripathi	Ph.D.	Assistant Professor	VLSI Design	08.04.2021
27.	Prasoon Sharma	Ph.D.	Assistant Professor	Electronics and Instrumentation and Vedic Yoga	03.08.2018
28.	Renu Goyal	M.Tech	Assistant Professor	Electronics and Communication	14.11.2022
29.	Preeti Mehta	Ph.D.	Assistant Professor	Robotics	14.11.2022
30.	Manju Dagar	M.Tech	Assistant Professor	Electronics	14.11.2022
31.	Amana Yadav	Ph.D.	Assistant Professor	VLSI	14.11.2022

#### 4. 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.	Kapil Tyagi	PA to Chairperson	B.P.Ed.	HKRNL
15.	Shiv Ram	Helper Attendant	10 <sup>th</sup>	HKRNL
16.	Jiya Ram	Helper Attendant	12 <sup>th</sup>	HKRNL

#### 5. Departmental Journal and Conference Publications:

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

#### 6. List of Publication in SCI/SCIE/Scopus Journals:

Sr. No.	Title of Paper	Name of Author(s)	Name of Journal	Indexing
1.	Application of Silicide Layer and Work Function in Optimization of MOSFET Process Parameters	N. Sachdeva, P. Kumar, N. Gupta	European Chemical Bulletin, 2023, vol. 12, pp. 10799 – 10808	Scopus
2.	Branching Particle Filter for Crowd Anomaly Detection	N. Sachdeva, N. Gupta	European Chemical Bulletin, 2023, vol. 12, pp. 10809 – 828	Scopus
3.	A Review of Current Developments in The Detection of Brain Cancer Using Machine Learning: A Systematic Analysis of	P. Kaur	International Journal of Membrane Science and Technology, 2023, vol. 10,	Scopus



	Methodology, Comparisons, Results and Challenges		pp. 375-390	
4.	Exploring Machine Learning Approaches for Predicting Brain Tumors: A Comparative Study	P. Kaur	International Journal of Membrane Science and Technology, 2023, vol. 10, pp. 364-374	Scopus
5.	Quantum based robust and swift hybrid security mechanism	S. Dhall, S. Gupta	Multimedia Tools and Applications, 2022, vol. 30, pp. 43727-43752	SCIE
6.	Segmentation technique for the detection of Micro cracks in solar cell using support vector machine	S. Gupta	Multimedia Tools and Applications 2023, vol. 82, pp. 32091–32116	SCIE
7.	Contrast enhancement of underwater images using conditional generative adversarial network	S. Gupta	Multimedia Tools and Applications 2023, vol. 82, pp. 10959-10989	SCIE
8.	A multilevel qubit encryption mechanism using SHA-512	S. Gupta	Multimedia Tools and Applications 2023, vol. 82	SCIE
9.	A robust and secure immensely random GAN based image encryption mechanism	S. Dhall, S. Gupta	Multimedia Tools and Applications 2023, vol. 82, pp. 19693-19743	SCIE
10	BITA-Based Secure and Energy-Efficient Multi-Hop Routing in IoT-WSN	P. K. Dimri	Cybernetics and Systems, 2023, vol. 6, pp. 809-835	SCIE
11	Channel estimation and detection with space time transmission scheme in colocated multiple-input and multiple-output system	P. K. Dimri	ETRI Journal, 2023, vol. 45, pp. 217-225	SCIE
12	Deep Neural Network Based Modelling of Chemisorption Process on Surface of Oxide Based Gas Sensors	P. K. Dimri	Journal of Scientific & Industrial Research (JSIR), 2023, vol. 11, pp. 1143-1151	SCIE
13	Anomaly Detection in video frames: Hybrid gain optimized kalman filter	N. Gupta, G. Sardana	Multimedia tools and applications, 2023, vol. 82, pp. 33961-33982	SCIE
14	Simulation of 3D space vector modulation for neutral point clamped inverters	N. Gupta, G. Sardana	Bulletin of electrical engineering and informatics, 2023, vol. 12, pp. 719-726	SCIE
15	Comparative analysis of chaotic and quantum chaotic encryption mechanism	S. Dhall	Lecture Notes in Electrical Engineering book series, 2022, vol. 979, pp. 249-267	SCIE
16	Performance Investigation of a Dielectric Stacked Triple Material Cylindrical Gate All Around MOSFET (DSTMCGAA) for Low Power Applications	P. Kumar	ECS Journal of Solid-State Science and Technology, 2023, vol. 12, pp. 43070	SCIE
17	AROA: Adam Remora Optimization Algorithm and Deep Q network for energy harvesting in Fog-IoV network	S. Jain	Applied Soft Computing, 2023, vol.136, pp. 1-13	SCIE
18	Fractional mayfly optimization	S. Jain	International Journal of	SCIE



	algorithm-based Infrastructure-to-Vehicle and Vehicle-to-Vehicle scheduling for service message transmission in IoV-fog		Communication Systems, 2023, vol. 36, pp. 218-237	
19	Estimation of renewable biogas energy potential from livestock manure: A case study of India	S. Jain	Bioresource Technology Reports, 2023, vol. 22, pp. 101432	Scopus (Elsevier)
20	Feasibility assessment of biomass for sustainable power generation to mitigate climate change in a rural cluster: a case study in India	S. Jain	Biomass Conversion and Biorefinery, 2023, vol. 22, pp. 1-18	SCIE (Springer)

7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized: Nil

8. FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff:

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

9. Patents Published/ Granted During the Year:

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

10. Details of Industrial/Site Visits organized: Nil

11. Sponsored R & D Projects:

Sr. No.	Name of the Principal Investigator	Title of the Project	Funding agency	Duration	Year of Allotment	Amount
1.	Prof. Munish Vashishath, Dr. Rashmi Chawla	Smart E-bin with IoT set-up	Rotary Club-Faridabad	2 Year	17.03.2023	2,00,000/-

12. List of Consultancy Projects Completed: Nil

13. Details of MOUs signed by the Department: Nil



#### 14. List of Ph.D. s completed in the Department:

Sr. No.	Name of the Candidate	Title of the thesis	Date of completion	Name of the supervisor(s)
1.	Lalit Rai	Design of Water Level Controller for Drum Boiler Steam Generator using Model Predictive Control	31.01.2023	Prof. S.K. Agarwal
2.	Neetu Gupta	Video Behavior Profiling for Anomaly Detection	21.06.2023	Prof. Munish Vashishath, Prof. Rajeev Kapoor
3.	Manju Kumari	Design and Analysis of an Efficient Secured Mechanism for Preserving Image Confidentiality	21.06.2023	Dr. Shailender Gupta
4.	Tarun Kumar Sachdeva	Characterization of Gate All Around MOSFET	21.06.2023	Prof. S.K. Agarwal, Prof. A.K. Kushwaha

#### 15. List of Awards/ Achievements of the Faculty/Staff/Students:

Sr.No.	Name of Faculty/Staff/Student	Name of awarding Agency(s)	Name of Award/Prize	Date of Receiving Award
1.	Prof. Pradeep Kumar	Institution of Engineers (India)	IE(I) Eminent Engineers Award	15.09.2022

#### 16. Placement details of Students:

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

**Major Recruiters:** Adobe, STMicroelectronics, Cognizant, Samsung R&D Noida, Mahindra Defence System Lid, JSW, Schneider Electric.

**17. Major Equipments/ Softwares purchased:** Nil

**18. Higher Education data of students:**

Name Of Student	Program graduated from	Name of institution joined	Name of program admitted to
Eshita Juneja	B. Tech (Electronics Instr. & Control)	University of Delhi, South Campus	MBA
Anjali Sharma	B. Tech (Electronics Instr. & Control)	National Institute of Technology, Kurukshetra	M.Tech. (Control System)



### 19. Academic and Extension activities of Students:

Sr. No.	Event name	Date	Venue
1.	Tree plantation drive	15.07.2022	Adopted Villages
2.	Felicitation of villagers over 75 years of age	15.07.2022	J.C. Bose, UST, YMCA
3.	Panch Pran activity on Earth Day	21.04.2023	J.C. Bose, UST, YMCA
4.	Seminar on G-20: Environment and climate sustainability	21.04.2023	J.C. Bose, UST, YMCA
5.	Pledge for planet through LiFE	16.05.2023	J.C. Bose, UST, YMCA

### 20. Faculty served as Invited Speaker/Chair/Resource Person:

Sr.No.	Faculty Name	Topic	Venue	Dates
1.	Prof. Pradeep Kumar Dimri	Invited Speaker for Workplace Spirituality	J.C. Bose University of Science & Technology YMCA, Faridabad	21.03.2023
2.	Prof. Pradeep Kumar Dimri	Invited Speaker for Professional Course for Success	J.C. Bose University of Science & Technology YMCA, Faridabad	22.12.2022
3.	Dr. Shailender Gupta	Expert Lecture on Application of Mathematics in data communication security	J.C. Bose University of Science & Technology YMCA, Faridabad	20.07.2022
4.	Sh. Bharat Bhushan	Expert Lecture on Advance Concepts in Digital Design	J.C. Bose University of Science & Technology YMCA, Faridabad	09.09.2022
5.	Dr. Dushyant Shukla	Expert Lecture on Multi-rate Signal Processing	J.C. Bose University of Science & Technology YMCA, Faridabad	02.12.2022
6.	Ms. Sangeeta Dhall	Expert Lecture on Analysis & Design of State Machines	J.C. Bose University of Science & Technology YMCA, Faridabad	15.02.2023
7.	Dr. Sunil Jadav	Expert Lecture on Industry 4.0	J.C. Bose University of Science & Technology YMCA, Faridabad	20.02.2023
8.	Dr. Preet Kaur	Expert Lecture on Latest Trends in Design of Planar Antennas	J.C. Bose University of Science & Technology YMCA, Faridabad	05.02.2023
9.	Dr. Rohit Tripathi	Expert Lecture on Recent Designs and Applications of PV, Hybrid PV And PVT Collectors	J.C. Bose University of Science & Technology YMCA, Faridabad	29.03.2023
10.	Sh. Bharat Bhushan	Expert Lecture on Advance Concepts in Digital Design- PART-2	J.C. Bose University of Science & Technology YMCA, Faridabad	11.08.2023
11.	Ms. Archana Aggarwal	Expert Lecture on Habit Building	J.C. Bose University of Science & Technology YMCA, Faridabad	29.09.2023
12.	Dr. Prashant Kumar	Keynote Lecture on Semiconductor: Past, Present and Future Perspective in India	Kalyani University, Kolkata	23.04.2023



### 21. Faculty serving as Editors/Members of Editorial Boards:

Sr. No.	Name of Faculty	Details
1.	Dr. Rashmi Chawla	Board for the selection of Teachers in KVS through direct recruitment (May 14,2023-May 19,2023).
2.	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
		Reviewer for IEEE Transactions on Big Data
		Reviewer for IEEE Transactions on Circuits and Systems
		Reviewer for IEEE MultiMedia, IEEE Access
		Reviewer for IEEE Transactions on Systems, Man, and Cybernetics: Systems
		Reviewer for IEEE Internet of Things Journal
		Reviewer for IEEE Internet of Things Journal
		Reviewer for IETE Journal of Research
		Reviewer for Transactions on Electrical and Electronic Materials
		Reviewer for IEEE Transactions on Circuit and Systems for Video Technology
		Reviewer for IEEE Access
		Reviewer for Science Progress
Reviewer for 3-D Research		



**DEPARTMENT  
OF  
CIVIL ENGINEERING**



## DEPARTMENT OF CIVIL ENGINEERING

1. **Name of the Chairperson:** Prof. Rajkumar
2. **New Programs offered by the Department:** Nil
3. **Details of Teaching Staff:**

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Rajni Saggu	Ph.D.	Associate Professor/In-charge	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

4. **Details of Non-Teaching Staff:**

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

5. **Departmental Journal and Conference Publications:**

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

6. **List of Publication in SCI/SCIE/Scopus Journals:**

Sr. No.	Title of Paper	Name of Author(s)	Name of Journal	Indexing
1.	A Preliminary Techno-economic Feasibility Study of Geothermal Heat Exchange System for Buildings in India.	R. Saggu	Thermal Science and Engineering Progress, 2023, vol. 41, pp. 101836	SCIE
2.	Pile Group Response to Thermal Cycles and Associated Alterations in Surrounding Soil.	R. Saggu	Journal of Geotechnical and Geoenvironmental Engineering, 2023, vol. 149, pp. 04023017	SCIE





3.	Effect of Soil State on Load-displacement of Thermal Piles.	R. Saggu	Indian Geotechnical Journal., 2023, vol. 53, pp.1213-1225	ESCI/Scopus
4.	Behavior of Saturated Soils at Elevated Temperatures: A Review.	R. Saggu	Indian Geotechnical Journal, 2023, vol. 53, pp. 227-256	ESCI/Scopus
5.	Performance assessment of bamboo bond strength in cement–fly ash mortar.	V.Puri	Proceedings of the Institution of Civil Engineers-Structures and Buildings, 2022, vol. 23, pp. 1-16	SCIE
6.	Development of Eco-Friendly Bricks for Sustainable Construction.	V.Puri	IOP Conference Series: Materials Science and Engineering, 2022, vol. 1148, pp.012-019	Scopus
7.	Classification of groundwater quality using multivariate statistical techniques: A case study from a part of Haryana, northwestern India	S. Ravish	Environmental Geochemistry and Health, 2023, vol. 45, pp. 1757-1751	SCI/Scopus

#### 7. Details of FDPs/ Workshops/Conferences/ Expert Lectures Organized:

Sr. No.	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Seminar on How to Plan for Start-up and Legal & Ethical Steps	27.04.2023	50
2.	Seminar on Achieving Problem-Solution Fit and Product-Market Fit	13.02.2023	60
3.	Expert lecture on Recent Innovations in Power Systems	29.11.2022	50
4.	Workshop on Business Model Canvas	20.04.2023-21.04.2023 (Two Days)	55
5.	Seminar on Critical Thinking & Innovation in Contemporary India	12 .02.2023	56

#### 8. FDP/STC/STPs/Workshop/Conference Attended by the Faculty/Staff:

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

#### 9. Patents Published/Granted during the year: Nil



### 10. Details of Industrial/Site Visits organized:

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	National Council for Cement and Building Materials, NCCBM, Faridabad	10.08.2022	Sh. Ashish Agarwal, Sh. Yogesh Kumar Morya	50
2.	Bhakra Dam and Ganguwal Power Station of Bhakra Beas Management Board	15.01.2023 – 17.01.2023	Sh. Ashish Agarwal	36

### 11. Sponsored R & D Projects:

Sr. No.	Name of the Principal Investigator	Title of the Project	Funding agency	Duration	Year of Allotment	Amount
1.	Rajni Saggu	Thermal response tests on geothermal boreholes with different configurations of heat exchanger pipes for efficient space-Conditioning in the residential sector	Haryana State Council for Science, Innovation and Technology (HSCSIT), DST, Govt. of Haryana	3 years	2023	46 Lac
2.	Rajni Saggu	Investigation of Load Transfer Mechanism of Geothermal Energy Pile Groups in Sand	Council of Scientific and Industrial Research (CSIR- HRDG), Govt. of India	3 years	2019	19.32 Lac
3.	Vishal Puri	Numerical Analysis of Bamboo reinforced concrete prefabricated wall Panels	JCBoseUST, YMCA. Faridabad	2 years	2021	2 Lac
4.	Sandeep Ravish	Design and Development of Hydro-powered Piston Pump	JCBoseUST, YMCA. Faridabad	2 years	2023	2 Lac
5.	Sandeep Ravish	Wastewater Treatment and Energy Harvesting for Societal Application	DST, Govt. of India	5 years (May be Extended)	2023	--



12. List of Consultancy Projects Completed: Nil  
 13. Details of MOUs signed by the Department: Nil  
 14. List of Ph.D. s completed in the Department: Nil  
 15. List of Awards/ Achievements of the Faculty/Staff/Students: Nil  
 16. 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)	50	27	9.5 LPA	6.96 LPA

**Major Recruiters:** JSW, Maruti Suzuki, Aquagreen, Cognizant, McDermott, Godrej & Boyce Mfg. Co. Ltd., Byju's- The Learning App, Square Yards, Decimal Technologies Pvt. Ltd., Accenture, and Learning Routes.

**17. Major Equipments/Softwares Purchased:**

Sr.No.	Equipment/software purchased	Price	Date of Purchase
1.	Hydraulic and Geotech Lab (Miscellaneous)	583,177/-(approx.)	15.08.2022

**18. Higher Education data of students:** Nil

**19. Academic and Extension activities of students:**

Sr. No.	Event name	Date	Venue
1.	Competitions on Eve of Independence Day to Celebrate Azadi Ka Amrit Mahotsav and Har Ghar Tiranga Mission	03.08.2022-10.08.2022	J.C. Bose UST, YMCA Faridabad
2.	Industrial Visit at National Council for Cement and Building Materials, NCCBM	10.08.2022	National Council for Cement and Building Materials, Ballabhargh
3.	Industrial Visit at Bhakra Dam and Ganguwal Power Station of Bhakra Beas Management Board	15.01.2023-17.01.2023	Bhakra Nangal Dam and Ganguwal Power Station of Bhakra Beas Management Board, Una, Himachal
4.	TechFest 'NIRMAAN' by SANRACHNA Club	16.02.2023-17.02.2023	J.C. Bose UST, YMCA Faridabad

**20. Faculty served as Invited Speaker/ Chair/ Resource Person:** Nil

**21. 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
2.	Dr. Sandeep Ravish	Reviewer of Transportation Infrastructure Technology
		Editorin Edit Springs Co (Boston, USA)
		Editorin International Journal of Bioculture
		Editorin Applied Environmental Science



	Editorin Public Health Risk Assessment
	Editorin Toxicology, Environmental and Occupational Health
	Editorin Sustainability Society and Eco-Welfare
	Editorin Agro-sociology and Sustainability
	Editorin Earth Kingdom
	Editorin Natural Disaster Mitigation and Education
	Editorin 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 S 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)
	Reviewer of International Journal of Evergreen (Publisher Springer, Iran, ESCI, SCOPUS)



**FACULTY  
OF  
INFORMATICS AND COMPUTING**



# DEPARTMENT OF COMPUTER ENGINEERING





## DEPARTMENT OF COMPUTER ENGINEERING

1. **Name of the Chairperson:** Prof. Atul Mishra
2. **New Programs offered by the Department:** Nil
3. **Details of Teaching Staff:**

Sr. No.	Name	Qualification	Designation	Area of Specialization	Date of joining
1.	C. K. Nagpal	M.Tech. Ph.D.	Professor	Soft Computing, Automata Theory	24.02.1988
2.	Naresh Chauhan	B.Tech. M.Tech. Ph.D.	Professor	Software Testing	01.04.2004
3.	Komal Kumar Bhatia	B.E. M.Tech. Ph.D.	Professor	Information Retrieval, Web Mining, AI & ML	03.01.2006
4.	Atul Mishra	B.Tech. M.Tech. 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	B.Tech. M.Tech. Ph.D.	Associate Professor	Software Testing, Project Management, Machine Learning	03.01.2006
13.	Shruti Mittal	Ph.D.	Assistant Professor	Information Retrieval, Machine Learning, Deep learning	10.01.2007
14.	Poonam	Ph.D.	Assistant Professor	Opportunistic Network, Game Theory, Fuzzy Inference System, Advanced Algorithms, MANET, Blockchain Technology	01.08.2007



15.	Deepika Punj	Ph.D.	Assistant Professor	Internet Technologies, Machine Learning, Computer Vision	14.01.2008
16.	Payal Gulati	Ph.D.	Assistant Professor	Information Retrieval, Machine Learning, Data Analytics, Computer Vision	14.01.2008
17.	Amita Arora	Ph.D.	Assistant Professor	Machine Learning, Computer Vision, Deep Learning	28.07.2008
18.	Ashlesha Gupta	Ph.D.	Assistant Professor	Internet Technologies, Information Retrieval, Computer Networks, Machine Learning	10.09.2008
19.	Preeti Sethi	Ph.D.	Assistant Professor	Wireless Sensor Networks, Machine Learning, Data Science	10.09.2008
20.	Rashmi Popli	Ph.D.	Assistant Professor	Software Testing, Agile Software Development, Security, Software Engineering	06.02.2009
21.	Sonali Gupta	Ph.D.	Assistant Professor	Information Retrieval, Machine Learning, Computer Vision	12.08.2009
22.	Sushil Kumar (Dec. 2022)	B. Tech M. Tech, Ph.D.	Assistant Professor	Computer Organization & Architecture, Real Time Systems, Information Retrieval	(relieved on dated 01.12.2022)
23.	Umesh Kumar	Ph.D.	Assistant Professor	Wireless Security	16.04.2012
24.	Piyush Gupta	M.Tech., Pursuing Ph.D.	Assistant Professor	Big Data Analytics, Machine Learning, Recommendation Systems	25.09.2018
25.	Shivi Garg	Ph.D.	Assistant Professor	Android Malware, Information Security	26.09.2018
26.	Rewa Sharma	Ph.D.	Assistant Professor	Adhoc Networks, Data Mining, IoT	28.09.2018
27.	Lalit Mohan Goyal	Ph.D.	Assistant Professor	Data Mining, Algorithm	05.11.2018
28.	Alka Choudhary (Oct 2022)	B.E, M.E, Pursuing Ph.D.	Assistant Professor	Machine Learning and Natural Language Processing	Resigned on 04.10.2022
29.	Shikha Gupta	M.Tech. Pursuing Ph.D.	Assistant Professor	Big Data, Online Marketing	06.03.2017





30.	Ayyu Gupta (Jan 2023)	M.Tech.	Assistant Professor	Information Retrieval, Machine Learning	Resigned on 21.01.2023
31.	Monika Gupta (March 2023)	M.Tech, Pursuing Ph.D.	Assistant Professor	IOT, Machine Learning, Big Data, Information Retrieval, Data Mining	Resigned on 27.03.2023
32.	Shilpi	M.Tech, Pursuing Ph.D.	Assistant Professor	Computer Vision	02.08.2018
33.	Raveena Aggarwal	M.Tech. Pursuing Ph.D.	Assistant Professor	Cloud Computing, Big Data	02.08.2018
34.	Yojana	M.Tech, Pursuing Ph.D.	Assistant Professor	Machine Learning, Data Mining, Block Chain	06.10.2022
35.	Rachna	M.Tech, Pursuing Ph.D.	Assistant Professor	Wireless Communication and Network Security	05.12.2022
36.	Dimple Chehal	M.Tech, Pursuing Ph.D.	Assistant Professor	Data Mining, Data Analytics	07.12.2022
37.	Garima	M.Tech.	Assistant Professor	Data Mining	25.01.2023

#### 4. Details of Non-Teaching Staff:

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

#### 5. Journal and Conference Publications:

Sr. No.	Particular	Number
1.	Publications in International Journals	7
2.	Papers presented in International Conferences	5



### 6. List of Publication in SCI/SCIE/Scopus Journals:

Sr. No	Title of Paper	Name of Author(s)	Name of Journal	Indexing
1.	MalVulDroid: Tracing Vulnerabilities from Malware in Android using Natural Language Processing	Shivi Garg, Niyati Balyan	Journal of Web Engineering	SCIE
2.	A Novel Approach to Detect Copy Move Forgery using Deep Learning	M. Kathuria, A. Pillai, D. Punj	Journal of Scientific & Industrial Research	SCIE
3.	How Machine Learning is used to Study Addiction in Digital Healthcare: A Systematic Review	B. Chhetri, L.M. Goyal, and M. Mittal	International Journal of Information Management Data. Insights, IJIMDI, Elsevier, vol. 3(2), 100175	Scopus
4.	Recent Query Reformulation Approaches for Information Retrieval System-A Survey	V. Gupta, A. Dixit	Recent Advances in Computer Science and Communications (Formerly: Recent Patents on Computer Science) Volume 16, Issue 1, Pages 94-107.	Scopus
5.	A Comparative Analysis of Sentence Embedding Techniques for Document Ranking	V. Gupta, A. Dixit, S. Sethi	Journal of Web Engineering Vol 21 Issue 7 Dec 2022 pp 2149–2186	SCIE
6.	ML-Fresh: Novel Routing Protocol in Opportunistic Networks Using Machine Learning” Computer Systems Science & Engineering	P. Garg, A. Dixit, P. Sethi	” Computer Systems Science & Engineering, Vol.40, No.2, pp. 703-717, 2022, DOI:10.32604/csse.2022.019557	Scopus
7.	Rakshak: A Child Identification Software for Recognizing Missing Children Using Machine Learning-Based Speech Clarification	A. Dixit, P. Sethi, P. Garg	International Journal of Knowledge-Based Organizations (IJKBO) Volume 12, Issue 3, Pages 1-15, Publisher IGI Global.	Scopus

### 7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized:

Sr.No.	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Expert Lecture on “Open-Source Technologies” Mr. Siddharth Verma Technical Lead in Binmile Technologies	19.04.2023 (01 day)	100



2.	Seminar on Exciting Career Opportunities after Engineering by Prof Subha Reddy, an expert from UnAcademy	20.04.2023 (01 day)	324
3.	Expert Lecture Series on Nature of Language, Mind and Consciousness Prof Manjeet Singh (Professor in Department of Computer Applications)	15.07.2022 (01 day)	50
4.	Expert Lecture on Importance of Innovation Culture in India for Overall Growth & Development of Nation by Mr. Narinder Singh Jassal (Sr. Principal Scientist and Principal, Indo-Swiss Training Centre)	22.07.2022 (01 day)	214
5.	Expert Lecture on Optimality of Binary Search Trees by Dr Poonam (Assistant Professor in Department of Computer Engineering)	01.08.2022 (01 day)	25
6.	Expert Lecture on Advance Algorithms Design Professor Komal Kumar Bhatia (Professor in Department of Computer Engineering)	04.08.2022 (01 day)	79
7.	Expert Lecture on Data Communication Concepts by Professor Ashutosh Dixit (Professor in Department of Computer Engineering)	12.12.2022 (01 day)	21
8.	Expert Lecture on Smart Cities by Dr Lalit Mohan Goyal (Assistant Professor in Department of Computer Engineering)	02.03.2023 (01 day)	25

#### 8. Patents Published/ Granted:

Sr. No.	Name of Faculty/Staff	Patent Title	Date of Award	Patent granting body	Status (Published/Granted)
1.	Dr. Umesh Kumar, Dr. Sushil Kumar, Dr. Vedpal, Dr. Harish Kumar, Mr. Piyush Gupta	Detect Malware in Cyber Security by using Machine Learning and Artificial Intelligence	26.08.2022	Indian Patent	Published
2.	Dr. Charu Virmani, Dr. Anuradha Pillai	An Integrated User Based Query processing system and Method for Social Network Aggregator	21.10.2022	Indian Patent	Published

#### 9. FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff:

Sr. No.	Particular	Number
1.	Conferences	04

#### 10. Details of Industrial/Site Visits organized:

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	Network Bulls	19.01.2023	Ms. Rachna	40



### 11. Sponsored R & D Projects:

Sr.No.	Name of the Principal Investigator	Title of the Project	Funding agency	Duration	Year of Allotment	Amount
1.	Dr. Ashutosh Dixit, Dr. Preeti Sethi, Mr. Punnet Garg	Child Identification Software for Recognising Missing Children using Machine Learning based speech Clarification Technique	AICTE	3 Years	Dec 2020	655,686
2.	Prof. Komal Kumar Bhatia, Dr Neelam Duhan	AICTE Research and Innovation Scheme	AICTE	3 Years	Jan 2022	Granted 448333/- Received 392291/-

### 12. List of Consultancy Projects Completed:

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

### 13. List of Ph.Ds completed in the Department:

Sr. No	Name of the Candidate	Name of the University	Title of the Thesis	Date of completion	Name of the Supervisor(s)
1.	Puneet Garg	J.C. Bose University of Science & Technology, YMCA	Design of Effective Data Communication Systems for Opportunistic Sensor Networks	06.02.2023	Prof. Ashutosh Dixit, Dr Preeti Sethi

### 14. List of Awards/ Achievements of the Faculty/Staff/Students: Nil

### 15. Placement details of Students:

Sr.No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	B.Tech CE	149	124	45 LPA	13.37 LPA
2.	B.Tech IT	67	56	52 LPA	13 LPA

### 16. Major Recruiters: Amazon, Uber, Accenture, TCS, Samsung, Nagarro, Flipkart, Yamaha

### 17. Major Equipments/ Software purchased: Nil



### 18. Higher Education Data of Students:

Sr.No.	Name of Exam	Name of Student	Exam Roll Number	Ranking (Percentile)/Score
1.	GATE	Ritik Goyal	CS23S13031368	9868/ 359
2.	GATE	Khushi Gupta	CS23S13003251	5769/ 423
3.	GATE	Ankit Kumar	CS23S13003302	8936/ 371
4.	GATE	Nidhi	CS23S13003355	5590/ 427
5.	GATE	Harshita	CS23S13040093	3935/ 468
6.	GATE	Princy	CS23S18022158	12731/ 329
7.	GATE	Vaidehi	CS23S18012385	938/ 630
8.	GATE	Satvik	CS23S13003438	3784/ 472
9.	GATE	Sanskar	CS23S13003219	3784/ 472
10.	GATE	Divek	CS23S13003311	6923/ 401
11.	GATE	Ananya	CS23S13003477	10159/ 356
12.	CAT 2022	Divek	22268320	89.26/ 47.20

### 19. Academic and Extension Activities of Students:

- Expert Lecture on “Open-Source Technologies” delivered by Mr. Siddharth Verma (Technical Lead in Binmile Technologies) on 19.04.2023, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad (Beneficiary Count:100)
- Seminar on “Exciting Career Opportunities after Engineering” delivered by Prof Subha Reddy, an Expert from Unacademy on 20.04.2023, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology, YMCA Faridabad (Beneficiary Count:324)
- Expert Lecture Series on “Nature of Language, Mind and Consciousness” delivered by Prof Manjeet Singh (Professor in Department of Computer Applications) on 15.07.2022, organized by Department of Computer Engineering in collaboration with Department of Computer Applications, J.C. Bose University of Science and Technology, YMCA, Faridabad. (Beneficiary Count:50)
- Expert Lecture on “Importance of Innovation Culture in India for Overall Growth & Development of Nation” delivered by Mr. Narinder Singh Jassal (Sr. Principal Scientist and Principal, Indo-Swiss training centre) on 22.07.2022, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad (Beneficiary (Count:214)
- Expert Lecture on “Optimality of Binary Search Trees” delivered by Dr Poonam (Assistant Professor in Department of Computer Engineering) on 01.08.2022, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad. (Beneficiary Count:25)
- Expert Lecture on “Advance Algorithms Design” delivered by Prof. Komal Kumar Bhatia on 04.08.2022, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad (Beneficiary Count:79)
- Expert Lecture on “Data Communication Concepts” delivered by Prof. Ashutosh Dixit, on 12.12.2022, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad. (Beneficiary Count:21)



- Expert Lecture on “Smart Cities” delivered by Dr Lalit Mohan Goyal (Assistant Professor in Department of Computer Engineering) on 02.03.2023, organized by Department of Computer Engineering, J.C. Bose University of Science and Technology YMCA Faridabad. (Beneficiary Count:25)

**20. Faculty served as Invited Speaker/Chair/Resource Person:**

- Prof Ashutosh Dixit delivered a talk as Session Chair on the topic “Role of ICT to Provide Digital Health to All” in ICRIDH-2023, on 24.06.2023
- Prof Ashutosh Dixit delivered a talk as Guest Speaker on the topic “Outcome Based Education Framework and Preparing Institution for NBA SAR filing “, at Manav Rachna University, on 08.09.2022.

**21. Faculty serving as Editors/Members of Editorial Boards**

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





# DEPARTMENT OF COMPUTER APPLICATIONS





## DEPARTMENT OF COMPUTER APPLICATIONS

### 1. Name of the Chairperson: Prof. Manjeet Singh

### 2. New Programs offered by the Department:

Sr.No.	Course Details	Intake
1.	B.Sc (Animation & Multimedia)	35
2.	M.Sc (Animation & Multimedia)	20

### 3. Details of Teaching Staff:

Sr.No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Manjeet Singh	Ph.D.	Professor	Natural Language Processing, Artificial Intelligence & Machine Learning	05.07.2004
2.	Shilpa Sethi	Ph.D.	Associate Professor	Information Retrieval, Artificial Intelligence & Machine Learning Computer Vision	03.01.2006
3.	Mamta Kathuria	Ph.D.	Assistant Professor	Computer vision, Artificial Intelligence, Fuzzy Logic	14.01.2008
4.	Manvi	Ph.D.	Assistant Professor	Information Retrieval, Internet & Web Technologies, Ontology, Big Data	14.01.2008
5.	Vedpal	Ph.D.	Assistant Professor	Software Testing, Object Technologies	03.08.2009
6.	Aditya	MFA	Assistant Professor (Contractual)	Animation, Film Making	17.09.2018
7.	Rajiv	M.Sc.	Assistant Professor (Contractual)	3D Animation	25.10.2021
8.	Arko Dey	M.Sc.	Assistant Professor	Animation, Fine Art, Visual Art	01.08.2019
9.	Sunil	M.Sc.	Assistant Professor	Web Technology	01.08.2022
10.	Deepak	M.Sc.	Assistant Professor	Visual Art	01.08.2022
11.	Ritu	M.Tech.	Assistant Professor	Computer Science Engineering	19.10.2022
12.	Disha Garg	M.Tech.	Assistant Professor	Machine Learning, Deep Learning, Python, AI, IoT, Cloud Computing	19.10.2022

### 4. Details of Non-Teaching Staff:

Sr.No.	Name	Designation	Highest Qualification
1.	Rashika	Instructor	M.Sc. (Animation & Multimedia)
2.	Sangeeta	Instructor	B.Sc. (Fine Arts)





### 5. Departmental Journal and Conference Publications:

Sr.No.	Particular	Number
1.	Publications in International Journals	7

### 6. List of Publication in SCI/SCIE/Scopus Journals:

Sr. No.	Title of Paper	Name of Author(s)	Name of Journal	Indexing
1.	A Novel Hybrid Approach for Intent Creation and Detection Using K-Means-Based Topic Clustering and Heuristic-Based Capsule Network	C. Magoo, M. Singh	International Journal of Information Technology & Decision Making	Scopus, SCIE, IF 3.508
2.	Design and Development of New Interactive Chatbot System for Mobile Service Providers through Heuristic-Based Ensemble Learning	C. Magoo, M. Singh	Cybernetics and Systems: An International Journal,	SCIE. IF 1.859
3.	A Comparative Analysis of Sentence Embedding Techniques for Document Ranking.	V. Gupta, A. Dixit, S. Sethi,	Journal of Web Engineering, 2149-2186	SCIE, Scopus
4.	A Hybrid Approach to Discover Entity Synonyms	M. Kathuria, C. K. Nagpal, N. Duhan,	International Journal of Information Retrieval Research, IGI Global	ECI, ACM
5.	Systematic Review on Data Scarcity Problem in Deep Learning: Solution and Applications	A. Bansal, R. Sharma, M. Kathuria	ACM Computing Surveys, Association for Computing Machinery (ACM),	SCI
6.	A Multilevel System Test Cases Prioritization Technique for Object Oriented Software	Vedpal, N. Chauhan	ICIC Express Letters Part B: Applications ICIC International 2022	Scopus
7.	Trip Planner: A Big Data Analytics Based Recommendation System for Tourism Planning	K. K. Ranga, C K Nagpal, Vedpal	International Journal on Recent and Innovation Trends in Computing and Communication	Scopus

### 7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized:

Sr.No.	Name of the FDP/ Workshop/ Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Rangoli Competition and Diwali Poster Making Competition	21.10.2022 (01 day)	80
2.	Workshop on 3D Animation	21.04.2023 (01 day)	50
3.	Workshop on Clay Modelling	05.05.2023 to 07.05.2023 (02 days)	50



4.	Art Exhibition on 'Life Study at Rishikesh'	07.06.2023 (01 day)	100
5.	An Expert Lecture on 'Empowered to Learn how to do Digital Art in Industry, Work Culture of Animation Studios'	02.11.2022 (01 day)	50
6.	Programming Role in Design and Development	06.06.2023 (01 day)	50
7.	Portfolio Exhibition	19.12.2022 (01 day)	100
8.	Museo Camera Centre for the Photographic Arts, Gurugram	28.07.2022 (01 day)	50
9.	Indogma Film Festival	16.11.2022 to 18.11.2022 (02 days)	100

**8. Patents Published/ Granted during the year:** Nil

**9. FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff:**

Sr.No.	Particular	Number
1.	FDPs	04
2.	Conferences	01

**10. Details of Industrial/ Site Visits Organized:**

Sr.No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	Nature Life study & Photography, Rishikesh	17.03.2023 to 19.03.2023 (02 days)	Sh. Rajiv Ranjan	50
2.	Exterior and Interior Design Study, Jaipur	28.01.2023 to 30.01.2023 (02 days)	Sh. Aditya, Sh. Rajiv Ranjan	50
3.	Comic Con - Comics, Movies, TV Shows, Anime, Gaming and more such as Exhibitions, Panels, Workshops, Cosplay Competitions, Gaming Tournaments and Merchandise	10.12.2022 (01 day)	Sh. Arko Dey	50
4.	National gallery of modern art, Delhi	30.11.2022 (01 day)	Sh. Rajiv Ranjan	50

**11. Sponsored R & D Projects:** Nil

**12. List of Consultancy Projects Completed:** Nil

**13. Details of MOUs signed by the Department:** Nil

**14. List of Ph. Ds completed in the Department:** Nil

**15. List of Awards/ Achievements of the Faculty/Staff/Students:** Nil

**16. Placement details of Students:**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	MCA	125	74	12LPA	
2.	BCA	56	6	3.2LPA	2.4LPA
3.	B.Sc. Animation	28	3	7LPA	4.73LPA

**17. Major Equipments/ Software purchased:** Nil

**18. Higher Education data of students:** Nil

**19. Academic and Extension activities of student:** Nil

**20. Faculty Served as Invited Speaker/ Chair/ Resource Person**

- Dr Vedpal, delivered a lecture on the topic “Career opportunities in Data Science” at Government Girls College, Ballabgarh on 11.02.2023
- Dr. Shilpa Sethi delivered a lecture on the topic, “Big Data Analytics using SPSS” at Coforge Limited, India on 20.11.2022
- Sh. Arko Dey, delivered a lecture on the topic, “Special Lecture on Short Animation Movie”, Gurugram University, Gurugram on 30.12.2022
- Sh. Arko Dey, delivered a lecture on the topic, “Encyclopedia of Animation Techniques” J. C. Bose University of Science & Technology, YMCA, Department of Communication & Media Technology.
- Sh. Arko Dey, delivered a lecture on the topic, “3D CLO and Design Foundation” at Prerit Design Academy, Delhi on 09.12.2022.

**21. Faculty serving as Editors/Members of Editorial Boards**

- Dr. Shilpa Sethi, serving as Reviewer, IEEE ACCESS



**FACULTY  
OF  
MANAGEMENT STUDIES**



# DEPARTMENT OF MANAGEMENT STUDIES





## DEPARTMENT OF MANAGEMENT STUDIES

1. Name of the Chairperson: Dr. Rachna Agrawal
2. New Programs offered by the Department:

Sr. No.	Name of the Program	Sanctioned Intake	NEP Implemented
1.	BBA*	60	Yes

\*Existing BBA Program

## 3. Details of Teaching Staff:

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Ashutosh Nigam	Ph.D.	Professor	Marketing and IT	23.05.2018
2.	Manisha Goel	Ph.D.	Associate Professor	Foreign Exchange Risk Management and Consumer Behaviour	11.03.2011
3.	Rachna Agrawal	Ph.D.	Associate Professor	Finance and Behavioural Studies	10.09.2008
4.	Rupali Madan	Ph.D.	Assistant Professor	Marketing	19.09.2008
5.	Anushree Chauhan	Ph.D.	Assistant Professor	Human Resource Management	03.08.2009
6.	Neha Goyal	Ph.D.	Assistant Professor	Finance	03.08.2009
7.	Jyotsana Chawla	Ph.D.	Assistant Professor	Finance	07.08.2009
8.	Rajiv Sindwani	Ph.D..	Assistant Professor	Service Quality	07.08.2009
9.	Renu Aggarwal	Ph.D.	Assistant Professor	Finance	21.03.2012
10.	Sapna Taneja	Ph.D.	Assistant Professor	Human Resource	02.04.2021
11.	Parveen Kumar	Ph.D.	Assistant Professor	Finance & Marketing	02.04.2021
12.	Arti Gupta	Ph.D.	Assistant Professor	Human Resource Management	15.04.2021
13.	Gunjan Gumber	Ph.D.	Assistant Professor	Marketing	17.07.2019
14.	Aniruddh Vijay	Ph.D.	Assistant Professor	Insurance and Marketing	22.07.2019
15.	Vikas Kumar	MBA	Assistant Professor	Entrepreneurship	18.07.2019

## 4. 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	8 <sup>th</sup>	01.07.2016
3.	Mona	Peon	12 <sup>th</sup>	01.05.2021



### 5. Journal and Conference Publications:

Sr. No.	Particular	Number
1.	Publications in International Journals	11
2.	Publications in National Journals	01
3.	Papers presented in International Conferences	01
4.	Papers presented in National Conferences	01

### 6. List of Publication in SCI/SCIE/Scopus Journals:

Sr. No.	Title of Paper	Name of Author(s)	Name of Journal	Indexing
1.	Mobile wallet adoption intention amid COVID-19 pandemic outbreak: A novel conceptual framework	Kapoor, A., Sindwani, R., Goel, M., Shankar, A.	Computers & Industrial Engineering, 2022, 172, 108646.	Science Citation Index
2.	Modelling of critical success factors of AMT implementation using TISM and SEM	Taneja, S., Jain, V.	International Journal of Business Performance Management, 2023 24 (1), 22-46.	ESCI
3.	Perception of customers splurging the prospects of Bancassurance: Evidence from Indian Banking firms	Agrawal, R., Gupta, R.	International Journal of Management Practice, 2022, 15(4), 488-510.	Scopus
4.	A four layered R&D efficiency scan in the pharmaceutical industry: Evaluating ownership restructuring	Verma, A., Agrawal, R.	Journal of transnational management, 2023, 1-26	Scopus
5.	Prioritizing factors of retention for information technology professionals: an application of multi-criteria decision-making technique	Gupta, A.	International journal of Indian culture and business management Inderscience, 2023, 30 (3), 434-455.	ESCI
6.	Human resource management practices and employee engagement	Goyal, K., Nigam, A., Goyal, A.	International Journal of Human Capital in Urban Manage, 2023, 8(4), 559-572.	Scopus
7.	Exploring the Relationship Among Dimensions of Human Resource Flexibility on Employee Engagement.	Goyal, K., Nigam, A., Goyal, N.	European Project Management Journal, 2023, 13 (2), 41-50.	Scopus



### 7. Details of FDPs/ Workshops/Conferences/ Expert Lectures Organized:

Sr. No.	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Workshop for non-teaching staff - 'Work Life Balance and Work Ethics'	21.12.2022 (1 Day)	57
2.	Alumni Meet	08.04.2023 (1 Day)	250
3.	30 Hours Value Added Course- 'Integrated Brand Promotion'	Feb-April 2023 (30 Hours)	70
4.	A Seminar on G20- 'Organisational Authority and Responsibility: an ethical challenge for Sustainable Development'	19.04.2023 (1 Day)	110
5.	30 Hours Value Added Course- 'Workplace spirituality'	Feb-April 2023 (30 Hours)	66
6.	30 Hours Value Added Course- 'Conscious Capitalism through Simulation'	Feb-April 2023 (30 Hours)	41
7.	Colloquium Lecture- 'Enhancing the Quality of Students' Projects'	22.12.2022 (1 Day)	10
8.	Club activity- 'HR Verse'	27.04.2023-28.04. 2023 (2 Days)	96
9.	Seminar- 'Opportunities and Support Systems for New Entrepreneurs'	09.08.2022 (1 Day)	62
10.	Interactive Session with Faculty and Students by Prof. Raj Kumar, VC Panjab University	24.11.2022 (1 Day)	70
11.	Club Activity- 'Marketing Magic Hour'	04.05.2023 (1 Day)	100
12.	Expert Lecture on 'Digital marketing and analytics -current & Future trends'	01.12.2022 (1 Day)	50
13.	Club Activity- 'Celebration of National Financial Awareness Day'	26.04. 2023 (1 Day)	145
14.	Expert Lecture on 'Entrepreneur: Journey to Unicorn'	18.04.2023 (1 Day)	55
15.	Expert Lecture on 'Organizational Authority and Responsibility: An Ethical Challenge for Sustainable Development'	19.04.2023 (1 Day)	50
16.	Expert Lecture on 'Socio-Economic and Geopolitical Landscape-Challenges and Opportunities for tomorrow's professional'	05.04.2023 (1 Day)	50
17.	A Seminar on 'Indian Budget 2023'	22. 03. 2023 (1 Day)	52

### 8. FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff:

Sr. No.	Particular	Number
1.	FDPs	05
2.	STCs/STPS	02
3.	Workshops	02
4.	Conferences	03

### 9. Patents Published/ Granted during the year: Nil



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

Sr.No	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	Amul Plant, IMT Faridabad	06.12.2022	Dr. Aniruddh and Dr. Gunjan	80 (40 in two batches)
2.	Coca Cola Batch 1, Greater Noida	27.03.2023	Mr. Vikas and Dr. Shruti	45
3.	Coca Cola Batch 2, Greater Noida	06.04.2023	Dr. Arti Gupta and Dr. Aniruddh	45

**11. Sponsored R & D Projects:**

Sr.No.	Name of the Principal Investigator	Title of the Project	Funding agency	Duration	Year of Allotment	Amount
1.	Dr Sapna Taneja	Understanding and Promoting Gig-workers' Well Being in Indian Education sector	ICSSR	1 year	2022-23	3,50,000

**12. List of Consultancy Projects Completed:** Nil

**13. Details of MOUs signed by the Department:** Nil

**14. List of Ph. Ds completed in the Department:** Nil

**15. List of Awards/ Achievements of the Faculty/Staff/Students:** Nil

**16. Placement details of Students:**

Sr.No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	MBA	132	71	7.85 LPA	3.32 LPA
2.	BBA	61	9	6.5 LPA	3.96 LPA

**Major Recruiters:** Agile Capital Services, Asahi India glass Ltd (Ft), Axis Bank Ltd., Bro Bazaar.Cogent E Service limited, JSW, Planet Spark Gurugram (Ft), Smart Cube, Sony India Ltd., Spare provider.com Faridabad, SRVA Education, Tata Consultancy Services, UPRoar learning, UPRoar learning (Ft), Vintrus ED-Tech (Ft)

**17. Major Equipments/ Softwares purchased:** Nil

**18. Higher Education data of students:** Nil

**19. Academic and Extension activities of students:**

Date	Name of Activity	Number of Participants
Feb-April 2023 (30 Hours)	Conscious Capitalism through Simulation	41
Feb-April 2023 (30 Hours)	Integrated Brand Promotion	70



### 20. Faculty served as Invited Speaker/Chair/Resource Person

Sr. No.	Name of Faculty	Topic	Venue	Date
1.	Dr. Jyotsana Chawla	Work Ethics	Sri Venkateshwara College, University of Delhi	16.06.2023
2.	Dr. Ashutosh Nigam	Session Chair	XXV Annual International Seminar on Business Responsibility and Sustainable Reporting organized by DSPSR, New Delhi	03.06.2023 - 08.06.2023
3.	Dr. Ashutosh Nigam	Search Strategies for Literature Review	UGC Human Resource Development Centre Mizoram University	25.01.2023
4.	Dr. Ashutosh Nigam	Work Life Balance	Department of Management Studies, J.C. Bose University of Science and Technology, YMCA, Faridabad	02.12.2022
5.	Dr. Arti Gupta	Session Chair	International Conference on Sustainability and Digitalization, Department of Management, School of Management & Business Studies, Jamia Hamdard, New Delhi	29-09.2022
6.	Dr. Arti Gupta	Expert Speaker, Work Life Balance for Technocrats	Department of Management Studies, J.C. Bose University of Science and Technology, YMCA, Faridabad	24.05.2022
7.	Dr. Gunjan Gumber	Served as Chairperson of Marketing Management track	International Conference on Opportunities for Business, Technology Innovation & Social Science organised by MVN University, Palwal	12.11.2022

### 21. Faculty Serving as Editors/Members of Editorial Boards:

Sr. No.	Name of Faculty Member	Details
1.	Dr. Arti Gupta	Editorial Board Member for Journal of Advances in Management Sciences & Information Systems.



# DEPARTMENT OF BUSINESS STUDIES





## DEPARTMENT OF BUSINESS STUDIES

1. Name of the Chairperson: Dr. Manisha Goel
2. New Programs offered by the Department:

Sr. No.	Name of the Program	Sanctioned Intake
1.	B. Com (H)	60

## 3. Details of Teaching Staff:

Sr.No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Pallavi Mahajan	Ph.D.	Assistant Professor	Marketing	17.09.2021
2.	Radhika Sharma	M. Com, NET	Assistant Professor	Marketing	08.11.2021
3.	Teena Hassija	Ph.D.	Assistant Professor	HRM	02.01.2023
4.	Rakesh Chander	Ph.D.	Assistant Professor	Finance	02.01.2023
5.	Kaveri Verma	M. Com, NET	Assistant Professor	Accountancy and Marketing	02.01.2023

## 4. Details of Non-Teaching Staff:

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1.	Parveen	PA to Chairperson	B.A.	01.08.2016
2.	Suraj	Peon	8th Class	01.07.2016

5. Departmental Journal and Conference Publications: Nil
6. List of Publication in SCI/SCIE/Scopus Journals: Nil
7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized:

Sr. No.	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	One Week Workshop on Career Planning	01.03.2023-10.03.2023 (10 Days)	30
2.	One Week Workshop on Microsoft Excel	01.03.2023-10.03.2023 (10 Days)	30
3.	Expert Lecture by Prof. A.K Sharan on Fiscal and Monetary policy	19.07.2022 (1 Day)	50
4.	Expert Lecture by Ms Neha Shrivastava on Career Prospective in Banking Sector	23.07.2022 (1 Day)	50
5.	Expert lecture on Hands on training of Tally software	25.07.2022 (1 Day)	50
6.	Expert Lecture by Neha Goyal on Ratio Analysis	02.08.2022 (1 Day)	50
7.	Expert Lecture by Pallavi Mahajan on Elasticity of demand	06.10.2022(1 Day)	50
8.	Expert Lecture by Teena Hassija on Career Options for Commerce Graduates	23.01.2023 (1 Day)	41
9.	Expert Lecture on Cyber Security for Commerce Graduates	07.02.2023 (1 Day)	50
10.	Expert Lecture by Teena Hassija on Johari Window Held	22.03.2023(1 Day)	45



11.	Expert Lecture by Pallavi Mahajan on Communication Skills Held	01.05.2023(1 Day)	50
12.	Expert Lecture by Radhika Sharma on Entrepreneurship Development Program	02.05.2023(1 Day)	50

8. FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff: Nil

9. Patents Published/ Granted during the year: Nil

10. Details of Industrial/Site Visits organized:

Sr.No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	Industrial Visit to Bombay Stock Exchange, New Delhi	19.07.2022	Mr. Vikas Dr. Rashmi	40

11. Sponsored R & D Projects: Nil

12. List of Consultancy Projects Completed: Nil

13. Details of MOUs signed by the Department: Nil

14. List of Ph. Ds completed in the Department: Nil

15. List of Awards/ Achievements of the Faculty/Staff/Students: Nil

16. Placement details of Students: Nil

17. Major Equipments/ Softwares purchased:

Sr.No.	Equipment/software purchased	Price	Date of Purchase
1.	14 Computers	Rs. 5,38,692	21.07.22
2.	5 Printers	Rs. 1,22,815	13.06.22

18. Higher Education data of students: NA

19. Academic and Extension activities of students:

Sr.No.	Topic	No. of students Participated	Date
1.	Presented paper at International Conference on "Technological Transformation & Sustainability: Perspective & Challenges organised by DAV Centenary College, Faridabad	11	31.03.2023
2.	Participated in Inter College Business Quiz Competition (MIND FIESTA) organised by DAV Institute of Management	12	06.04.2023
3.	Presented paper at International Conference on "India's G20 Presidency: Role, Challenges and Solutions in Creating One Earth, One Family and One Future (ICIGP 2023) organised by IMT, Faridabad	08	22.04.2023
4.	participated in a quiz competition at Manav Rachna University	03	24.04.2023

20. Faculty served as Invited Speaker/Chair/Resource Person: Nil

21. Faculty serving as Editors/Members of Editorial Boards: Nil



**FACULTY  
OF  
SCIENCES**



# DEPARTMENT OF PHYSICS







## DEPARTMENT OF PHYSICS

1. Name of the Chairperson: Prof. Anuradha Sharma
2. New Programs offered by the Department:

Sr. No.	Name of the Program	Sanctioned Intake
1.	3/4 – B. Sc. Physics (Hons/Hons. with Research)	60

## 3. 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) and Ph.D. (Computer Sci.)	Professor	Nanotechnology	10.01.2007
3.	Maneesha Garg	Ph. D.	Professor	Radiation Physics	01.08.2007
4.	Anuj Kumar	Ph. D.	Associate Professor	Microelectronics/ Photovoltaic	26.04.2021
5.	Manikant Yadav	Ph. D.	Assistant Professor	Plasma Physics	03.08.2009
6.	Parveen Kumar	Ph. D.	Assistant Professor	Material Science	08.02.2017
7.	Arun Kumar	Ph. D.	Assistant Professor	Material Science	28.09.2018
8.	Ompal Singh	Ph. D.	Assistant Professor	Material Science	01.10.2018
9.	Parmod Kumar	Ph. D.	Assistant Professor	Material Science	04.02.2020
10.	Yogita Batra	Ph. D.	Assistant Professor	Condensed matter Physics	11.02.2020
11.	Rashi Gupta	Ph. D.	Assistant Professor	Materials Science	02.04.2021
12.	Aman Joshi	Ph. D.	Assistant Professor	Material Science	02.04.2021
13.	Kaushal Kumar	Ph. D.	Assistant Professor	Materials Science	31.08.2018
14.	Nitin Gupta	Ph. D.	Guest Faculty	Nuclear and computational Physics	03.02.2023
15.	Shweta	M. Sc. NET	Guest Faculty	Materials Science	11.01.2022
16.	Aarti	M. Sc. NET	Guest Faculty	Materials Science	11.01.2022

## 4. Details of Non-Teaching Staff:

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1.	Savita	Lab Technician	M. Sc. (Physics)	08.09.2014
2.	Suman	Lab Assistant	M. Tech. (Electronics)	06.08.2019
3.	Jawahar Lal	Lab Assistant	Diploma (Mech. Engg.)	08.08.2019
4.	Vinod Kumar	Lab Assistant	M. Sc. (Physics)	09.08.2021





5.	Sunita Gautam	PA to Chairperson	LLB	HKRNL
6.	Jairaj	Peon	12 <sup>th</sup>	HKRNL
7.	Monu	Lab Attendant	10 <sup>th</sup>	HKRNL

### 5. Journal and Conference Publications:

Sr. No.	Particular	Number
1.	Publications in International Journals	46
2.	Papers presented in International Conferences	04

### 6. List of Publication in SCI/SCIE/Scopus Journals:

Sr. No.	Title of Paper	Name of Author(s)	Journal, Year, Volume, Page No.	Indexing
1.	Breast Cancer Prediction: Impact of Stratified Sampling Approach on Classifier Accuracy	A. Sharma, A. Sharma, V. Bhattacharjee	IEEE Xplore, 2023, 1076-78 DOI: <a href="https://ieeexplore.ieee.org/document/10084954">https://ieeexplore.ieee.org/document/10084954</a>	Scopus
2.	A Study of Enhancement in Beta Phase and Dielectric properties of Fe <sub>2</sub> O <sub>3</sub> reinforced in PVDF Nanocomposite thin films	A. Sharma, K. Tewatia, K. Kumar, A. Kumar	Indian Journal of Engineering and Material Science, 2023, 30, 390-395	Scopus
3.	Flexible Graphite-Based Humidity Sensor Using Green Technology, of The Electrochemical Society by IOP Publishing Limited	Sonia	ECS Sensors Plus, 2023, 01, 44401	Peer review
4.	Effect of Annealing Temperature on Excitonic Binding Energy and Other Optical Properties of Mn-Ni Co-Doped Transparent ZnO Thin Films,	Sonia	Transactions of the Indian Ceramic Society, 2023, 82(1), 31-39	SCI
5.	Optical and Structural Properties of 2D ZnO Nanosheets Synthesized Using Simple Chemical Solution Route	Sonia	ECS Journal of Solid-State Science and Technology, 2023, 12(6), 067009	SCI
6.	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	B. Singh, K. Kant, M. Garg	International Journal of Environmental Analytical Chemistry, 2022, <a href="https://doi.org/10.1080/03067319.2022.2115893">https://doi.org/10.1080/03067319.2022.2115893</a>	SCIE
7.	Optical and Morphological Characterization of ZnO nano-sized powder synthesized using Single step Sol-gel technique	T. Sharma, M. Garg	Optical Materials, 2022, 132, 112794	SCIE



8.	Polystyrene/ ZnO Nanocomposite Films with Optimized Optical Properties for UVshielding Applications	T. Sharma, M. Garg	Transactions on Electrical and Electronic Materials, 2023, 24, 217-227	Scopus
9.	Field and temperature assisted DC/AC Conduction measurements of PS/ ZnO Nanocomposite films	T. Sharma, M. Garg	Physica B: Condensed Matter, 2023, 663, 414982	SCIE
10.	Spray deposited Carbon nanotube Embedded ZnO as an electrons transport layer in inverted organic solar cells	A. Kumar, A. Singh, D. Kumar, A. Garg, V. Dutta, S. Kumar Swami, N. Chaturvedi, M. Kumar	Hybrid Advances, 2023, 4, 100088	DOAJ
11.	Structural and Optical Properties of BaTiO <sub>3</sub> Thin Film Deposited on Quartz Substrate by Sol Gel Technique	V. Kaushik, M. Kumar A. Kumar	European Chemistry Bulletin, 2023, 12, 2304-2313	SCOPUS
12.	Multilayer and Thin Transparent Conducting Oxide Fabrication Using RF Magnetron Sputtering on Flexible Substrates	S. K. Swami, B. Barman, A. Kumar, V. Dutta	Organic Material, 2023, 5, 59-65	DOAJ
13.	A novel approach of fabricating low-cost high temperature printed circuit board substrate based on poly (ether- ketone)/fly ash composites	M. Kumar, A. Kumar, R. K. Goyal, S. Sharma	Journal of Materials Science: Materials in Electronics, 2023, 34, 1238	SCI
14.	Assessing the optical properties of 2D MoS <sub>2</sub> nanosheets synthesized using facile two-step sequential process	Shweta, V. Singh, K. Kumar, S. Yarramaneni, A. Kumar	ECS Journal of Solid-State Science and Technology, 2023, 12, 031009	SCIE
15.	Structural, optical, and electrical properties of V <sub>2</sub> O <sub>5</sub> thin films: Nitrogen implantation and the role of different	P. K. Kulriya, T. Kumar B. Priya, P.Jasrotia, A. Kumar, V. Singh, J. Jire L. Hmar, R. Kumar	Frontiers in Materials, 2022, 9, 1049189	SCIE
16.	Synthesis of MoS <sub>2</sub> @TiO <sub>2</sub> Nanosheets by liquid exfoliation method for wastewater treatment	Shweta, P. Singh, V. Singh, K. Kumar, S. Lal, A. Kumar	Indian Journal of Engineering and Materials Sciences, 2023, 30, 383-389	SCIE
17.	Crystal structure, magnetic and dielectric properties of Er-doped BiFeO <sub>3</sub> ceramics	S. Rani, S. Sanghi, A. Agarwal, R. Kumar, O. Singh	Applied Physics A, 2022, 128:576	SCI
18.	Structural, dielectric, and	S. Rani, O. Singh,	Journal of Materials	SCI



	magnetic properties of Dy-substituted BiFeO <sub>3</sub> multiferroic ceramics	S. Kaushik, P. Sharma, A. Agarwal, S. Sanghi	Science: Materials in Electronics, 2023, 34:258	
19.	Crystal structure, dielectric and magnetic properties of (1-x) BaTiO <sub>3</sub> -(x) BaFe <sub>12</sub> O <sub>19</sub> (x = 0.50, 0.60, 0.70) multiferroic composites	A. Kumari, O. Singh, E. Arya, M. Chauhan, V. Vermani, S. Sanghi, A. Agarwal	Applied Physics A, 2023, 129:334	SCI
20.	Magnetically separable NiZn-ferrite/CeO <sub>2</sub> nanorods/CNT ternary composites for photocatalytic removal of organic pollutants	L. Phor, Ankush, Suman, J. Malik, S. Sharma, Sonia, V. Chaudhary, G. M. Rani, A. Kumar, P. Kumar, S. Chahal.	Journal of Molecular Liquids, 2023, 390, 123064	SCI
21.	Z-scheme ZnFe <sub>2</sub> O <sub>4</sub> /CeO <sub>2</sub> nanocomposite with enhanced photocatalytic performance under UV light	Sonia, A. Kumar, P. Kumar.	Applied Physics A, 2023, 129:724	SCI
22.	Structural and optical properties of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> /ZnO nanocomposite in wastewater treatment	Sonia, H. Kumari, Monica, S. Sharma, S. Devi, S. Chahal, Suman, P. Kumar, A. Kumar.	Indian Journal of Pure & Applied Physics, 2023, 61, 723	SCI
23.	Synthesis, characterization and photocatalytic performance of Ce and Er Doped SnO <sub>2</sub> Nanoparticles	H. Kumari, Sonia, S. Sharma, P. Kumar, A. Kumar, R. Parmar.	Indian Journal of Pure & Applied Physics, 2023, 61, 727	SCI
24.	Recent advancement in nanomaterials for the detection and removal of uranium: A review	N. Rani, P. Singh, S. Kumar, P. Kumar, V. Bhankar, N. Kamra, K. Kumar.	Environmental Research, 2023, 234, 116536	SCI
25.	Photocatalytic Degradation of RB dye via Cerium substituted SnO <sub>2</sub> Photocatalysts	H. Kumari, Sonia, S. Chahal, Suman, P. Kumar, A. Kumar, R. Parmar	Materials Science & Engineering B, 2023, 296, 116654	SCI
26.	Assessment of biomass-derived carbon dots as highly sensitive and selective templates for the sensing of hazardous ions	P. Singh, S. Kumar, P. Kumar, R. Kumar, N. Kataria, V. Bhankar, K. Kumar, K. S. Khoo, C. T. Hsieh.	Nanoscale, 2023, 15, 16241	SCI
27.	Morphology mediated photocatalysis and room temperature ferromagnetism in cerium oxide	Ankita, S. Chahal, S. Singh, KKH De Silva, A. Kumar, S. Kumar, L. Kumar, M. Yoshimura, R. Kumar, P. Kumar.	Vacuum, 2023, 215, 112280	SCI
28.	A Review on Photocatalysis Used For Wastewater Treatment: Dye Degradation	S. Kumari, , Suman, R. Ranga, S. Chahal, S. Devi, S. Sharma, S.	Water Air & Soil Pollution, 2023, 234, 344	SCI



		Kumar, P. Kumar, S. Kumar, A. Kumar, R. Parmar.		
29.	Assessing the biomass-based carbon dots and their composites for photocatalytic treatment of wastewater	P. Singh, N. Rani, S. Kumar, P. Kumar, B. Mohan, V. Bhankar, N. Kataria, R. Kumar, K. Kumar	Journal of Cleaner Production, 2013, 413, 137474	SCI
30.	Plastic waste-derived carbon dots: insights of recycling valuable materials towards environmental sustainability	Arpita, P. Kumar, N. Kataria, N. Narwal, R. Kumar, S. Kumar, K. S. Khoo, P. L.	Current Pollution Reports, 2023, 9, 433	SCI
31.	Magnetic Fe <sub>2</sub> O <sub>3</sub> /CNT nanocomposites: Characterization and Photocatalytic Application towards the Degradation of Rose Bengal dye	S. Devi, Suman, S. Chahal, S. Singh, Ankita, P. Kumar, S. Kumar, A. Kumar, V. Kumar	Ceramics International, 2023, 49, 20071	SCI
32.	Recent Advancement in Nanotechnology for the Treatment of Pharmaceutical Wastewater: Sources, Toxicity, and Remediation Technology	S. Kumar, S. Yadav, N. Kataria, A. K. Chauhan S. Joshi, R. Gupta, P. Kumar, J. W. R. Chong, K. S. Khoo, P. L.	Current Pollution Reports, 2023, 9, 110	SCI
33.	Plant-Mediated Synthesis of Nanoparticles and Their Applications: A Review	N. Rani, P. Singh, S. Kumar, P. Kumar, V. Bhankar, K. Kumar	Materials Research Bulletin, 2023, 163, 112233	SCI
34.	Enhanced photocatalytic degradation of organic dye by CeO <sub>2</sub> /CNT/GO hybrid nanocomposites under UV light for wastewater treatment	S. Chahal, L. Phor, A. Kumar, S. Kumar, S. Kumar, R. Kumar, P. Kumar	Environmental Science and Pollution Research, 2023, 30, 124964	SCI
35.	Spinel ferrites/metal oxide nanocomposites for waste water treatment	Sonia, H. Kumari, Suman, S. Chahal, S. Devi, S. Kumar, S. Kumar, P. Kumar.	Applied Physics A, 2023, 129, 91	SCI
36.	Nanomaterials photocatalytic activities for waste-water treatment: a review	P. Singh, B. Mohan, V. Madaan, R. Ranga, P. Kumari, S. Kumar, V. Bhankar, P. Kumar, K. Kumar.	Environmental Science and Pollution Research 2022, 29, 69294	SCI
37.	An efficient and unique method for the growth of spindle shaped Mg-doped cerium oxide composed of nanorods for	S. Chahal, L. Phor, S. Singh, A. Singh, J. Malik, P. Goel, A. Kumar, Ankita, P. Kumar.	Ceramics International, 2022, 48, 2896	SCI



	photodegradation of p-Nitrophenol			
38.	Sequestration of Heavy Metals from contaminated water using Fe <sub>3</sub> O <sub>4</sub> @carbon nanocomposites	N. Kataria, V. K. Garg, P. Kumar.	Journal of Hazardous Materials Advances, 2022, 6, 100066	SCI
39.	Finite element analysis of a 3D triboelectric nanogenerator for biophysical health monitoring applications	S. Gupta, Y. Batra	Jornal of Electrostatics, 2023, 126, 103862	SCIE
40.	Exploring the Role of Graphene Oxide as a Co-Catalyst in the CZTS Photocathodes for Improved Photoelectrochemical Properties	M. Vishwakarma, Y. Batra, J. Hadermann, A. Singh, A. Ghosh, B. R. Mehta	ACS Applied Energy Materials, 2022, 5, 7538–7549	SCIE
41.	Fabrication of Ultrahigh supercapacitor device based on ZnCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> with porous nanospheres decorated on flower-shaped structure	S. Saini, P. Chand, A. Joshi	Journal of Energy Storage, 2023, 71, 108209	SCI
42.	Improved electrochemical performance of rare earth doped Bi <sub>1-x</sub> M <sub>x</sub> PO <sub>4</sub> (x = 0, 0.15; M = La, Ce, Sm) Nanostructures as electrode material for energy storage applications	A. Joshi, P. Chand, S. Saini	Journal of Alloys and Compounds, 2023, 935(2), 168023	SCI
43.	Improved electrochemical performance for alkali and alkaline metal doped nanostructures as electrode material for energy storage applications	A. Joshi, P. Chand, S. Saini	Inorganic Chemistry Communications, 2023, 147, 110285	SCI
44.	Electrochemical Performance of MnO <sub>2</sub> Composite with Activated Carbon for Supercapacitor Applications: electrochemical performance of mno <sub>2</sub> composite	S. Saini, P. Chand, A. Joshi	Indian Journal of Engineering and Materials Sciences (IJEMS), 2023, 30, 424-430	SCI
45.	Electrochemical Behaviour of Temperature- based Bismuth Phosphate Nanostructures for Energy Storage Application	A. Joshi, Sunaina, P. Chand	Chemical Physics Letters, 2022, 804, 139898	SCI



46.	Binder-Free MnO <sub>2</sub> Electrodes for Supercapacitor Applications	Sunaina, A. Joshi, P. Chand	ECS Transactions, 2022, 107, 11847	SCI
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### 7. Details of FDPs/ Workshops/Conferences/ Expert Lectures:

S. No.	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	One day workshop on Next generation thin film solar cells by Dr. Trilok Singh, IIT Kharagpur	07.07.2022 (01 Day)	96
2.	Induced magnetism in 2D Heterostructures: DFT approach by Dr. Manish Kumar, Jawahar Lal University (JNU), Delhi	21.07.2022 (01 Day)	84
3.	Structural and magnetic properties of double perovskites by Dr. Rajendra Singh Dhaka (IIT Delhi)	04.08.2022 (01 Day)	92
4.	One day workshop on Awareness Program of Vidyanthi Vigyan Manthan (VVM) conducted by Dr. Sonia Bansal, J. C. Bose UST, Faridabad	05.08.2022 (01 Day)	200
5.	One day Seminar Science Conclave-2022 conducted by Dr. Sonia Bansal, J. C. Bose UST, Faridabad	28.11.2023 (01 Day)	260
6.	Multiferroic materials by Dr. Ompal Singh, J. C. Bose UST, Faridabad	02.03.2023 (01 Day)	82
7.	The saga of Raman's quest for Nobel prize in physics by Dr. Arun Kumar Grover	21.03.2023 (01 Day)	88
8.	Essential aspects of writing research papers for publishing in journals by Prof. S. K. Tomar, J. C. Bose UST, Faridabad	18.04.2023 (01 Day)	94
9.	Materials Science: Opportunities in industry by Dr. Nisha Singhania, IISc Bangalore	21.04.2023 (01 Day)	91
10.	Workshop on IPR: Unlocking the potential of IPR by Dr. Suman Madaan, JIMS, Delhi	24.04.2023 (01 Day)	106
11.	5 Day workshop on fabrication and characterization techniques of electronic materials and devices (FCTEMD 2023) by Dr. R. K. Garg, TAS, New Delhi	26.04.2023 – 30.04.2023 (05 Day)	100

### 8. FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff:

Sr. No.	Particular	Number
1.	FDPs	03
2.	Conferences	04



### 9. Patents Published/ Granted during the Year:

Sr. No.	Name of Faculty/Staff	Patent Title	Date of Award	Patent granting body	Status (Published/Granted)
1.	Dr. Parmod Kumar	Cerium oxide microspheres composition and method for synthesis thereof	17.03.2023	Indian Patent	Published
2.	Dr. Aman Joshi	AI-Based Pulse Oximeter	18.04.2023	Indian Patent	Granted

### 10. Details of Industrial/Site Visits organized:

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	INST Mohali and Punjab University Chandigarh	13.04.2023-14.04.2023	Dr. Sonia Bansal, Dr. Manikant Yadav, Dr. Ompal Singh, Dr. Aman Joshi	50

### 11. Sponsored R & D Projects:

Sr. No.	Name of the Principal Investigator	Title of the Project	Funding agency	Duration	Year of Allotment	Amount (INR)
1.	Dr. Sonia Bansal Co-PI: Dr. Aman Joshi	Development of Biomass Derived Activated Carbon for Electrode materials in Energy Storage application	HSCSIT, Haryana	2 Years	2022	3280000/-
2.	Dr. Anuj Kumar Co-PI: Dr. Ompal Singh	Design and fabrication of PZT based energy harvesting generator by low-cost chemical technique	HSCSIT, Haryana	3 Years	2023	2795100/-
3.	Dr. Parmod Kumar	Waste Water Treatment and Defect-induced Magnetism in Wide Band Gap Semiconductor Nanostructures	UGC, New Delhi	2 Year	2022	1000000/-
4.	Dr. Yogita Batra	Energy autonomous compact, flexible energy systems	HSCSIT, Haryana	3 years	2022	4960000/-

12. List of Consultancy Projects Completed: Nil

13. List of Ph.D. completed in the Department: 01





Sr. No.	Name of the Candidate	Title of the thesis	Date of completion	Name of the supervisor(s)
1.	Mr. Shital Prasad	Study of Effects of Doping on Nano-Structural ZnO Thin Film	21.06.2023	Dr. Sonia

#### 14. List of Awards/ Achievements of the Faculty/Staff/Students:

Sr. No.	Name of Faculty/Staff/Student	Name of awarding Agency(s)	Name of Award/Prize	Date of Receiving Award
1.	Dr. M. K. Yadav	GECL-2022 By Govt. of Uttarakhand	Best Senior Scientist Award	18.11.2022

#### 15. 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.	63	01	4.5 lpa	4.5 lpa
2.	M. Sc. Physics	64	03	5 lpa	3 lpa

#### 16. Major Recruiters: Space India, Leaning Routes private Ltd.

#### 17. Major Equipment's/ Software's purchased:

Sr. No.	Equipment/software purchased	Price (INR)	Date of Purchase
1.	Microlit Variable Volume Single Channel Micropipette	20422/-	06.01.2023
2.	High-speed Centrifuge	1,50,000/-	30.01.2023
3.	Celfrost Single door 300-350 Liters Laboratory Refrigerator	42300/-	17.03.2023
4.	Labwan 5.15 Ultrasonic Cleaners	41521/-	17.03.2023
5.	Orbital Shaker	350000/-	13.03.2023

#### 18. Higher Education data of Students:

Sr. No.	Name of Program	No. of eligible students	No. of students enrolled for MSc/ Ph.D.	No. of students enrolled for MBA	No. of students enrolled for B.Ed.
1.	B.Sc. Physics (Hons.) (2020-23)	63	21	03	02
2.	M.Sc. Physics (2021-23)	64	00	02	10





## 20. Academic and Extension activities of Students:

- Rudraa Aggarwal, (B. Sc. Physics (Hons.) 2020-23 batch) Addressed Youth Parliament 2022 organized by Ministry of Youth and affairs, Government of India on 14 November 2022.
- B.Sc. Physics (Hons.) 2020-23 batch students plied literacy drive in their neighbourhoods.
- Tarun Rawat (Roll No. 21001752058) and Vikas Malik (Roll No. 21001752064) of M. Sc. Physics (2021-23) helped students during admission counselling for session 2022-23.
- Vivek (Roll No. 21001752065) and Gaurav Jakhar (Roll No. 21001752014) of M. Sc. Physics (2021-23) assisted various boy students for accommodation in vicinity of university campus.
- Komal (Roll No. 21001752021) and Mansi (Roll No. 21001752027) of M. Sc. Physics (2021-23) motivated students to take part in co-curricular and distinguished activities of university clubs/societies.
- Shiv Pratap (Roll No. 21001752053), Vaishali Munjal (Roll No. 21001752061), Vanshika Bhardwaj (Roll No. 21001752062), Sarika (Roll No. 21001752050) and Dipti (Roll No. 21001752009) of M. Sc. Physics (2021-23) helped their junior students in their study related problems.
- Laxmi Parwati (Roll No. 21001752023) of M. Sc. Physics performed her duties well efficiently as President, Pragyanam Society, an educational society of the Department of Physics.
- Akshay Thakral (Roll No. 21001752009) and Sunil Sharma (Roll No. 21001752056) motivated students for plantation drive to curb pollution.
- Rakesh Kumar (Roll No. 22001752034) and Nikku Mahala (Roll No. 22001752029) from M. Sc. Physics conducted an awareness drive in the local poor and illiterate community for their fundamental rights.
- Bhanushreya Sharma (Roll No. 22001752005) and Upasana Singh (Roll No. 22001752047) from M. Sc. Physics guided female students from poor backgrounds for the betterment of their living standards.

## 21. Faculty served as Invited Speaker/Chair/Resource Person:

### Prof. Sonia Bansal

- Invited Speaker on “Science and Its opportunity” at Govt. Sr. Sc. School Aherwan, Palwal on 5<sup>th</sup> Feb 2023.
- Invited Speaker on EDUSAT network through VYAS Channel at Consortium for Educational Communication (CEC) under Inter–University Centre of University Grants Commission (UGC), New Delhi.

### Prof. Maneesha Garg

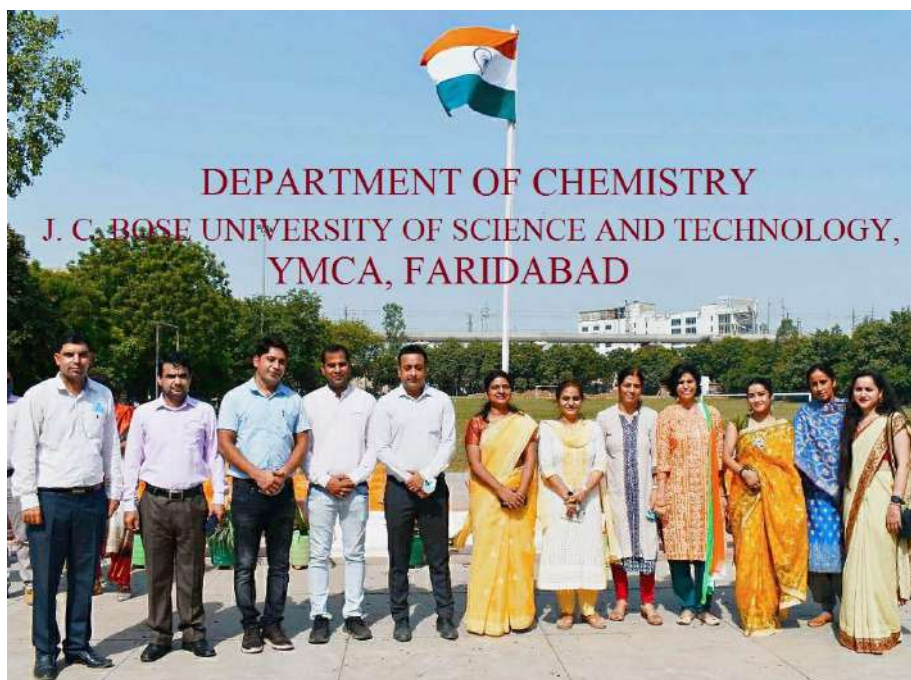
- “Life history of Dr. APJ Abdul Kalam” on the occasion of National Science Day at DAV centenary college Faridabad, 1<sup>st</sup> March 2023.
- “Role of women in sciences: Opportunities and Challenges” Lingaya’s Vidyapeeth, 10<sup>th</sup> February 2023.
- “Wings of Fire” Department of Physics, JCBUST, YMCA, Faridabad, 29<sup>th</sup> November 2022.

## 22. Faculty serving as Editors/Members of Editorial Boards

- Dr. Kaushal Kumar – Frontiers in Materials



# DEPARTMENT OF CHEMISTRY





## DEPARTMENT OF CHEMISTRY

1. Name of the Chairperson: Prof. Neetu Gupta (I/C. Dr. Ravi Kumar)
2. New Programs offered by the Department:

Sr. No.	Name of the Program	Sanctioned Intake
1.	3/4 – B. Sc. Chemistry (Hons/Hons with Research)	60
2.	Minor Degree in Chemistry (Polymer Science & Technology)	10

## 3. 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	06.08.2009 02-04.2021
3.	Sita Ram	Ph. D.	Assistant Professor	Medicinal and Synthetic Organic Chemistry	13.02.2017
4.	Vinod Kumar	Ph. D.	Assistant Professor	Optical Spectroscopy	15.02.2020
5.	Anurag Prakash Sunda	Ph. D.	Assistant Professor	Physical and Theoretical Chemistry	03.02.2020
6.	Pooja	M. Sc. NET	Assistant Professor	Computational Chemistry and Bioinformatics	06.02.2020
7.	Sunil Kumar	Ph. D.	Assistant Professor	Heterocyclic Synthesis; Medicinal Chemistry	02.04.2021
8.	Sandeep Kumar	Ph. D.	Assistant Professor	Nanochemistry and colloidal chemistry	02.04.2021
9.	Amit Rajput	Ph. D.	Assistant Professor	Metal Coordinated Ligand Radical Species	06.04.2021
10.	Bhawna Uttam	Ph. D.	Assistant Professor	Supramolecular Chemistry and Chemical Biology	26.04.2021
11.	Shilpa Behl	Ph. D.	Assistant Professor (C)	Organometallic Chemistry	26.07.2018
12.	Vishwas Khurana	Ph. D.	Assistant Professor (C)	Synthetic Studies in Organic Chemistry	26.07.2018
13.	Nobel Tomar	Ph. D.	Assistant Professor (C)	Mixed metal oxides	26.08.2018
14.	Atul Sharma	M. Sc. NET	Guest Faculty	Physical Chemistry	30.01.2023
15.	Rajesh Chatra	Ph. D.	Guest Faculty	Organic Chemistry	16.01.2023



#### 4. 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.	Deepak	Lab Assistant	Diploma in Mechanical	07.08.2019
3.	Naveen Kumar Yadav	Lab Assistant	B.Tech. (Mech.Engg.)	28.08.2019
4.	Krishan Kumar	Lab Assistant	B.Sc. (non-Med)	05.12.2019
5.	Suman	PA to Chairman (C)	M.A. (5 Years Computer Experience)	HKRNL
6.	Sarshwati	Lab Attendant (C)	12 <sup>th</sup>	HKRNL
7.	Bahram Dutt	Peon (C)	12 <sup>th</sup> , ITI Diploma	HKRNL

#### 5. Journals and Conferences Publications:

Sr. No.	Particular	Number
1.	Publications in International Journals	45
2.	Publications in National Journals	01
3.	Papers presented in International Conferences	04
4.	Papers presented in National Conferences	01

#### 6. List of Publication in SCI/SCIE/Scopus Journals:

Sr. No.	Title of Paper	Name of Author(s)	Journal, Year, Volume, Page No.	Indexing
1.	Hypervalent Iodine (V) Catalyzed Oxidations	S. Soni, Rimi; V. Kumar, K. Kikushima, T. Dohi, V. V. Zhdankin, R. Kumar	Arkivoc, 2022, 7, 27-56	Scopus
2.	Recyclable hypervalent iodine reagents in modern organic synthesis	Rimi, S. Soni, B. Uttam, H. China, T. Dohi, R. Kumar	Synthesis, 2023, 54, 2731-2748	Scopus
3.	Thermodynamic and Electrochemical investigation of Inhibition Efficiency of Green Corrosion Inhibitor and its comparison with Synthetic Dyes on MS in Acidic Medium	P. Vashishth, H. Bairagi, R. Narang, S. K. Shukla, B. Mangla	Journal of Molecular Liquids, 2022, 365, 120042	Scopus
4.	Applicability of Drugs as Sustainable Corrosion Inhibitors	R. Narang, P. Vashishth, H. Bairagi, R. Sehwat, S. K. Shukla, and B. Mangla	Advanced Materials Letter, 2023, 23041732	SCI
5.	Experimental and Computational Studies of a Novel Metal Oxide Nanoparticle/Conducting Polymer Nanocomposite (TiO <sub>2</sub> /PVP) as a Corrosion Inhibitor on Low-Carbon Steel in Diprotic Acidic Medium	R. Narang, P. Vashishth, H. Bairagi, S. K. Shukla, and B. Mangla	Industrial & Engineering Chemistry Research, 2023, 62, 10982-11000	Scopus



6.	Advanced Polymeric Materials for Aerospace Applications	A. Rajput, Upma, S.K. Shukla, N. Thakur, A. Debnath, B. Mangla	Aerospace Polymeric materials, 2022 ISBN-9781119905264	Scopus
7.	Efficacy of biomass-derived nanocomposites as promising materials as corrosion inhibitors	P. Vashishth, H. Bairagi, R. Narang, H. Kumar, B. Mangla	Antiviral and Antimicrobial coatings based on Functionalized Nanomaterials, 2023, 285-303	Scopus
8.	A Review on Molecular Iodine Catalyzed/Mediated Multicomponent Reactions	Monika, Chander, S. Ram, PK Sharma	Asian Journal of Organic Chemistry, 2023, 12, e202200616	SCI
9.	Novel benzenesulfonamide bearing 1,2,4-triazoles as potent anti-microbial and anti-oxidant agents	PKSSR Chander, Monika, A. Kumar, D. Sharma, P. K Sharma, S. Ram	Medicinal Chemistry and Research, 2023, 32, 542-555	SCI
10.	Recent advances in triazole-benzenesulfonamide hybrids and their biological activities	Chander, Monika, PK Sharma, S. Ram	Medicinal Chemistry and Research, 2023, 32, 777-801	SCI
11.	Ionic Liquid Induced p-Nitrophenol Prototropism	P. Kasana, S. Soni, M. Mukherjee, R. Kumar, V. Kumar	Journal of Ionic Liquids, 2023, 3, 100051	SCI
12.	Ab-initio DFT calculations and experimental investigations into optoelectronic and structural properties of Ca <sub>9</sub> Al(PO <sub>4</sub> ) <sub>7</sub> :Sm <sup>3+</sup> orange phosphor	K. Jakhar, M. Dalal, V. Kumar, M. Mukherjee, A. Agarwal, D. Sharma, M. K. Sharma, H. Om	Journal of Molecular Structure, 2023, 1281, 135102	SCI
13.	Crystalline Domains Nested on 2D Nanosheets as Heterogeneous Nanomachineries for the Sustainable Production of Bioactive Compounds"	A. Agarwal, S. Jeevanandham, C. Kar, M. P. Rai, V. Kumar, H. Bohidar, S. Biswas, M. Mukherjee	ACS Sustainable Chemistry & Engineering, 2022, 10, 9732-9748	SCI
14.	Atomistic Simulations of Hydrated Sulfonated Polybenzophenone Block Copolymer Membranes	A. P. Sunda, S. Singh, S. Yadav, R. K Singh	ChemPhysChem, 2023, 24, e202300104	Scopus
15.	Formulation optimization of pH-sensitive liposomes-based drug delivery of Carboplatin and anti-proliferative evaluation against A549 (human lung carcinoma) cell line	P. Aneja, P. Negi, S. Aneja, S. R. Garad, S. Kumar	Main Group Chemistry, 2023, 22, 403-42	SCI
16.	High-performance structural linear low-density polyethylene/Saccharummunja composite: a design of experiments approach	G. Jagdeva, S. Lal, V. Kumar, S. Arora, P. Kumar, S. Panchal, S. Kumar	Iranian Polymer Journal, 2023, 32, 609-619	SCI



17.	Decoration of 1,3 oxazole modified g- C3N4 by Bio-synthesized Ag nanoparticle for the photodegradation of pharmaceutical effluent: Clotrimazole	S. Devi, S. Kumar, J. Devi, A. Sharma, A. Kumar	Materials Today: Proceedings, In press	SCI
18.	Biogenic synthesis of Allium cepa derived magnetic carbon dots for enhanced photocatalytic degradation of methylene blue and rhodamine B dyes	P. Singh, S. Kumar, K. Kumar	Biomass Conversion and Biorefinery, DOI: 10.1007/s13399-023-05047-2	SCI
20.	Assessing the biomass-based carbon dots and their composites for photocatalytic treatment of wastewater	P. Singh, N. Rani, S. Kumar*, P. Kumar, B. Mohan, Pallavi, V. Bhankar, N. Kataria, R. Kumar, K. Kumar	Journal of Cleaner Production, 2023, 413, 10, 137474	SCI
21.	Plant-mediated synthesis of nanoparticles and their applications: A review	N. Rani, P. Singh, S. Kumar, P. Kumar, V. Bhankar, K. Kumar	Materials Research Bulletin, 2023,163, 112233	SCI
22.	Assessing biomass-derived carbon dots as highly sensitive and selective template for sensing of hazardous ions	P. Singh, Arpita., S. Kumar, P. Kumar, R. Kumar, N. Kataria, V. Bhankar, K. Kumar, C-Te Hsieh	Nanoscale, 2023, 15, 16241-16267	SCI
23.	Plastic Waste-Derived Carbon Dots: Insights of Recycling Valuable Materials Towards Environmental Sustainability	Arpita, P. Kumar, N. Kataria, N. Narwal, S. Kumar, R. Kumar, M. S. Khoo & P. L. Show	Current Pollution Reports, 2023, 9, 433–453	SCI
24.	Recent advancement in nanomaterials for the detection and removal of uranium: A review	N. Rani, P. Singh, S. Kumar, P. Kumar, V. Bhankar, N. Kamra, K. Kumar	Environmental Research, 2023, 234, 116536	SCI
25.	Recent Advancement in Nanotechnology for the Treatment of Pharmaceutical Wastewater: Sources, Toxicity, and Remediation Technology	S. Kumar, S. Yadav, N. Kataria, A. K. Chauhan, S. Joshi, R. Gupta, P. Kumar, J. W. R. Chong, K. S. Khoo, P. L. Show	Current Pollution Reports, 9, 2023,110–142	SCI
26.	Spinel ferrites/metal oxide nanocomposites for waste water treatment	Sonia, H. Kumari, Suman, S. Chahal, S. Devi, S. Kumar, S. Kumar, P. Kumar & A. Kumar	Applied Physics A, 2023, 129	SCI
27.	Enhanced photocatalytic degradation of organic dye by CeO2/CNT/GO hybrid nanocomposites under UV light for wastewater treatment	S. Chahal, L. Phor, A. Kumar, S. Kumar, S. Kumar, R. Kumar, P. Kumar	Environmental Science and Pollution Research, 2023, 30, 124964-1	SCI





28.	Magnetic Fe <sub>2</sub> O <sub>3</sub> /CNT nanocomposites: Characterization and photocatalytic application towards the degradation of Rose Bengal dye.	S. Devi, S. Chahal, S. Singh, P. Kumar, S. Kumar, A. Kumar, V. Kumar	Ceramics International, 2023, 49, Pages 20071-20079	SCI
29.	A Review on Photocatalysis Used for Wastewater Treatment: Dye Degradation	H. Kumari, Sonia, Suman, R. Ranga, S. Chahal, S. Devi, S. Sharma, S. Kumar, P. Kumar, S. Kumar, A. Kumar, R. Parmar	Water, Air, & Soil Pollution, 2023, 234, 349	SCI
30.	Carbon-based nanomaterials: systematic enumeration and proficient template for detection and remediation of hazardous pollutants	N. Kataria, V. K. Garg, P. Kumar, C. Han, I. Anastopoulos, S. Kumar	Environmental Science and Pollution Research, 2023, 30, 124829	SCI
31.	Europium-doped cerium oxide nanoparticles: investigating oxygen vacancies and their role in enhanced photocatalytic and magnetic properties	A. Ankita, S. Chahal, S. Singh, S. Kumar, P. Kumar	Environmental Science and Pollution Research, 2024, 31, 1276–1287	SCI
32.	Morphology mediated photocatalysis and room temperature ferromagnetism in cerium oxide	S. Chahal, S. Singh, K. Kanishka H De Silva, A. Kumar, S. Kumar, L. Kumar, M. Yoshimura, R. Kumar, P. Kumar	Vacuum, 2023, 215, 112280	SCI
33.	Utilization of diamagnetic Zn (II) ion to boost the anisotropic nature of Ln (III) ion in heterodinuclear Zn (II)-Ln (III) SMMs.	S. Roy, P. Shukla, R. Kumar, S. C. Sahoo, T. K. Pal, A. Rajput, J. Klak, M. Hada, K. R. Vignesh, S. Das	Applied organometallic chemistry, 2022, 36, e6914	SCI
34.	Experimental and theoretical magnetostructural studies on discrete heterometallic cyanide-bridged dinuclear Fe <sup>III</sup> Mn <sup>II</sup> and tetranuclear Fe <sup>III</sup> <sub>2</sub> Cu <sup>II</sup> <sub>2</sub> complexes bearing tripodal pyrazolyl borate and tetradentate phenolate-based ligands	A. Kumar, A. Rajput, P. Kaur, I. Verma, R. D. Erande, S. Javed, J. Klak, F. Shefa, Alrebei, Mota, E. A. J. Colacio and H. Arora	Dalton Transaction Journal, 2023, 52, 7225-7238	SCI
35.	Magnetic properties and pH-controlled reversible interconversion of $\mu$ -oxido into $\mu$ -hydroxido in oxo-carboxylato bridged iron(III) dimers: Theoretical and experimental insights.	Richa, A. Kumar, I. Verma, P. Garg, R. D. Erande, S. Javed, A. Rajput, C. J. G. Garcia, A. J. Mota, H. Arora	Journal of Molecular Structure, 2023, 1285, 135426	SCI



36.	Design, Synthesis, and Applications of a Vanadium Complex: An Effective Catalyst for the Direct Conversion of Alcohols and Aldehydes to Esters	G. Mali, I. Verma, H. Arora, A. Rajput, A. Kumar, and R.D. Erande	J. Org. Chemistry, 2023, 88, 5696-5703	SCI
36.	Highly Efficient Cauliflower-like Palladium-Loaded Porous MOF as a Robust Material for the Degradation of Organic Dyes	Rimi, P. Kumar, B.Uttam, R.Kumar	ACS Omega, 2023, 8, 38895238904	Scopus
37.	Dog-bone shaped gold nanoparticle-mediated chemo-photothermal therapy impairs the powerhouse to trigger apoptosis in cancer cells	J. Ingle, B. Uttam, R. Panigrahi, S. Khatua, S. Basu	Journal of Material Chemistry B, 2023, 11, 9732-9741	Scopus
38.	Synthetic strategies for the functionalization of upper or lower rim of supramolecular calix [4] arene platform	C. P. Rao, B. Uttam, S. Polepalli	ARKIVOC, 2022, 6, 254-271	Scopus
39.	Selective Sensing and Removal of Mercury Ions by Encapsulating Dansyl Appended Calix [4] Conjugate in a Zeolitic Imidazolate Framework as an Organic-Inorganic Hybrid Nanomaterial	B. Uttam, S. Polepalli, S. Sinha, A. Majumder, C. P. Rao	ACS Applied Nano-Materials, 2022, 5, 11371-11380	Scopus
40.	Investigation of thermal and dielectric behaviour of PVA-ZnO nanocomposites films	P. Yadav, V. Lahariya, P. P. Pandey, S. Behl and R. Raghav	J. Mater Sci: Mater Electron, 2023, 34, 787	Scopus
41.	Synthetic Utility of the Vilsmeier-Haack Reagent in Organic Synthesis	N. Neena, V. Chaudhri, F. V. Singh, H. China and T. Dohi, R. Kumar	Synlett, 2023, 34, 777-792	SCI
42.	Adsorption of pesticides using graphene oxide through computational and experimental approach	K. Kumari, M. B. Singh, N. Tomar, A. Kumar, V. Kumar, K. L. Dabodhia, P. Singh	J. Molecular Structure, 2023, 136043	SCI

#### 7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized:

Sr. No.	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Expert Invited Talk Prof. Meenakshi Arora College of Community Health Sciences, Department of Biological Sciences, The University of Alabama, USA on "New Drug Development using 'Polyesters for oral drug delivery'"	23.11.2022	150





### 8. FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff:

Sr. No.	Particular	Number
1.	FDPs	-
2.	STCs/STPS	-
3.	Workshops	02
4.	Conferences	05

### 9. Patents Published/ Granted during the year: Nil

### 10. Details of Industrial/Site Visits organized:

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	A One-Day Innovation and Entrepreneurship Outreach Program at National Council for Cement and Building Materials (Under the Administrative Control of Ministry of Commerce & Industry, Govt. of India)	07.02.2023	Dr. Anurag Prakash Sunda	57

### 11. Sponsored R & D Projects:

Sr. No.	Name of the Principal Investigator	Title of the Project	Funding agency	Duration	Year of Allotment	Amount (INR)
1.	Dr. Bindu Mangla	Bioengineered Nanopatterned renewable carriers as scaffold for enzyme immobilization for enhanced stability and catalytic activities	DST-HARYANA Research grant	3 Years	2023	36,75,000/-
2.	Dr. Anurag Prakash Sunda	Microphase Separation Morphology and Ion-Dynamics in Anion-Exchange-Membrane Fuel Cell Applications	SERB - Core Research Grant	3 years	2023	32,14,464/-
3.	Dr. Anurag Prakash Sunda	Polymeric Form of Ionic Liquids	UGC BSR Grant	2 years	2022	10,00,000/-
4.	Dr. Amit Rajput	Development of Non-innocent (Redox-active) o-aminophenolate metal complexes as potent antiviral agents for SARS-CoV-2	SERB - SURE Research Grant	3 years	2022	30,00,000/-
5.	Dr. Bhawna and	Development of	SERB	3 years	2023	30,00,000/-



	Dr. Amit Rajput	Spiropyran based metal complexes as potent drug candidate for effective photodynamic and photothermal cancer therapy	Power Research Grant			
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**12. List of Consultancy Projects Completed:** Nil

**13. List of Ph.D. completed in the Department:** Nil

**14. List of Awards/ Achievements of the Faculty/Staff/Students:** Nil

**15. Placement details of Students:**

Sr. No	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	M. Sc.	60	03	8.25 LPA	5.5 LPA

**16. Major Recruiters:** Akash Coaching Institute, Defence Research and Development Establishment (DRDO)

**17. Major Equipment's/ Software's purchased:** Nil

**18. Higher Education data of students:**

Sr. No.	Name of Program	No. of eligible students	No. of students enrolled for MSc/ Ph.D.	No. of students enrolled for MBA	No. of students enrolled for B.Ed.
1.	B. Sc. (2020-23)	61	19	2	2
2.	M. Sc. (2021-23)	64	1	0	10

**19. Academic and Extension activities of students:**

Educational Visit of M. Sc. III Semester Chemistry students to SAIF-CIL, Panjab University, Chandigarh, and CSIR-CSIO, Chandigarh. A total of 40 students participated on 17<sup>th</sup> October 2023 to fulfil the academic requirement of the practical syllabus of Analytical Chemistry and Instrumentation.

**20. Faculty served as Invited Speaker/Chair/Resource Person:**

**Dr. Amit Kumar:**

Delivered invited lecture 27<sup>th</sup> ISCB International Conference (ISCBC-2022) at Birla Institute of Technology, Mesra, Ranchi, India on 16<sup>th</sup> -19<sup>th</sup> November, 2022.

**21. Faculty serving as Editors/Members of Editorial Boards:**

**Dr. Ravi Kumar:**

- Guest Editor for "Frontiers in Chemistry"
- Review Editor for "Frontiers in Environmental Chemistry"



# DEPARTMENT OF MATHEMATICS





## DEPARTMENT OF MATHEMATICS

1. Name of the Chairperson: Prof. Neetu Gupta
2. New Programs offered by the Department:

Sr. No.	Name of the Program	Sanctioned Intake
1.	B.Sc. Mathematics and Computing	10
2.	3/4 - BSc Mathematics/Mathematics (Hons. /Hons. with Research)	60
3.	Minor Degree in Statistics	10

## 3. Details of Teaching Staff:

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Neetu Gupta	Ph. D.	Professor	Operations Research	02.08.2004
2.	Reena Garg	Ph. D.	Assistant Professor	Reliability Theory	14.01.2008
3.	Nisha Singh	M. Sc. NET	Assistant Professor	Applied Mathematics	28.02.2014
4.	Arpita Chatterjee	Ph. D.	Assistant Professor	Quantum Optics and Quantum Information Processing	16.08.2018
5.	Ramu Dubey	Ph. D.	Assistant Professor	Non-linear Dynamics and Operations Research	28.08.2018
6.	Abhishek	M. Sc. NET	Assistant Professor	Pure Mathematics	03.02.2020
7.	Suraj Goyal	Ph. D.	Assistant Professor	Continuum Mechanics Wave Propagation	07.02.2020
8.	Pooja Gupta	Ph. D.	Assistant Professor	Approximation Theory	16.08.2018
9.	Manu Rohilla	Ph. D.	Assistant Professor	Fixed Point Theory	05.04.2021
10.	Parveen Kumar	Ph. D.	Assistant Professor	Continuum Mechanics, Applied Mathematics, Mathematical modelling	22.04.2021
11.	Kuldeep Singh	M. Sc. NET	Assistant Professor	Operations Research	22.07.2019
12.	Shashi Sharma	Ph. D.	Assistant Professor	Mathematical Modeling, Biomathematics	24.09.2021
13.	Meenu Chawla	Ph. D.	Assistant Professor	Mathematical Modeling	13.10.2021
14.	Hansraj	M. Sc. NET	Guest Faculty	Applied Mathematics	01.07.2022
15.	Pooja	M. Sc	Guest Faculty	Applied Mathematics	04.07.2022
16.	Sonali	M. Sc. NET	Guest Faculty	Applied Mathematics	07.11.2022
17.	Neha	M. Sc.	Guest Faculty	Applied Mathematics	17.11.2022



#### 4. 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)	10 <sup>th</sup>	09.08.2018

#### 5. Journal and Conference Publications:

Sr. No.	Particular	Number
1.	Publications in International Journals	14

#### 6. List of Publications in SCI/SCIE/Scopus Journals:

Sr. No.	Title of Paper	Name of Author(s)	Journal, Year, Volume, Page No.	Indexing
1.	Innovation diffusion model based on advertising expenditure with change-point	Shiva, N. Gupta, A. G. Aggarwal	Int. J. System Assurance Engineering Management, DOI: 10.1007/s13198-023-02109-6	ESCI
2.	Nonclassicality versus quantum non-Gaussianity of photon subtracted displaced Fock state	Deepak, A. Chatterjee	Can. J. Phys., 2023, 101, 560-572.	SCIE
3.	A comparative study of higher-order non classicalities of photon-added-then subtracted and photon-subtracted-then-added quantum states	Deepak, A. Chatterjee	Ind. J. Phys., 2023, 98, 41-54	SCIE
4.	Untangling role of cooperative hunting among predators and herd behaviour in prey with a dynamical systems approach	Shivam, K. Singh, M. Kumar, R. Dubey, T. Singh	Chaos, Solitons and Fractals, 2022, 162, 2022, 112420	SCI
5.	Performance analysis of computer systems with Weibull distribution subject to software upgrade and load recovery	A. Kumar, R. Garg, M. S. Barak	Life Cycle Reliability and Safety Engineering, 2023, 12, 51-63	Scopus
6.	Performance of computer system with three types of failure using weibull distribution subject to hardware repair and software up-gradation	A. Kumar, R. Garg, M. S. Barak	International Journal of System Assurance Engineering and Management, 2023, 14 (Suppl 1), 483-491	Scopus, ESCI



8.	Generalized Second-Order G-Wolfe Type Fractional Symmetric Program and their Duality Relations under Generalized Assumptions	R. Kumar, N. Kumar, K. Alam, R. Dubey	International Journal of Mathematical, Engineering and Management Sciences, 2023, 8, 142-162	SCIE
9.	A class of higher-order symmetry duality in vector optimization problem under strongly higher-order (Q, T, $\tau$ , $\vartheta$ , e)-pseudo convexity assumptions	K. Singh, A. Kumar, A. Kumar Tiwari, R. Dubey	Nonlinear Studies, 2022, 29, 1-8	Scopus, ESCI
10.	Multi-objective Wolfe type symmetric fractional programming problem and their duality relations with arbitrary cones.	R. Kumar, K. Singh, R. Dubey	Mathematics in Engineering, Science & Aerospace, 2022, 13, 1-14	Scopus, ESCI
11.	Higher-order Wolfe type symmetric fractional programming problem under generalized assumptions	R. Kumar, K. Alam, R. Dubey	International Journal of Mathematical, Engineering and Management Sciences, 2022, 7	SCIE
12.	Symmetric Duality for a Multi objective Fractional Programming with Cone Objectives as Well as Constraints	Balram, R. Dubey, L. N. Mishra	Applications of Operational Research in Business and Industries, 2023, DOI: 10.1007/978-981-19-8012-1_22	Scopus

#### 7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized:

Sr. No.	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Expert Lecture on “Complexity in Data and Transfer Functions”	12.12.2022 (01 Day)	200
2.	Expert Lecture on “Mathematical Modeling”	24.02.2023 (01 Day)	200
3.	Expert Colloquium Lecture on “Basics of Reliability Theory” by Dr. Reena Garg	08.07.2022 (01 Day)	44
4.	Expert Colloquium Lecture on “Fundamentals of Cryptography” by Dr. Arpita Chatterjee	22.07.2022 (01 Day)	45
5.	Expert Colloquium Lecture on “Some Aspects of Nonlinearity Programming problems and their duality results under generalized assumptions” by Dr. Ramu Dubey	05.08.2022 (01 Day)	43
8.	Expert Colloquium Lecture on “Developable Surface” by Nisha Singh	05.04.2023 (01 Day)	67
9.	Expert Colloquium Lecture on “Applications of Groups” by Abhishek Singh	28.04.2023 (01 Day)	45



**8. FDPs/STCs/STPs/Workshops/Conferences attended by the Faculty/Staff:**

Sr. No.	Particular	Number
1.	FDPs	11

**9. Patents Published/ Granted during the year:** Nil

**10. Details of Industrial/Site Visits organized:** Nil

**11. Sponsored R & D Projects:**

Sr. No.	Name of the Principal Investigator	Title of the Project	Funding Agency	Duration	Year of Allotment	Amount (In Rs.)
1.	Dr. Arpita Chatterjee	Analyzing the effect of photon subtraction on non-classicality and non-Gaussianity of displaced Fock state	DST SERB	3 years	2023	22,99,260
2.	Dr. Suraj Goyal	Plane waves in elastic media with voids under strain gradient theory	J.C. Bose UST (Seed Money)	2 years	2023	2,00,000

**12. List of Consultancy Projects Completed:** Nil

**13. List of Ph.D. completed in the Department:** Nil

**14. List of Awards/ Achievements of the Faculty/Staff/Students:**

Sr. No.	Name of Faculty/Staff/Student	Name of awarding Agency(s)	Name of Award/Prize	Date of Receiving Award
1.	Ankita	Joint CSIR-UGC NET	JRF	23.06.2023
2.	Piyush Gupta	Joint CSIR-UGC NET	JRF	23.06.2023
3.	Pakhi	Joint CSIR-UGC NET	JRF	23.06.2023

**15. Placement details of Students:**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	M.Sc. Mathematics	62	8	3.5 LPA	3 LPA

**16. Major Recruiters:**

Echelon Institute of Technology, Faridabad; World College of Technology and Management, Gurugram; Modern BP School, Faridabad; Rose Valley International School, Faridabad.

**17. Major Equipment's/ Software's purchased:** Nil

**18. Higher Education data of students:** Nil



**19. Academic and Extension activities of students:** Nil

**20. Faculty served as Invited Speaker/Chair/Resource Person:**

- **Prof. Neetu Gupta**

Invited Speaker in 6<sup>th</sup> International Conference of Vijnana Parishad of India (VPI) on Recent Advances in Computational Mathematics and Applied Sciences (IC-RA-CMAS-2022) held on 9-11 December 2022, organized by Department of Applied Sciences, Faculty of Engineering and Technology, Manav Rachna International Institute of Research and Studies Faridabad, Haryana, India.

- **Dr. Suraj Goyal**

Delivered four lectures (70 minutes duration each) as a Resource Person to the participants in the Two-day Seminar on Latex Software System organized by Research & Development Section, J. C. Bose University of Science and Technology, YMCA, Faridabad on February 8-9, 2023.

**21. Faculty serving as Editors/Members of Editorial Boards:** Nil





**DEPARTMENT  
OF  
ENVIRONMENTAL SCIENCE**





### DEPARTMENT OF ENVIRONMENTAL SCIENCES

1. **Name of the Chairperson:** Prof. Neetu Gupta (I/C. Dr. Renuka Gupta)
2. **New Programs offered by the Department:** Nil
3. **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.	Smita	Ph. D.	Assistant Professor	Microbial Fuel Cell Technology; Bioremediation; Bioenergy; Liquid waste management	31.01.2020
4.	Navish Kataria	Ph. D.	Assistant Professor	Water Treatment; Environmental pollution monitoring	31.01.2020
5.	Anita Girdhar	Ph. D.	Assistant Professor	Wastewater Remediation	16.08.2017
6.	Mr. Balvinder	M. Sc., NET	Guest Faculty	Environmental Sciences	14.09.2022
7.	Dr. Sahil Mor	Ph. D.	Guest Faculty	Environmental Sciences	14.09.2022
8.	Ms. Divya	M. Sc., NET	Guest Faculty	Environmental Sciences	01.12.2022

#### 4. Details of Non-Teaching Staff:

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1.	Sachin Kumar	Lab Assistant	Diploma in Mech.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, BA, Diploma in Computer	01.07.2017
5.	Sudha Negi	Helper/Lab Attendant (C)	12 <sup>th</sup>	20.03.2020



### 5. Journal and Conference Publications:

Sr. No.	Particular	Number
1.	Publications in International Journals	20
2.	Publications in National Journals	01
3.	Papers presented in National Conferences	03

### 6. List of Publication in SCI/SCIE/Scopus Journals:

Sr.No.	Title of Paper	Name of Author(s)	Journal, Year, Volume, Page No.	Indexing
1.	Sustainable utilization and treatment of barnyard grass ( <i>Echinochloa crus-galli</i> ) weed biomass using vermitechnology	R. Gupta, M. Mago, V.K. Garg	Tropical Ecology, 2023,1-10	Scopus and SCIE
2.	Infusion of fruit-vegetable waste biomass into bakery sludge to enhance nutrient availability and vermicompost maturity using <i>Eisenia fetida</i>	R. Gupta, M. Mago, V.K. Garg	Biomass Conversion and Biorefinery, 2022, 1-12	Scopus and SCIE
3.	Sustainable treatment and nutrient recovery from leafy waste through vermicomposting	M. Mago, A. Yadav, R. Gupta, V.K. Garg	Bioresource Technology, 2022, 347, 126390	Scopus and SCIE
4.	Recent advancement in nanotechnology for treatment technology of pharmaceutical wastewater: sources, toxicity, and remediation technology	S. Kumar, S. Yadav, N. Kataria, A.K. Chauhan, S. Joshi, R. Gupta, P. Kumar, J.W.R. Chong, K.S. Khoo, P.L. Show	Current Pollution Report, 2023, 9, 110–142	Scopus and SCIE
5.	Biogenic fabrication of ZnO@EC and MgO@EC using Eucalyptus leaf extract for the removal of hexavalent chromium Cr(VI) ions from water	A.K. Chauhan, N. Kataria, R. Gupta, V.K. Garg	Environmental Science and Pollution Research, 2023, 30, 124884–124901	Scopus and SCIE
6.	Potential avenue of genetic engineered algal derived bioactive compounds: influencing parameters, challenges and future prospects.	R. Kothari, H.M. Singh, R. Azam, K. Gorla, A. Bharti, A. Singh, S. Bajar, A. Pathak, A.K. Pandey. V.V., Tyagi	Phytochemistry Reviews, 2023, 9, 110–142	Scopus and SCIE
7.	Insights into seasonal-variability of SVOCs, morpho-elemental and spectral characteristics of PM <sub>2.5</sub> collected at a dense industrial site: Faridabad, Haryana, India.	S. Shankar, R. Gadi, S. Bajar, N. Yadav, T.K. Mandal, S.K. Sharma,	Chemosphere, 2023, 323, 138204	Scopus and SCIE
8.	Lignocellulosic biomass valorization for bioethanol	A. Devi, S. Bajar, H. Kour, R. Kothari, D.	Bioenergy Research,	Scopus and SCIE



	production: a circular bioeconomy approach.	Pant, A. Singh	2022, 177, 106944	
9.	Optimizing leachate treatment with titanium oxide-impregnated activated carbon (TiO <sub>2</sub> @ ASC) in a fixed-bed column: characterization, modeling, and prediction study.	K. Singh, R.K. Lohchab, H. Aguedal, G. Goel, N. Kataria	Environmental Science and Pollution Research, 2023, 30(38), 88450-88462	Scopus and SCIE
10.	Assessing biomass-derived carbon dots as highly sensitive and selective template for sensing of hazardous ions.	P. Singh, Arpita, S. Kumar, P. Kumar, N. Kataria, K.S. Khoo, C.T. Hsieh	Nanoscale, 2023, 15, 16241-16267	Scopus and SCIE
11.	Plastic Waste-Derived Carbon Dots: Insights of Recycling Valuable Materials Towards Environmental Sustainability.	Arpita, P. Kumar, N. Kataria, N. Narwal, S. Kumar, R. Kumar, K.S. Khoo, P.L. Show	Current Pollution Reports, 2023, 9, 433–453	Scopus and SCIE
12.	Assessing the biomass-based carbon dots and their composites for photocatalytic treatment of wastewater	P. Singh, N. Rani, S. Kumar, P. Kumar, B. Mohan, V. Bhankar, N. Kataria, R. Kumar, K. Kumar	Journal of Cleaner Production, 2023, 137474	Scopus and SCIE
13.	Microplastic contamination in sewage sludge: Abundance, characteristics, and impacts on the environment and human health.,	F. Hassan, K.D. Prasetya, J.N. Hanun, H.M. Bui, S. Rajenderan, N. Kataria, K.S. Khoo, Y.F. Wang, S.J. You, J.J. Jiang	Environmental Technology & Innovation, 2023, 31, 103176	Scopus and SCIE
14.	Recent analytical techniques and eco-toxicological impacts of textile fibrous microplastics (FMPs) and its associated contaminates: a review.,	S. Yadav, N. Kataria, P. Khyalia, P.K. Rose, S. Mukherjee, H., Sabherwal, W.S. Chai, S. Rajendran, J.J.J Jiang, K.S. Khoo	Chemosphere, 2023, 326, 138495	Scopus and SCIE
15.	Weathering Effect Triggers the Sorption Enhancement of Microplastics Against Oxybenzone.	J.N. Hanun, F. Hassan, L. Theresia, H. Chao, S. Rajendran; N. Kataria, C. Yeh, P.L. Show, K.S. Khoo, J. Jiang	Environmental Technology & Innovation, 2023, 30, 103112	Scopus and SCIE
16.	Bio-inspired synthesis of CdO nanoparticles using Citrus limetta peel extract and their diverse biomedical applications.	K. Pagar, K. Chavan, S. Kasav, P. Basnet, A. Rahdar, N. Kataria, R. Oza, Y. Abhale, B. Ravindran, O. Pardeshi, S. Pawar, B. Pagar, S. Ghotekar	Journal of Drug Delivery Science and Technology, 2023, 82, 104373	Scopus and SCIE
17.	Microplastics in multimedia environment: A systematic review on its fate, transport, quantification, health risk, and remedial measures.	P.K. Rose, M. Jain, N. Kataria, P.K. Sahoo, V.K. Garg, A. Yadav	Groundwater for Sustainable Development, 2023, 20, 100889	Scopus and SCIE



18.	Biogenic fabrication of ZnO@ EC and MgO@ EC using Eucalyptus leaf extract for the removal of hexavalent chromium Cr (VI) ions from water.	A.K. Chauhan, N. Kataria, R. Gupta, V.K. Garg,	Environmental Science and Pollution Research, 2023, 30, 124884–124901	Scopus and SCIE
20.	Current Progress in treatment technologies for Plastic waste (Bisphenol A) in aquatic environment: Occurrence, Toxicity and Remediation mechanisms.	N. Kataria, D., Bhushan, R., Gupta, S., Rajendran, M.Y.M., Teo, K.S., Khoo,	Environmental Pollution, 2022, 315, 120319	Scopus and SCIE
21.	Sequestration of heavy metals from contaminated water using magnetic carbon nanocomposites.	N. Kataria, A. K., Chauhan, V. K., Garg, P. Kumar,	Journal of Hazardous Materials Advances, 2022, 6, 100066	Scopus and SCIE

#### 7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized:

Sr. No.	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Seminar on “EHS, EIA & Energy Auditing”	23.12.2022 (01 Day)	48
2.	Workshop on “Organic Waste Management”	20.12.2022 (01 Day)	40
3.	Workshop on “Critical Thinking and Innovation in Contemporary India”	13.02.2023 (01 Day)	78
4.	Seminar on “Environment and Climate Sustainability”	21.04.2023 (01 Day)	200
5.	Expert Lecture on “Carbon Emission, Climate Change and Sustainability”	27.04.2023 (01 Day)	48
6.	Workshop on “Environmental Gap Analysis and Solution Design”	11.05.2022 (01 Day)	75

#### 8. FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff:

Sr. No.	Particular	Number
1.	STCs/STPS	03
2.	Workshops	02
3.	Conferences	05

#### 9. Patents Published/ Granted during the year: Nil

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

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	An Industrial Visit to Agilent Technologies, IMT Manesar, Gurugram	25.04.2023	Dr. Somvir Bajar	16
2.	Organic Farm– Green Bandhu, Gurugram	10.03.2023	Dr. Anita Girdhar	15
3.	Visit of Suraj Kund Handicraft Mela, Faridabad to attend workshop on “Climate Awareness”	11.02.2023	Dr. Anita Girdhar	20

**11. Sponsored R & D Projects:**

Sr. No.	Name of the Principal Investigator	Title of the Project	Funding agency	Duration	Year of Allotment	Amount (INR)
1.	Dr. Navish Kataria	Development of eco-friendly nanomaterials for the removal of pharmaceuticals from water stream	UGC, New Delhi	2 Years	2022	10,00,000/-

**12. List of Consultancy Projects Completed:**

Sr.No.	Name of the Industry	Faculty Coordinator	Duration	Amount (INR)
1.	M/s NBCC (India) Ltd., New Delhi	Dr. Somvir Bajar	03 Months	70,800/-

**13. List of Ph.D. completed in the Department:** Nil**14. List of Awards/ Achievements of the Faculty/Staff/Students:**

Sr. No.	Name of Faculty/Staff/Student	Name of awarding Agency(s)	Name of Award/Prize	Date of Receiving Award
1.	Dr. Navish Kataria, Assistant Professor	Haryana State Red Cross	Best Counsellor Award	29.06.2023
2.	Mr. Sachin Shoran	UGC, New Delhi	NET	13.04.2023
3.	Ms. Komal	UGC, New Delhi	NET	05.09.2023
4.	Ms. Yuganshi	UGC, New Delhi	NET	13.04.2023

**15. 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	28	15	3,00,000/ year	2,40,000/ year

**16. Major Recruiters:** Victora Industries Pvt Ltd., Faridabad; NHPC, Faridabad; Ecotech Services Faridabad; ECOEX, Barakhambha Road, New Delhi; KBS Certification Services Pvt. Ltd., Shubam Towers, FBD; Mobius Foundation, New Delhi; Central bank of India.

**17. Major Equipment's/ Software's Purchased:**

Sr. No.	Equipment/software purchased	Price (INR)	Date of Purchase
1.	Aerosol Sampler	2,00,000/-	06.08.2022
2.	Organic Vapour sampler	1,11,000/-	02.09.2022
3.	Fine dust sample	64,000/-	02.09.2022
4.	Sonicator System	44,830/-	10.03.2023
5.	Hot air oven	42,999/-	13.03.2023
6.	Muffle Furnace	1,59,900/-	16.03.2023
7.	Orbital shaker	3,11,100/-	20.03.2023
8.	Biosafety cabinet	2,84,500/-	31.03.2023

**18. Higher Education data of students:** Nil

**19. Academic and Extension activities of students**

- One day Seminar on “Environment and Climate Sustainability” on the occasion of World Earth Day-2023 held on 21st April, 2023 at the University.
- Plantation Drive Hariyali Parv -2023 at the University held from July to September 2023 (Approx. 11 sessions held till date).
- MeriLife Plantation Drive - 2023 at the University initiated on 5th June, 2023, World Environment Day- 2023 as a part of One Student One Tree mission of AICTE and Mission LIFE by Govt of India. (Approx. 3500 plants were distributed to students and staff members of the university for plantation in Faridabad city)
- Plantation Drive Hariyali Parv -2022 at the University.
- held from July to December 2022 (Approx. 25 sessions held)
- Poster Making Competition, on the occasion of World Water Day 2023 at the University
- Energy Literacy Training conducted by Energy Swaraj Foundation held during March 2023 at the at the University. (University Received Silver certificate for making 500+ Energy Literate students)
- National Students Paryavaran Competition 2023, held from 1st July to 21st August 2023 at the University under the aegis of ParyavaranSanrakshanGatividhi Organization.
- Capacity building workshop on Organic Waste Management on 20th December, 2022 at the University.
- Tree Care Day on 20th December, 2022 at the University





- Interactive session with Padma Bhushan Shri Anil Joshi on 1st November, 2022 at the University.
- Paudha Mera Dost Plantation Drive on 14th -15th July, 2022 conducted at the University adopted villages.
- One-Day seminar on EIA, EHS and Energy Auditing: Scope and Opportunities on 12th December, 2022 at the University.

**20. Faculty served as Invited Speaker/Chair/Resource Person:**

**Dr. Somir Bajar:**

- Invited Speaker, to deliver talk on the topic “Unlocking Haryana's Natural Resource Potential: A Study of Effective Governance” on April 26, 2023, in DoPT sponsored One-week training course on “Natural Resource Governance” organized by Haryana Institute of Public Administration (HIPA) from April 24-29, 2023.
- Invited Speaker, to deliver talk on the topic “Biofiltration: A Prospective towards Bioremediation and Environmental Sustainability from Waste Sectors” on September 15, 2022, in National Conference on “Sustainable Environment: Water-Health-Agriculture-Climate Nexus” organised by Department of Environmental Sciences, Central University of Jammu, J&K from September 15-16, 2022.

**Dr. Navish Kataria:**

- Delivered Invited talk in National Conference on "Recent Advances in Materials and Nanotechnology" (RAMAN-2023) from April 7-8, 2023 at DIT University, Dehradun (India).
- Delivered Lecture as Resource person in One-Day workshop on “Best Out of Waste” organized by Aggarwal College, Ballabgarh, Faridabad, (India)
- Delivered Lecture as Resource person in one week District level Youth Red Cross Camp from February 20 to 28, 2023 organized by J.C. Bose University Faridabad, YMCA and District Red Cross, Faridabad.

**21. Faculty serving as Editors/Members of Editorial Boards:**

**Dr. Navish Kataria**

- Guest Editor: recognition from “Environmental Research” journal (Elsevier).
- Review Editor: “Frontiers in Environmental Chemistry” (Section: Sorption Technologies)
- Guest Editor: Special Issue on “Carbon-based Nanomaterials: Systematic Enumeration and Proficient Template for Detection and Remediation of hazardous pollutants” (VSI: NANOWATER) in Environmental Science and Pollution Research (Springer Journal)





**FACULTY  
OF  
LIFE SCIENCES**



# DEPARTMENT OF LIFE SCIENCES





## DEPARTMENT OF LIFE SCIENCES

1. Name of the Chairperson: Dr Kakoli Dutt
2. New Programs offered by the Department:

Sr. No.	Name of the Program	Sanctioned Intake
1.	Ph.D. in Biotechnology	As per seats available
2.	Ph.D. in Microbiology	As per seats available

## 3. Details of Teaching Staff:

Sr. No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Kakoli Dutt	Ph.D.	Associate Professor	Industrial Microbiology and Fermentation	05.08.2022
2.	Deepansh Sharma	Ph.D.	Assistant Professor	Microbiology	04.08.2022
3.	Ashima Sharma	Ph.D.	Assistant Professor	Biotechnology	01.08.2022
5.	Sakshi Tewari	Ph.D.	Assistant Professor	Environmental Microbiology	10.11.2020
6.	Komal Taneja	Ph.D.	Assistant Professor	Molecular Biology & Neurosciences	04.11.2020
7.	Sunny Dholpuria	Ph.D.	Assistant Professor	Animal Biotechnology	12.09.2021
8.	Sonia Saraswat	Ph.D.	Assistant Professor	Animal Sciences	16.09.2021
9.	Nimisha Patel	Ph.D.	Assistant Professor	Bioscience	06.08.2021
10.	Brij Bharti	Ph.D.	Guest Faculty	Biochemistry and Molecular Biology	16.05.2022
11.	Radhika Mishra	Ph.D.	Guest Faculty	Botany	16.11.2022
12.	Diksha	Ph.D.	Guest Faculty	Zoology	16.11.2022

## 4. Details of Non-Teaching Staff:

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



### 5. Journals and Conferences Publications:

Sr. No.	Particular	Number
1.	Publications in International Journals	15

### 6. List of Publication in SCI/SCIE/Scopus Journals:

Sr. No.	Title of Paper	Name of Author(s)	Journal, Year, Volume, Page No.	Indexing
1.	In Vivo Toxicological Analysis of MnFe <sub>2</sub> O <sub>4</sub> @poly (t BGE-alt-PA) Composite as a Hybrid Nanomaterial for Possible Biomedical Use	Kumar, R., Bauri, S., Sahu, S., Chauhan, S., Dholpuria, S., Ruokolainen, J., Kesari, K.K., Mishra, M. and Gupta, P.K.	ACS applied bio materials, 6(3), 1122–1132. <a href="https://doi.org/10.1021/acsabm.2c00983">https://doi.org/10.1021/acsabm.2c00983</a>	Scopus
2.	Current Trends on the Effects of Metal-Based Nanoparticles on Microbial Ecology	Rawat, J., Kumar, V., Ahlawat, P., Tripathi, L.K., Tomar, R., Kumar, R., Dholpuria, S. and Gupta, P.K.	Applied biochemistry and biotechnology, 195(10), 6168–6182. <a href="https://doi.org/10.1007/s12010-023-04386-0">https://doi.org/10.1007/s12010-023-04386-0</a>	SCI
3.	Strategy for lipid extraction and transesterification to enhance <i>Chlorella sorokiniana</i> strain BV 12 feedstock utilization	Goyal, A., Chaudhary, S. & Dutt, K.	Materials Today: Proceedings, July 2023	Scopus
4.	Biofouling in Membrane Bioreactors: Mechanism, Interactions and Possible Mitigation Using Biosurfactants	Singh, D., Satpute, SK., Ranga, P. Saharan, BS., Tripathi, NM., Aseri, GK., Sharma, D., Joshi S.	Applied biochemistry and biotechnology, 195(3), 2114–2133. <a href="https://doi.org/10.1007/s12010-022-04261-4">https://doi.org/10.1007/s12010-022-04261-4</a>	SCI
5.	Next-Generation Organic Beauty Products Obtained from Algal Secondary Metabolites: A Sustainable Development in Cosmeceutical Industries	Mago, Y., Sharma, Y., Thakran, Y., Mishra, A., Tewari, S. and Kataria, N.	Molecular biotechnology, 10.1007/s12033-023-00841-9. Advance online publication. <a href="https://doi.org/10.1007/s12033-023-00841-9">https://doi.org/10.1007/s12033-023-00841-9</a>	Scopus Index and SCIE
6.	Liquid bioformulation: A trending Approach towards sustainable agriculture	Rai. S., Mago, Y., Aggarwal, G., Yadav, A., Tewari, S.	Molecular biotechnology, 10.1007/s12033-023-00901-0. Advance online publication. <a href="https://doi.org/10.1007/s12033-023-00901-0">https://doi.org/10.1007/s12033-023-00901-0</a>	Scopus Index and SCIE
10.	Microbial Interventions in	Pande, V., Pandey, S.C., Sati, D.,	Frontiers in microbiology, 13,	Scopus



	Bioremediation of Heavy Metal Contaminants in Agroecosystem.	Samant, M.	824084. <a href="https://doi.org/10.3389/fmicb.2022.824084">https://doi.org/10.3389/fmicb.2022.824084</a>	
11.	Identification of Putative Elicitors from Plant Root Exudates Responsible for PsoR Activation in Plant-Beneficial Pseudomonas spp. by Docking and Molecular Dynamics Simulation Approaches to Decipher Plant-Microbe Interaction	Sati, D., Joshi, T., Pandey, S. C., Pande, V., Mathpal, S., Chandra, S., & Samant, M.	Frontiers in plant science, 13, 875494. <a href="https://doi.org/10.3389/fpls.2022.875494">https://doi.org/10.3389/fpls.2022.875494</a>	Scopus
12.	Plant-beneficial Bacillus, Pseudomonas, and Staphylococcus spp. from Kumaon Himalayas and their drought tolerance response.	Sati, D., Pande, V., & Samant, M.	Frontiers in Sustainable Food Systems, 2023, Vol 7, <a href="https://doi.org/10.3389/fsufs.2023.1085223">https://doi.org/10.3389/fsufs.2023.1085223</a>	Scopus
14.	Plant Based Proteins: Sustainable Alternatives	Mistry, K., Sardar, SD., Alim, H., Patel, N., Thakur, M., Jabborova, D., Ali A.	Plant Science Today, 2022, Vol 9, No 4, DOI: <a href="https://doi.org/10.14719/pst.1652">https://doi.org/10.14719/pst.1652</a>	Scopus

#### 7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized:

Sr. No.	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Expert Lecture on 'Role of Micro-organisms in Earth's Survival, Human daily life, and Longevity' as part of Expert Lecture Series 2022-2023	22.04.2023 (01 Day)	250
2.	Seminar on Advances in Biotechnology	28.04.2023 (01 Day)	120

#### 8. FDPs/STCs/STPs/Workshops/Conferences Attended By The Faculty/Staff:

Sr. No.	Particular	Number
1.	FDPs	-
2.	Conferences	-
3.	Workshops	01
4.	STCs/STPs	-

#### 9. Patents Published/ Granted during the Year: Nil

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

Sr. No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	BSC BioNEST Bio-Incubator RCB, Faridabad	26.04.2023	Dr. Nimisha Patel and Dr. Sakshi Tewari	40

**11. Sponsored R & D Projects:**

Sr. No.	Name of the Principal Investigator	Title of the Project	Funding Agency	Duration	Year of Allotment	Amount (INR)
1.	Dr. Sakshi Tewari	Synthetic Microbial Community as a novel approach for combating biotic stress in pigeon pea	DST, New Delhi	1 year 6 months	2022	8,00,000

**12. List of Consultancy Projects Completed:** Nil

**13. List of Ph.D. completed in the Department:** Nil

**14. List of Awards/ Achievements of the Faculty/Staff/Students:**

Sneha, Anjali Fogaat, Priya Rani, Pushkar Mudgil, Komal Sharma, Yashika Mago received GATE fellowship from National Coordination Board – GATE, Department of Higher Education, Ministry of Education (MoE), Government of India on March 2023.

**15. Placement details of Students:**

Sr. No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	M.Sc. Botany	19	1	3.6 lpa	3.6 lpa
2.	M.Sc. Zoology	18	4	3.6 lpa	3.5 lpa
3.	M.Sc. Microbiology	20	7	3.6 lpa	2.5 lpa
4.	M.Sc. Biotechnology	18	2	2.4 lpa	2.4 lpa

**16. Major Recruiters:** Byju's (Indian multinational educational technology company), Indian Oil Corporation, R & D, Faridabad, Jaro Corporation, Gurgaon

**17. Major Equipment's/ Software's Purchased:**

Sr. No.	Equipment/software purchased	Price (INR)	Date of Purchase
1.	Laminar Flow Unit	1,10,630	12.08.2022
2.	Thermal cycle (PCR)	2,40,450	14.07.2022
3.	UV Visible Transiluminator	21,425	29.07.2022
4.	UV-VIS Spectrophotometer	2,49,450	29.07.2022



5.	Western Blotting Apparatus	44,850	29.07.2022
6.	Double Door Refrigerator	26,704	20.11.2022
7.	Microscope	19,990	09.12.2022
8.	Vortex Mixture	20,547	24.12.2022
9.	Centrifuge	34,499	05.01.2023
10.	Incubator	49,990	12.01.2023
11.	Refrigerator	39,828	05.01.2023
12.	Water Bath	34,999.76	03.02.2023
13.	Microwave	21,132	09.02.2023
14.	Weight Balance	47,400	27.02.2023
15.	Laboratory Drying Oven	30,000	11.03.2023
16.	Rotary shaker	24,999	21.02.2023

18. **Higher Education data of students:** Nil

19. **Academic and Extension activities of students**

- Muskaan Veer (Roll No. 21001756014) and Priya Bansal (Roll No. 21001756016) of M. Sc. Botany (2021-23) motivated students to take part in co-curricular and distinguished activities of university clubs/societies.
- Yashika Mago (Roll No. 2200175022) of M.Sc. Biotechnology, and Manisha Bansal (Roll No. 22001756011) of M. Sc. Botany (2021-23) helped their junior students in their study related problems.
- Vibhuti Nagpal (Roll No. 2100325056), Sachin Singh (Roll No. 21003255048) and Shreshth Rampal (2100325052) of B. Sc. Life Sciences (2021-24) helped students during admission counselling for session 2022-23.
- Juhi Singh (Roll No. 2100325023) of B.Sc. Life Sciences and Muskaan Veer (Roll No. 21001756014) motivated students for plantation derive to curb pollution.

20. **Faculty served as Invited Speaker/Chair/Resource Person:** Nil

21. **Faculty serving as Editors/Members of Editorial Boards:** Nil



**FACULTY  
OF  
LIBERAL ARTS  
AND  
MEDIA STUDIES**





**DEPARTMENT  
OF  
COMMUNICATION AND MEDIA TECHNOLOGY**





## DEPARTMENT OF COMMUNICATION AND MEDIA TECHNOLOGY

1. Name of the Chairperson: **Dr. Pawan Singh**
2. New Programs offered by the Department:

Sr. No.	Name of the Program	Sanctioned Intake
1.	B.Sc. (Visual Communication & Multimedia Technology)	30

### 2. Details of Teaching Staff:

Sr.No.	Name	Highest Qualification	Designation	Specialization	D.O.J
1.	Dr. Pawan Singh	Ph.D.	Associate Professor	New Media, Political Communication	05-04-2021
2.	Dr. Taruna Narula	Ph.D.	Assistant Professor	Radio Production	09-08-2016
3.	Dr. Sonia Hooda	Ph.D.	Assistant Professor	Communication Theories and Models	29-07-2019
4.	Dr. Bharat Dhiman	Ph.D.	Assistant Professor	Advertising and Public Relations	21-10-2021
5.	Dr. Rahul Arya	Ph.D.	Assistant Professor	Digital Media	18-10-2021
6.	Dr. Sudhir Nathal	Ph.D.	Assistant Professor	Print Media	25-10-2021
7.	Dr. Akhilesh Tripathi	Ph.D.	Assistant Professor	Social Work	15-09-2021
8.	Dr. K.M Tabish	Ph.D.	Assistant Professor	Social Work	30-09-2021

### 4. Details of Non-Teaching Staff:

Sr. No.	Name	Designation	Highest Qualification	D.O. J
1.	Mr. Dushyant Tyagi	Senior Instructor	M.A	16-08-2016
2.	Mr. Ramras Pal Singh	Production Assistant	M.A	30-07-2018
3.	Mr. Pankaj Saini	Production Assistant	M.sc.	02-12-2022
4.	Mr. Himanshu Sharma	Technician	B.Tech	06/09/2019

### 5. Departmental Journal and Conference Publications:

Sr. No.	Particular	Number
1.	Publications in International Journals	8
2.	Publications in National Journals	2
3.	Papers presented in International Conferences	-
4.	Papers presented in National Conferences	1



**6. List of Publication in SCI/SCIE/Scopus Journals: Nil**

**7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized:**

Sr. No.	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Workshop on Radio Commentary	12.07.2022	70
2.	Workshop on Cinematography and Film making	11.07.2022-12.07.2022 (2 Days)	50
3.	Beginner Workshop on Reference Management using Mendeley	26.07.2022	50
4.	Workshop on Lightning Techniques for film and Photography	02.08.2022	60
5.	Master Class with Media Guru with Prof B.K. Kuthiala (Chairman, Haryana State Higher Education Council)	16.09.2022	70
6.	Workshop on “Creative thinking”	29.09.2022	60
7.	Expert lecture on Emerging Trends in Advertising	14.10.2022	50
8.	Master Class with Ashish Srivastva	16.11.2022	50
9.	Master Class with Prof. Vineet Pandey	17.11.2022	90
10.	Workshop on Digital Fantasy Painting by industry experts	21.11.2022-24.11.2022 (4 Days)	70
11.	Master Class with Prof. Vikram Kaushik, GJU, Hisar	30.11.2022	70
12.	Master Class with Hariom Kaushik, Film Director	09.12.2022	70
13.	Radio Workshop	09.12.2022	65
14.	Master Class with Prof Manoj Dayal, GJU, Hisar	24.12.2022	70
15.	Master Class with Prof CP Singh, Kurukshetra University, Kurukshetra Haryana	27.01.2023	70
16.	Workshop on Design and development Mr. Abhimanyu Singh from animation Industry	27.02.2023	85
17.	Master Class on “Pro-Women Ads” Promoting Women Empowerment or Mere Marketing Gimmicks? By Dr. Manash P Goswami, Associate Professor, CUTN	21.03.2023	85
18.	Master Class by Prof. Umesh Arya, GJU, Hisar	22.03.2023	80
19.	FDP on Topic Skills Re-Engineering in Research and Studies	25.04.2023-29.04.2023 (5 Days)	150
20.	Workshop on Lighting techniques for film and photography by Dr. Gagan Gera	22.04.2023	50
21.	Workshop on Digital Media by Mr. Anuj Khare, Editor Digital, Aaj Tak	24.06.2023	50



**8. FDPs/STCs/STPs/Workshops/Conferences attended by the Faculty/Staff:**

Sr. No.	Particular	Number
1.	FDPs	8
2.	STCs/STPS	-
3.	Workshops	-
4.	Conferences	1

**9. Patents Published/ Granted during the year: Nil**

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

Sr.No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	Interaction with Star cast (T-Series Films Corporation for industrial exposure), Noida	22.09.2022	Dr. Taruna Narula	50
2.	Three days academic tour in Bhopal	22.09.2022 - 25.09.2022	Dr. Pawan Singh, Mr. Ramraspal, Dr. Bharat Dhiman	25
3.	Dainik Bhaskar Industrial Visit, Panipat	18.02.2023	Dr. Bharat Dhiman	70
4.	1st Social Work Conclave	02.03.2023	Dr. Akhilesh Tripathi, Dr. KM Tabish	150
5.	Industrial Visit to All India Radio, New Delhi	07.03.2023	Dr. Taruna Narula	70
6.	Filed Visit on Ground Reporting by Mr. Amit Prakash, New Delhi	03.04.2023	Dr. Rahul Arya	70
7.	Summer Internship for Media Students, JCBOSEUST	05.06.2023-05.07.2023	Dr. Pawan Singh, Mr. Ramraspal	70
8.	Industrial Visit to AajTak, Noida	22.06.2023	Dr. Taruna Narula	70

**11. Sponsored R & D Projects: Nil**

**12. List of Consultancy Projects Completed:**

Sr.No.	Name of the Industry	Faculty Coordinator	Duration	Amount
1.	National Power Training Institute [NPTI], Faridabad	Dr. Pawan Singh, Dr. Rahul Arya	3 Months	59000/-

**13. Details of MOUs signed by the Department: Nil**



14. List of Ph. Ds completed in the Department: Nil

15. List of Awards/ Achievements of the Faculty/Staff/Students:

Sr.No.	Name of Faculty/Staff/Student	Name of awarding Agency(s)	Name of Award/Prize	Date of Receiving Award
1.	Dr. Pawan Singh	Prabha Sakshi News Portal	Hindi Sewa Samaan	2022
2.	Dr. Bharat Dhiman	International Research Awards on Science, Technology and Management	Best Researcher Award	2022
3.	Sourabh Shukla (MAJMC)	NTA	UGC NET	2022, 2023

16. Placement details of Students:

Sr.No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	MAJMC	19	19	5 Lakh	1 Lakh

17. Major Recruiters:

Axis Bank (Public Relations Executive), NPTI, Faridabad, Petridish Media Pvt. Ltd., Hindustan Tehelka News, Dream Events and Conferences, Hindustan Tehelka News, CAPED India Trust, News Impression Media, Sanchaar News, Shubham Digital Color Lab and Studio, PR Intern to Sunil Deodhar (BJP National Secretary), Smile Forever Foundation, PR Intern to Sunil Deodhar (BJP National Secretary), Amar Ujala, Hindustan Tehelka News, Navus IT Services Limited, NPTI Faridabad.

18. Major Equipments/ Software's purchased:

Sr.No.	Equipment/software purchased	Price	Date of Purchase
1.	Adobe Creative Cloud	15 Lakh	02-06-2023
2.	HP Laser Jet MFPM 233 DW Multi Functional Printer	15000/-	23-06-2022

19. Higher Education data of students: Nil

20. Academic and Extension activities of students:

Sr. No.	Name of Event	Date of Activity	Activity Head	Number of Beneficiary
1.	Interaction with Star cast of Webseries JHOLACHAP	05.07.2022	Dr. Taruna Narula	150



2.	Har Ghar Tiranga Campaign	27.07.2022	All Faculty Members	250
3.	Open Mic Under Theme (Har Ghar Tiranga Campaign)	02.08.2022	All Faculty Members	250
4.	Podcast Series (Har Ghar Tiranga Campaign)	01.08.2022	Dr. Bharat Dhiman	150
5.	Rally Under Theme (Har Ghar Tiranga Campaign)	04.08.2022	All Faculty Members	250
6.	Signature Campaign Under Theme (Har Ghar Tiranga)	03.08.2022	All Faculty Members	250
7.	मेरी पहचान हिंदी साहित्य संध्या कार्यक्रम	14.09.2022	Dr. Pawan Singh	150
8.	Celebration of Doordarshan Diwas	15.09.2022	Dr. Pawan Singh	70
9.	Interaction with Star cast (T-Series Films Corporation for industrial exposure)	22.09.2022	Dr. Taruna Narula	100
10.	Open Mic 3	19.10.2022	Dr. Pawan Singh	250
11.	Orientation Program for Media Students	02.11.2022	All Teaching and Non-Teaching Staff	150
12.	Indogma Film Festival 2022	16.11.2022 - 18.11.2022	All Teaching and Non-Teaching Staff	150
13.	Celebration of National Press Day 2022	16.11.2022	Dr. Pawan Singh	150
14.	Three days academic tour in Bhopal	24.11.2022	Dr. Pawan Singh, Dr. Bharat Dhiman	20
15.	Constitution Day Celebration	26.11.2022	Dr. Pawan Singh	60
16.	Media Tech Portfolio Exhibition	19.12.2022	Dr. Bharat Dhiman	250
17.	Celebration of World Radio Day 2023	13.02.2023	Dr. Bharat Dhiman	70
18.	1 <sup>st</sup> Social Work Conclave	02.03.2023	Dr. Akhilesh Tripathi, Dr. KM Tabish	150
19.	Filed Visit on Ground Reporting by Mr. Amit Prakash	03.04.2023	Dr. Rahul Arya	50
20.	Mock Press Conference	13.04.2023	Dr. Sonia Hooda	25
21.	World Press Day Celebration	03.05.2023	Dr. Pawan Singh	150
22.	Interaction with Gunjan Kuthiala Writer/ Producer & Actor	30.05.2023	Dr. Taruna Narula	50



23.	Summer Internship for Media Students	05.06.2023 - 05.07.2023	Dr. Pawan Singh, Mr. Ramraspal	50
24.	Represented YMCA at Gurugram University "G20: India on the path to global leadership: Perceptions and challenges in the media".	12.04.2023 - 13.04.2023	Dr. Taruna Narula	80
25	A workshop on "How to read films like a book"	28.03.2023 - 29.03.2023	Dr. Taruna Narula	22
26	A hands-on workshop on "Lighting Art for Film and Photography"	21.04.2023	Dr. Taruna Narula	50
27	Visit to Surajkund Mela for photography assignments	15.02.2023	Dr. Taruna Narula	50
28	Initiative of Podcasting	Released on every Tuesday and Friday for the last more than One year	Dr. Bharat Dhiman	More than 1 thousand

### 21. Faculty served as Invited Speaker/Chair/Resource Person

- Invited for Practical (Internship-Viva & Dissertation) on 19<sup>th</sup> July, 2022 at Chaudhary Charan Singh University, Meerut (**Dr. Pawan Singh**)
- Participated in **One Day National Conference** on the topic "**Media Law and Society: Interrelations and Emerging Trends**" on July 30<sup>th</sup>, 2022 organized at MUIT, Noida Campus (**Dr. Pawan Singh**)
- Acted as Consultancy work for preparing Video film for training of DISCOM employees, NPTI, Faridabad (**Dr. Pawan Singh**)
- Keynote speaker in National Seminar on the topic "**A Roadmap for the Entrepreneurship: National Education Policy, 2020**", sponsored by Directorate Higher Education, Haryana on March 18, 2023 at Goswami Ganesh Dutt Sanatan Dharma College, Palwal (**Dr. Pawan Singh**)
- Speaker in National Seminar on the topic "**Symbiosing Higher Education in the context of NEP 2020 and approaches for implementation**" on 24<sup>th</sup> September 2022, sponsored by Director General of Higher Education, Haryana (**Dr. Pawan Singh**)
- Acted as Keynote Speaker in One Day National Seminar on the topic "**A Roadmap for the entrepreneurship: National Education Policy 2020**" held on 6<sup>th</sup> April 2023 at Goswami Ganesh Dutt Sanatan Dharm College, Palwal (**Dr. Pawan Singh**)





- Keynote speaker on the topic **“Future of Media and Current Scenario”** on 14<sup>th</sup>Jan 2023 held by Department of Journalism and Mass Communication, Chaudhary Devi Lal University, Sirsa **(Dr. Pawan Singh)**
- Acted as Keynote speaker on National Seminar on the topic **“A Roadmap for the entrepreneurship: National Education Policy 2020”**, on 6<sup>th</sup> April 2023 organised by Director General of Higher Education, Haryana at Goswami Ganesh Dutt Sanatan Dharm College, Palwal **(Dr. Pawan Singh)**
- Participated in two-day National Seminar on the topic **“National Integration through Cultural Exchange”** also presented a paper on **“Digital Communication bringing resonance in agriculture in special reference to Assam”** on 15<sup>th</sup> and 16<sup>th</sup> May 2023 at Mizoram University **(Dr. Pawan Singh)**
- Acted as keynote speaker at **“National Media Conclave 2022”** on 19<sup>th</sup> June 2023 held at Gurugram University **(Dr. Pawan Singh)**
- Acted as keynote speaker on the topic **“Social Media Engineering”**, on 17<sup>th</sup>March 2023 held at Aggarwal College, Ballabgarh **(Dr. Pawan Singh)**
- Acted as a keynote speaker on the topic **“Workplace Spirituality”** conducted in Feb- May 2023 by Department of Management Studies, JCBOSEUST **(Dr. Pawan Singh)**

## **22. Faculty serving as Editors/Members of Editorial Boards**

- Member of International Association of Academic plus Corporate Society - [IAAC], (2022 to Present) **(Membership ID: FRT JQC-CE000784) (Dr. Bharat Dhiman)**
- Life Member of All India Council for Technical Skill Development (AICTSD) (2023 to Present) **Member ID: AICTSD/PROFESSOR/76887 (Dr. Bharat Dhiman)**
- Editor of Journal of Media and Management (ISSN: 2755-0109), **(Scientific Research and Community Ltd, United Kingdom) (Dr. Bharat Dhiman)**
- **Reviewer of Global Media Journal (ISSN-1550-7521) (Dr. Bharat Dhiman)**
- **Editorial Member of Acta Scientific Computer Sciences International Journal (ISSN: 2582-0931) (30th March 2023 to till date) (Dr. Bharat Dhiman)**
- **Editorial Member of International Journal of Technology and Emerging Sciences (IJTES) (E-ISSN: 2583-1925) (Membership ID: IJTRESREW0101) (22<sup>nd</sup>April 2023 to Till Date) (Dr. Bharat Dhiman)**
- **Editorial Board Member of International Research Journal of Innovations in Engineering & Technology (IRJIET) ISSN (online): 2581-3048 (June 2023 to Till Date) (Dr. Bharat Dhiman)**
- **Reviewer of reputed International Journal of Human-Computer Interaction, ISSN No. 1044-7318, Publisher, Taylor and Francis Ltd. (June 2023 to Till Date) (Dr. Bharat Dhiman)**





- **Reviewer of Cogent Education**, ISSN 2331-186X, Publisher, **Taylor and Francis Ltd.** (June 2023 to Till Date) **(Dr. Bharat Dhiman)**
- **Reviewer of Cogent Arts & Humanities**, ISSN No. 23311983, Publisher, **Taylor and Francis Ltd.** (June 2023 to Till Date) **(Dr. Bharat Dhiman)**
- Reviewer of Journal of Communications (ISSN: 1796-2021) (Indexed in Scopus (CiteScore 2022: 2.5). (June 2023 to Till Date) **(Dr. Bharat Dhiman)**
- **Reviewer of Behaviour & Information Technology**, (ISSN: 0144929X), Publisher, **Taylor and Francis Ltd.** (June 2023 to Till Date) **(Dr. Bharat Dhiman)**
- **Reviewer of European Journal of Education** (Education & Educational Research), (ISSN: 1465-3435), **Published quarterly by Wiley-Blackwell Publishing Ltd.** (July 2023 to Till Date) **(Dr. Bharat Dhiman)**
- **Editorial Board Member** of World Journal of Clinical & Medical Images (WJCMI) ISSN: 2833-9312, DOI: 10.33140/WJCMI, USA. (July 2023 to Till Date) **(Dr. Bharat Dhiman)**
- **Reviewer of Communication and Linguistics Studies Journal**, ISSN Print: 2469-7850, Published by Science Publishing group, USA. (May 2023 to May 2025) **(Dr. Bharat Dhiman)**
- **Editorial Board Member** of **International Research Journal of Innovations in Engineering and Technology**, (IRJIET), Membership ID: EBM042043, India. (August 2023 to Till Date) **(Dr. Bharat Dhiman)**
- **Reviewer of Media Asia journal** published quarterly by the Asian Media Information and Communication Centre (AMIC) and Routledge Taylor & Francis Group, **Philippines** (August 2023 to Till Date) **(Dr. Bharat Dhiman)**



# DEPARTMENT OF LANGUAGE AND LITERATURE





## DEPARTMENT OF LANGUAGE AND LITERATURE

1. Name of the Chairperson: Dr. Atul Mishra
2. New Programs offered by the Department:

Sr. No.	Name of the Program	Sanctioned Intake
1.	Minor Degree Programme in Critical Thinking and Corporate Communication	20

## 3. Details of Teaching Staff:

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

## 4. Details of Non-Teaching Staff:

Sr. No.	Name	Designation	Highest Qualification	D.O.J
1.	Satish Parewa	Peon	8 <sup>th</sup> Pass	19.05.2022

## 5. Departmental Journal and Conference Publications:

Sr. No.	Particular	Number
1.	Publications in International Journals	12
2.	Publications in National Journals	01
3.	Papers presented in International Conferences	04
4.	Papers presented in National Conferences	10

## 6. List of Publication in SCI/SCIE/Scopus Journals:

Sr. No.	Title of Paper	Name of Author(s)	Name of Journal	Indexing
1.	"Re-Storying" to Reverse the Game of Silence: Louise Erdrich's Narrative Rescue from Reductive Western Discourses.	V Pal, DSingh	IUP Journal of English Studies, Vol. XIV, No.3, Sep.2019, pp 30-40.	SCOPUS
2.	Natives' Naivety vis-a-vis Settler's Skepticism and	B Devi, DSingh, SK Verma	Rupkatha Journal on Interdisciplinary Studies in	Indexed Web of Science, SCOPUS, DOAJ, ERIHPLUS



	Bibles's Belief: Restoring, 're-storying' the Native Ceremony in Silko's Ceremony		Humanities (ISSN 0975-2935), Vol.11, No.2, Pg. 1-19 2019	
3.	Silko's Narrative Negotiation of the Rain Man's Rites of the Passage	B Devi and D Singh	The Explicator, Vol.79, Issue 4, 2021. pp 160-165. 2021	Clarivate Analytics: Arts & Humanities Citation Index, and SCOPUS
4.	Orwellian 'Newspeak' and Sustainable Development Goals: Polemical Themes in Digital Media	M Bansal and DSingh	Design Engineering, Issue 9, ISSN:0011-9352, 2021, pp 2558-2564.	SCOPUS
5.	Codifying the Oral Traditions, Resisting the Colonial Machinery: A Study of Leslie Marmon Silko's Storyteller Posted	BDevi, DSingh and SK Verma	Rupkatha Journal on Interdisciplinary Studies in Humanities, Vol.13, No.2, 2021.	SCOPUS
6.	Repression to Rehabilitation: Breaking-free of the Prison-house of Language in 1984 and Animal Farm	MBansal and DSingh	Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651-4451, 2021	SCOPUS

#### 7. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized:

Sr. No	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Club Activity- 'Marketing Magic Hour' by Dr. Bhawna Syal, Rawal Group of Institution, Dr. Dimple, Aggarwal college & Dr. Gunjan Gumber, Dr. Parveen Kumar J.C. Bose, UST, YMCA	04.05.2023 (1 Day)	100
2.	Club activity- 'HR Verse' by Mr Rahul Khandelwal, Senior Manager-Human Resource at Medanta.	27.04.2023-28.04.2023 (2 Days)	96
3.	Club Activity- 'Celebration of National Financial Awareness Day' by Mr. Aayush Goel, General Manager at Group SEB India Pvt Ltd.	26.04. 2023 (1 Day)	145
4.	Expert Lecture on 'Entrepreneur: Journey to Unicorn' by Dr. Sanjiv Gupta, Consultant & Freelancer - Entrepreneurship	18.04.2023 (1 Day)	55



5.	Alumni Meet by Dr. Rupali Madan, Dr. Gunjan Gumber & Mr. Vikas Kumar, J.C. Bose, UST, YMCA	08.04.2023 (1 Day)	250
6.	30 Hours Value Added Course- 'Integrated Brand Promotion' by Dr. Rupali Madan & Dr. Rajiv Sindhvani, J.C. Bose, UST, YMCA	Feb-April 2023 (30 Hours)	70
7.	A Seminar on G20- 'Organisational Authority and Responsibility: an ethical challenge for Sustainable Development' by Prof. Ritu Sapra, Professor, Department of Commerce, Delhi School of Economics, University of Delhi, New Delhi	19.04.2023 (1 Day)	110
8.	Expert Lecture on 'Socio-Economic and Geo-political Landscape-Challenges and Opportunities for tomorrow's Professional' by Mr Ashok Jambur, Member Advisory Board, Human Development Society, New Delhi	05.04.2023 (1 Day)	50
9.	A Seminar on 'Indian Budget 2023' by Prof. Suresh Kumar Bedi, Former Dean, Faculty of Management, Maharshi Dayanand University	22. 03. 2023 (1 Day)	52
10.	30 Hours Value Added Course- 'Workplace spirituality' by Dr Parveen Kumar, Dr Anushree Chauhan, Dr Arvind gupta, Dr Pardeep Dimri, Dr Pawan Singh malik, Dr Anuj Arya, J.C. Bose, UST, YMCA) & Dr Naval Garg DTU, Dr Mukesh Chandigarh university	Feb-April 2023 (30 Hours)	66
11.	30 Hours Value Added Course- 'Conscious Capitalism through Simulation' By Prof. Bindu Aggarwal Founder Art of Learning, & Dr. Renu Aggarwal, Dr. Gunjan Gumber, J.C. Bose, UST, YMCA	Feb-April 2023 (30 Hours)	41
12.	Interactive Session with Faculty and Students by Prof. Raj Kumar, VC Panjab University	24.11.2022 (1 Day)	70
13.	Colloquium Lecture- 'Enhancing the Quality of Students' Projects' by Prof. Suresh Bedi, Former Dean, Faculty of Management, Maharshi Dayanand University	22.12.2022 (1 Day)	10
14.	Workshop for non-teaching staff - 'Work Life Balance and Work Ethics' by Dr. Rajiv Singh Registrar Gurugram University & Prof. Ashutosh Nigam & Dr. Arti Gupta, J.C. Bose UST, YMCA	21.12.2022 (1 Day)	57
15.	Expert Lecture on 'Digital marketing and analytics - current & Future trends' by Shri Saumitra Das, Professional Consultant, Trainer & Coach (Digital Marketing & Sales)	01.12.2022 (1 Day)	>50
16.	Seminar- 'Opportunities and Support Systems for New Entrepreneurs' Mr Rajiv Chawla Founder & Chairman IamSME of India, Ms Saloni Kaul CEO, its people	09.08.2022 (1 Day)	62



**8. FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff:**

Sr. No.	Particular	Number
1.	FDPs	13
2.	STCs/STPS	05
3.	Workshops	05
4.	Conferences	10

**9. Patents Published/ Granted during the year:** Nil

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

Sr.No.	Name of the Industry	Date of Visit	Faculty Coordinator	No. of Students
1.	Art and Aesthetics	February 13, 2023	Dr Reena Grewal and Ms Ankita Goel	24

**11. Sponsored R & D Projects:** Nil

**12. List of Consultancy Projects Completed:** Nil

**13. Details of MOUs signed by the Department:**

Sr.No.	Title of MoU	Academic Partner/ Industry	Duration	Date of MoU
1.	Academic Collaboration	Sanatana Dharma College (Lahore), Ambala Cantt.	3 years	19.09.2019

**14. List of Ph.D. s completed in the Department:** Nil

**15. List of Awards/ Achievements of the Faculty/Staff/Students:**

Sr.No.	Name of Faculty/Staff/Student	Name of awarding Agency(s)	Name of Award/Prize	Date of Receiving Award
1.	M.A. (English) Student: Ms Sanya Khetarpaul Roll no. HR03003438	UGC Percentile:99.92	Qualified NET	2022-23
2.	Ph.D. Scholar: Ms Babita Devi Roll no. PB01670082	UGC Percentile: 99.65	Qualified NET	2022-23

**16. Placement details of Students:**

Sr.No.	Name of Program	No. of eligible students	No. of students placed	Highest package	Average package
1.	MA (English)	55 since 2019	25	5 LPA	2 LPA

**Major Recruiters: Education Sector**

**17. Major Equipments/ Softwares Purchased:** Nil

**18. Higher Education data of students: Please check the excel book attached.:** Nil

**19. Academic and Extension activities of students:** Nil





## 20. Faculty served as Invited Speaker/Chair/Resource Person:

### Prof. Dr. Divyajyoti Singh

- Deliberated upon “Scientific Temper, Critical Thinking and History of Science and Technology in her Expert Lecture delivered on 23.08.2023 for University Orientation Programme held at JC Bose University of Science and Technology, YMCA, Faridabad.
- Expert Lecture on “Possibilities of Posthumanism: Reaffirmation/ Negation of Humanism” on 2.10.2023 at an International Conference organized by All India Forum for English Students.
- Expert lecture on “Breaking the Hermeneutic Hegemony” in an International Symposium on 25.10.2023 at SDNB Vaishnav College for Women, Chromepet, Chennai.
- Expert lecture on “Monologues that Create the Dialogic Text: Shakespeare and Speech” on 26.10.2023 at an International Conference organized by Kanoria PG Mahila Mahavidyalaya, Jaipur, University of Rajasthan in association with The Shakespeare Association India.
- Expert lecture was delivered on “Exploring the Native American Niche: Indigenous vis-à-vis-the Subaltern Perspectives” in a Three-Day International Seminar on 12.02.2023 organized by Ishwar Singh Mahavidyalaya, Pundari, Kaithal sponsored by DHE.
- Expert Lecture on “Shakespeare’s Sister, Bluestocking, Sororities, Walpurginacht and Brotherhoods: Patriarchal Worldviews on Witches and Women” in a National Conference organized by Aggarwal PG College.
- Expert Lecture on “Scientific Temper and Creative Thinking for Holistic Development: Sir Chhotu Ram” in an International Interdisciplinary Webinar on 07.08.2021 organised by Deenbandhu Chhotu Ram Memorial Education Society, New Delhi.
- A lecture on “Logical Fallacies in Media Discourse” was delivered in National Refresher Course on 13.12.2020 organised by UGC-HRDC.
- On the occasion of 12<sup>th</sup> Sir Chhotu Ram Memorial, a Lecture was delivered on 16.01.2020 at DAV Centenary in collaboration with Rashtriya Chetna Shakti Foundation.
- lecture on “Shifting Paradigms in the Teaching-Learning Scenario Post-Covid-19” on 09.07.2021 in a Two-Day International Conference at DAV Centenary College, Faridabad.
- Expert Lecture on Shakespeare was delivered on 20.02.202 at Aggarwal College.

### Ms. Mamta Bansal

Expert lecture was delivered in a Two-Day International Conference on “Future Human: Digital Frontiers in Posthumanist Discourse” on 02.10.2023 organized by AIFEST.

## 21. Faculty serving as Editors/Members of Editorial Boards:

Sr. No.	Name of Faculty/Staff	Name of Journal	Role	
1.	Dr Divyajyoti Singh	<i>Simulacra</i>	Editor-in-Chief	In-House, J.C Bose University of Science and Technology, YMCA Faridabad, Haryana.



**FACULTY  
OF  
INTERDISCIPLINARY STUDIES**





# CENTRE OF ENERGY STUDIES





## CENTRE OF ENERGY STUDIES

1. Name of the Chairperson: Prof. Arvind Gupta
2. New Programs offered by the Department: Nil
3. Details of Non-Teaching Staff:

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

4. Departmental Journal and Conference Publications: Nil
5. List of Publication in SCI/SCIE/Scopus Journals: Nil
6. Details of FDPs/ Workshops/Conferences/ Expert Lectures organized:

Sr. No	Name of the FDP/Workshop/Conference/ Expert Lecture	Dates and Duration	Beneficiary Count
1.	Workshop on “Sustainable Energy Solutions with Industrial Applications”	05.12,2022-06.12.2022	15
2.	Expert Lecture on “Energy Conservation for Sustainable Environment”	10.03.2023	08

7. FDP/STC/STPs/Workshop/Conference attended by the Faculty/Staff: Nil
8. Patents Published/ Granted during the year: Nil
9. Higher Education data of students

Name of the Student	Program Post Graduated from	Name of the Institution Joined	Name of the Program admitted to
Ashok Kumar Nehra	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.
Sunil Kumar Sharma	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.
Abhishek	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.
Bharat Bhushan Hasija	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.
P.S Teji	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.
Ajay Kuma Pareek	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.
Nitin Rastogi	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.



Kumaresh Som	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.
A K Sen	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.
Vikas Sharma	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.
Sanjay Taneja	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.
Mahesh Sachdeva	M.Tech. (Energy and Environment Engineering)	Manav Rachna University, Faridabad	Ph.D.



# **CENTRAL WORKSHOP (MECHANICAL ENGG.)**



### CENTRAL WORKSHOP (MECHANICAL ENGINEERING)

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.

### ORGANIZATION

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.

**Training conducted during the Academic Year 2022-23**

<b>Sr. No.</b>	<b>Name of the Training/Program</b>	<b>Date</b>	<b>Number of beneficiaries</b>
1.	Training Program of Daikin Air-Conditioning	22.11.2022	20
2.	Dealer Training program	25.11.2022	25
3.	Training Program of Air-Conditioning	28.11.2023	20

**NEW INITIATIVES:**

- Three New workshops have been introduced in the Central Workshop facility which includes Carpentry, Fountry 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





## COMMUNITY COLLEGE OF SKILL DEVELOPMENT

1. **Name of the Principal:** Dr. Sanjeev Goyal
2. **Name of the Vice Principal:** Mr. Nitin Goel
3. **Introduction:**

The Community College of Skill Development (CCSD) is an alternative system of education, which is aimed at the empowerment of the disadvantaged and the underprivileged – urban poor, rural poor, tribal poor and women – through appropriate skills development leading to gainful employment in collaboration with the local industry and the community and achieve skills for employment and self-employability of the above sections of people in the society. The Community College model is a flexible, open education system which is based on lifelong learning needs and is accessible to a large number of individuals of the community. It primarily focuses on imparting skill-based education on the models of National Occupational Standards (NOS). It provides Entrepreneurship Orientation to the students.

The Community College of Skill Development was started in the year 2013 with six-month Advance Certificate Course in Welding and Electrician. From session 2014-15, the college is offering one year diploma course in welding and electrician with intake of 50-50 students each. It had marked a special achievement with cent per cent placement of its students. In the session 2016-17, the College started Diploma in Refrigeration and Air-conditioning under MoU with Daikin. Then, in the session 2018-19, the College has started certificate courses, Diploma courses, Advanced Diploma and Bachelor in Vocation (B. Voc.) courses.

#### 4. 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. S. K. Garg	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.	Dr. Rajeev Kumar Singh	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. 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 CrporationLtd.
4.	Dr. Shilpa Sethi	Associate Professor, Department of Computer Engineering, JCBUST, YMCA
5.	Dr. Neha Goyal	Assistant Professor, Department of MBA, JCBUST, YMCA
6.	Dr. Sanjay Kumar	Assistant Professor, Department of Mechanical Engineering, JCBUST, YMCA
7.	Dr. Poonam Garg	Assistant Professor, Department of Computer Engineering, JCBUST, YMCA
8.	Dr. Praveen Kumar	Assistant Professor, DITE, Delhi
9.	Sh. Rajeev Sharma	AGM, JBM Group, Faridabad
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 2022-23 (Course Offered at PG Level):

Sr. No.	Courses	Duration	Intake	Student Admitted
1.	Data Science & Analytics	1 year	20	12
2.	Yoga Science & Naturopathy	1 year	50	11

### 7. Courses During the Year 2022-23 (Course Offered at UG Level):

Sr. No.	Courses	Duration	Intake	Student Admitted
1.	B. Voc. Web Development	3 years	50	50
2.	B. Voc. Automobile	3 years	50	50
3.	B. Voc. Electrical	3 years	50	46
4.	B. Voc. Manufacturing	3 years	50	42
5.	B. Voc. Automotive Manufacturing Technology (AMT)	3 years	60	-
6.	B. Voc. Banking, Finances Services and Insurance	3 years	60	60



### 8. Courses During the Year 2022-23 (Course Offered at Diploma Level):

Sr. No.	Courses	Duration	Intake	Student Admitted
1.	Web Designing	1 year	50	28
2.	Electrician	1 year	50	-
3.	Yoga and Naturopathy	1 year	50	16
4.	Refrigeration and Air Conditioning (RAC)	1 year	50	-

### 9. Passing And Placement Details:

Session	Name of the Diploma Course	Approved Intake	Total Passed	No. of Students Placed
2022-23	Diploma in Web Designing	50	16	Opted for Higher Studies
	Diploma in Yoga Science & Naturopathy	50	06	Self-employed.
	PG Diploma in Yoga Science & Naturopathy	50	07	Self-Employed
	PG Diploma in Data Science & Analytics	20	11	06 placed
	B. Voc Automobile	50	18	7 placed, 7 opted for higher studies and 4 preparing for Govt Jobs
	B. Voc Manufacturing	50	11	4 placed, 3 preparing for Govt Jobs
	B. Voc Electrical	50	16	5 placed, 2 opted for higher studies and 3 preparing for Govt Jobs
	B. Voc Web Development	50	26	7 placed, 9 opted for higher studies and 4 preparing for Govt Jobs
B. Voc Banking Finance Services and Insurance	60	48	10 placed, 10 opted for higher studies and 4 preparing for Govt Jobs	

### 10. Workshop/Stc/Invited Talks/Other Activities Conducted:

Sr. No.	Name of the Activity	Title	Name of the Expert	Designation and Association	Date
1.	Expert Lecture	KYC AML	Mr. Rajesh Khurana	Freelancer Trainer-BFSI, Retd. from HDFC Bank	14.12.2022



2.	Expert Lecture	Micro Finance and Operation	Mr. Deepak Goyal	Manager of Canara Bank	29.07.2023
3.	Expert Lecture	Tableu	Mr. Amarjeet Kumar	Traineer	19.05.2023

**11. Value Added Course Conducted:**

Sr. No.	Name of the VAC	Duration	Offered to	Dates
1.	Workshop on CNC Machine	45 Hours	B.Voc Manufacturing	06-10 Dec,2022

**12. Memorandum Of Understanding (MoU's) Signed:**

Sr. No.	Organization	Objective
1.	Hero Motor Corporation Limited.	Training and placement of students



## **ACADEMIC SECTION**



## ACADEMIC AND AFFILIATION DATA

## 1. Staff Details:

Sr. No.	Name	Designation/ Job Role
1.	Prof. Ashutosh Dixit	Dean, Academic Affairs
2.	Sh. Manish Gupta	Deputy Registrar
3.	Dr. JyotiMor	Assistant Registrar
4.	Sh. Sanjay Singh	Superintendent
5.	Sh. Ajay Sharma	Superintendent
6.	Sh. Satya Pal Kalyan	Personal Assistant
7.	Sh. Lalit Kumar	PA to Dean, Academic Affairs
8.	Ms. Richa Rani	Sr. Stenographer
9.	Ms. Sunita	Sr. Stenographer
10.	Sh. Balwan Singh	Clerk
11.	Sh. Kishan Singh	Clerk
12.	Sh. Varun	Peon
13.	Sh. Tulshi Ram	Peon

## 2. Programmes Offered:

Sr. No.	Name of the Programme	Department	Intake
1.	B.Tech. Computer Engineering	Computer Engineering	120
2.	B.Tech. Computer Engineering (Specialization in Data Science)		60
3.	B.Tech. Information Technology		60
4.	B.Tech. (Regional Course-Hindi) Computer Engg.		30
5.	B.Tech. Mechanical Engineering	Mechanical Engineering	120
6.	B.Tech. Robotics and Artificial Intelligence		30
7.	B.Tech. (Regional Course-Hindi) Mechanical Engg.		30
8.	B.Tech. Electrical Engineering	Electrical Engineering	60
9.	B.Tech. Electronics Engineering (Specialisation in IoT)	Electronics Engineering	60
10.	B.Tech. Electronics & Communication Engineering		60
11.	B.Tech. Electronics & Computer Engineering		60
12.	B.Tech. Civil Engineering	Civil Engineering	60
13.	B.Tech. Environmental Engineering	Environmental Science & Engineering	30
14.	BCA	Computer Applications	60
15.	B.Sc. (H) Physics	Physics	60
16.	B.Sc. (H) Mathematics	Mathematics	60
17.	B.Sc. Mathematics and Computing		10
18.	B.Sc. (H) Chemistry	Chemistry	60
19.	B.Sc. Life Sciences	Life Sciences	60
20.	BBA	Management Studies	60
21.	B.Com. (H)		60
22.	B.A. Journalism & Mass Communication	Communication & Media Technology	45
23.	Bachelor of Social Work		45
24.	B.Sc. Animation & Multimedia		35



25.	M.Tech. Mechanical Engineering (Specialisation in Manufacturing & Automation Technology)	Mechanical Engineering	18
26.	Certificate Course in Applied Mechanics & Product Design		10
27.	M.Tech. Power Electronics and Drives	Electrical Engineering	18
28.	M.Tech. Computer Engineering	Computer Engineering	18
29.	M.Tech. Computer Science & Engineering		18
30.	M.Tech. Electronics & Communication Engineering	Electronics Engineering	18
31.	M.Tech. VLSI Design		18
32.	M.Tech. Energy & Environmental Engineering	Center For Energy Studies	18
33.	MBA	Management Studies	120
34.	MBA Executive (Weekend Programme)		60
35.	MCA	Computer Applications	60
36.	M.Sc. Physics	Physics	60
37.	M.Sc. Mathematics	Mathematics	60
38.	M.Sc. Chemistry	Chemistry	60
39.	M.Sc. Environmental Sciences	Environmental Science & Engineering	35
40.	M.Sc. Bio Technology	Life Sciences	20
41.	M.Sc. Botany		20
42.	M.Sc. Zoology		20
43.	M.Sc. Microbiology		20
44.	M.Sc. Animation & Multimedia	Communication & Media Technology	20
45.	M.A. Journalism & Mass Communication		25
46.	M.A. English	Literature & Languages	35

### 3. New Programmes Started:

Sr. No.	Name of the Programme	Department	Intake
1.	B.Tech. (Regional Course-Hindi) - Computer	Computer Engineering	30
2.	B.Tech. (Regional Course-Hindi) - Mechanical	Mechanical Engineering	30
3.	Certificate Course in Applied Mechanics & Product		10
4.	B.Sc. Mathematics and Computing	Mathematics	10

### 4. Students Admitted: Category Wise

COURSE	B C	BC (A)	B C (B)	EW S	HOG C	P H	PH -F	ROH C	SC	SG C	TF W	Grand Total
B.Com. (Hons)	2	4	6	4	26			9	9	1		61
B.Sc. (Animation & Multimedia)		4		2	15			15	2			38
B.Sc. (Chemistry)		5	4	5	28			11	5			58
B.Sc. (Life Sciences)		4	5	2	21			15	5			52
B.Sc.	1	4	10	2	24			11	9			61



(Mathematics)												
B. Sc (Mathematics and Computing)		1	1		2			2	3	1		10
B.Sc. (Physics)		1	2	3	21			16	4			47
B.Tech. (Civil Engineering)	1			6	18			19	10		2	56
B.Tech. (Computer Engineering Hindi Medium)	3	2	1	3	14			9	2		1	35
B.Tech. (Computer Engineering with Specialization in Data Science)	6	4	3	6	17			26	13		2	77
B.Tech. (Computer Engineering)	3	16	10	13	52	3		39	19		5	160
B.Tech. (Electrical Engineering)	2	9	1	6	17			24	10			69
B.Tech. (Electronics & Communication Engineering)	2	5	6	2	11			37	11		1	75
B.Tech. (Electronics & Computer Engineering)	1	10	3	4	19			22	11		1	71
B.Tech. (Electronics Engineering)	7	3	2	7	30			14	9		3	75
B.Tech. (Environmental Engineering)	1				3			3	1			8
B.Tech. (Information Technology)		6	8	6	19	1		24	12		2	78
B.Tech. (Mechanical Engineering)	3	13	8	11	48			40	20		4	147
B.Tech. (Robotics and Artificial Intelligence)		3	2	3	10	1		10	6		1	36
B.A. (Bachelor of Social Work)					8			12				20
B.A. (Journalism & Mass Communication)		2	2	4	24			13	6			51
B.B.A.	1	9	5	4	23	1		8	10	1		62
B.C.A.		9	6	6	23		1	9	12			66
M.Sc. (Animation Multimedia)					3			2				5



M.Sc. (Biotechnology)		1	4	2	8			3	4	1		23
M.Sc. (Botany)			1		12			2	4			19
M.Sc. (Chemistry)		4	8	5	20			12	11	1		61
M.Sc. (Environmental Sciences)				2	8			14				24
M.Sc. (Mathematics)		1		4	22			23	3			53
M.Sc. (Microbiology)		3	1	1	11			3	3			22
M.Sc. (Physics)	1		1	5	22			18	3	1		51
M.Sc. (Zoology)			3	2	7			2	4	1		19
M.Tech. (Computer Science & Engineering)			2		10			1				13
M.Tech. (Electronics & Communications Engineering)					4							4
M.Tech. (Energy & Environmental Engineering)					2				1			3
M.Tech. (Mechanical Engineering Manufacturing and Automation Technology)					2			1	1			4
M.Tech. (Power Electronics & Drives)					1							1
M.Tech. (VLSI Design)					3			1				4
M.A. (English)		2	3		14			6	2			27
M.A. (Journalism & Mass Comm.)			1		9			11	2			23
MBA (MBA Executive)				1	13			10				24
MBA	1	16	10	12	49	2		19	21		5	135
MCA	1	8	6	2	30			10	8		3	68
<b>Grand Total</b>	<b>36</b>	<b>149</b>	<b>125</b>	<b>135</b>	<b>723</b>	<b>8</b>	<b>1</b>	<b>526</b>	<b>256</b>	<b>7</b>	<b>30</b>	<b>1996</b>

**5. Students on Roll in All Courses Category Wise:**

<b>PROGR M</b>	<b>TF W</b>	<b>S G C</b>	<b>SC</b>	<b>RO HC</b>	<b>P H ( F )</b>	<b>P H</b>	<b>F S</b>	<b>H O GC</b>	<b>E W S</b>	<b>COV ID AFF ECT ED</b>	<b>BC (B)</b>	<b>BC (A)</b>	<b>B C</b>	<b>Grand Total</b>
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B.Com. (Hons))		1	18	29				41	9		11	11	3	123
B.Sc. Animation &Multimedia		2	13	10		1		68	9		5	13		121
B.Sc. (Chemistry)		3	20	37				77	16		12	13	6	184
B.Sc. (Life Sciences)		1	6	37				49	7		8	3		111
B.Sc. (Mathematic)		2	30	36				79	11	1	14	14	6	193
B.Sc. Mathematics & Computing		1	2	2				3			1	1		10
B.Sc. (Physics)			13	56				73	11		6	9	1	169
B.Tech. (Civil Engineering)	9		39	82		1		70	18		5	11	2 4	259
B.Tech. (Computer Engineering Hindi Medium)	1		4	21				23	4		2	1	3	59
B.Tech. Computer Engineering with Specializatio n in Data Science	8		30	65		2		59	11		7	18	1 5	215
B.Tech. (Computer Engineering)	27		67	140		8	2	206	46		31	48	3 0	605
B.Tech. (EIC)	3		10	18				22	5		1	4	1 0	73
B.Tech. (Electrical Engineering)	6		37	98				66	17		9	21	2 2	276
B.Tech. (Electronics & Comm. Engineering)	8		35	104		2		67	16		15	20	1 7	284
B.Tech. (Electronics & Computer Engineering)	10		41	69				100	20		8	19	1 9	286
B.Tech. (Electronics Engineering)	6		26	56				66	12		8	13	1 9	206
B.Tech. (Envi. Engg.)			2	7				7	1				4	21
B.Tech. (Information	12		40	77		2		86	23		12	27	1 4	293



Technology)														
B.Tech. (Mechanical Engg. Hindi Medium)			2	1				5				1	9	
B.Tech. (Mechanical Engineering)	18		74	136				178	43		26	50	3 1	556
B.Tech. (Robotics and Artificial Intelligence)	1		11	24		1		17	2		5	6		67
BA (Bachelor of Social Work)			1	12				29				1		43
B.A. (Journalism & Mass Comm.)		1	16	15				89	7		5	6		139
BBA (BBA)		2	27	35		2		64	13		17	20	1 1	191
BCA (BCA)		2	29	33	1			78	14		13	20	1 1	201
M.Sc. (Animation Multimedia)			2	3				7	1		2			15
M.Sc. (BioTech.)		2	6	7				16	4		6	2	1	44
M.Sc. (Botany)			7	8				20	2		2	1		40
M.Sc. (Chemistry)		2	24	20				50	9		12	12	2	131
M.Sc. (Envi. Sciences)				31				23	5					59
M.Sc. (Maths)			11	31				59	8		7	4	2	122
M.Sc (Micro- biology)			5	7				22	2		1	4	1	42
M.Sc. (Physics)		1	11	31				47	9		6	9	1	115
M.Sc. (Zoology)		2	8	10				14	3		3	3		43
M.Tech. (Computer Science & Engineering)			2	9				15			2			28
M.Tech. (Electronics & Comm. Engineering)			2	1				3			1	1		8
M.Tech. (Energy & Envi. Engineering)				13				4						17



M.Tech. (Mechanical Engg. Manufacturing And Automation Technology)			2	3				8			1			14
M.Tech. (Power Electronics & Drives)				1				3						4
M.Tech. (VLSI Design)			1	2				4						7
M.A. (English)			2	8				29			5	3		47
M.A. (Journalism & Mass Comm.)		2	3	13				20			4			42
MBA (MBA Executive)				13				28						41
MBA I	8		30	27		2		73	17		13	30	1	201
MBA II	3	1	10	13				21	5		7	8		68
MCA (MCA)	6		17	20				57	6		13	17	1	137
<b>Grand Total</b>	<b>126</b>	<b>25</b>	<b>736</b>	<b>1471</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>214</b>	<b>386</b>	<b>1</b>	<b>306</b>	<b>444</b>	<b>2</b>	<b>5919</b>
						<b>1</b>		<b>5</b>					<b>5</b>	



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

PROGRAM	SEMESTE R -01		Tot al	SEMESTE R-03		Tot al	SEMESTE R-05		Tot al	SEMESTE R-07		Tot al	Gran d Total
	M	F		M	F		M	F		M	F		
B.Com. (Hons)	14	47	61	24	35	59							120
B.SC. (Animation and Multimedia)	21	17	38	26	18	44	29	10	39				121
B.SC. (Chemistry)	12	46	58	12	49	61	15	46	61				180
B.SC. (Life Sciences)	13	41	54	10	45	55							109
B.SC. (Mathematics)	17	44	61	27	40	67	24	40	64				192
B.SC. (Mathematics and Computing)	4	6	10										10
B.SC. (Physics)	19	28	47	25	33	58	17	46	63				168
B.Tech. (Civil Engineering)	34	13	47	52	11	63	56	17	73	60	15	75	258
B.Tech. (Computer Engineering Hindi Medium)	24	9	33	18	8	26							59
B.Tech. (Computer Engineering with Specialization in Data Science)	53	12	65	55	16	71	53	20	73				209
B.Tech. (Computer Engineering)	101	33	134	114	39	153	125	25	150	120	36	156	593
B.Tech. (EIC)										56	17	73	73
B.Tech. (Electrical Engineering)	43	20	63	50	18	68	51	18	69	61	13	74	274
B.Tech. Electronics & Communication Engineering	47	17	64	44	28	72	55	17	72	52	21	73	281



B.Tech. (Electronics & Computer Engineering)	47	18	65	55	16	71	57	19	76	55	16	71	283
B.Tech. (Electronics Engineering)	40	25	65	52	22	74	52	13	65				204
B.Tech. Environmenta l Engineering)	4	2	6	8	6	14							20
B.Tech. (Information Technology)	57	14	71	60	13	73	62	13	75	59	13	72	291
B.Tech. (Mechanical Engineering Hindi Medium)				9		9							9
B.Tech. (Mechanical Engineering)	115	15	130	119	22	141	122	19	141	113	24	137	549
B.Tech. (Robotics and Artificial Intelligence)	27	4	31	24	9	33							64
BA (Bachelor of Social Work)	15	5	20	11	12	23							43
BA (Journalism &Mass Communicati on)	24	27	51	20	28	48	17	23	40				139
BBA (BBA)	21	41	62	36	30	66	37	24	61				189
BCA (BCA)	34	32	66	34	33	67	39	27	66				199
M.SC. (Animation Multimedia)	2	3	5	8	2	10							15
MSC. Biotechnology	1	22	23	3	18	21							44
M.SC. (Botany)		19	19		20	20							39
M.SC. (Chemistry)	10	51	61	15	49	64							125
M.SC. (Environment al Sciences)	3	21	24	6	26	32							56
M.SC. (Mathematics)	9	44	53	22	40	62							115



M.SC. Microbiology	5	17	22	4	16	20							42
M.SC. (Physics)	10	41	51	22	41	63							114
M.SC. (Zoology)		19	19	1	19	20							39
M.Tech. (Computer Science & Engineering)	7	6	13	8	6	14							27
M.Tech. (Electronics & Communicati ons Engineering)	1	4	5	2	1	3							8
M.Tech. (Energy &Envorinmen tal Engineering)	1	2	3	14		14							17
M.Tech. (Mechanical Engineering Manufacturin g and Automation Technology)	3	1	4	7	3	10							14
M.Tech. (Power Electronics & Drives)	1		1	3		3							4
M.Tech. (VLSI DESIGN)	3	1	4	3		3							7
MA (English)	4	25	29	2	13	15							44
MA (Journalism & Mass Communicati on)	9	14	23	3	16	19							42
MBA (MBA Executive)	16	8	24	13	4	17							41
MBA I	72	63	135	35	30	65							200
MBA II				37	31	68							68
MCA (MCA)	41	27	68	36	32	68							136
<b>Grand Total</b>	<b>984</b>	<b>904</b>	<b>1888</b>	<b>1129</b>	<b>898</b>	<b>2027</b>	<b>811</b>	<b>377</b>	<b>1188</b>	<b>576</b>	<b>155</b>	<b>731</b>	<b>5834</b>



### 7. Sanctioned And Admitted Strength of Students - Programme Wise (1<sup>st</sup> Sem):

Course Name	Sanctioned Intake	Admitted
B.Com. (Hons.)	60	61
B.SC. (Animation and Multimedia)	35	38
B.SC. (Chemistry)	60	58
B.SC. (Life Sciences)	60	52
B.SC. (Mathematics)	60	61
B.SC. (Mathematics and Computing)	10	10
B.SC. (Physics)	60	47
B.Tech. (Civil Engineering)	60	46
B.Tech. (Computer Engineering Hindi Medium)	30	33
B.Tech. (Computer Engineering with Specialization in Data Science)	60	65
B.Tech. (Computer Engineering)	120	133
B.Tech. (Electrical Engineering)	60	61
B.Tech. (Electronics & Communication Engineering)	60	64
B.Tech. (Electronics & Computer Engineering)	60	65
B.Tech. (Electronics Engineering)	60	65
B.Tech. (Environmental Engineering)	30	6
B.Tech. (Information Technology)	60	71
B.Tech. (Mechanical Engineering)	120	130
B.Tech. (Robotics and Artificial Intelligence)	30	31
BA (Bachelor of Social Work)	45	20
BA (Journalism & Mass Communication)	45	51
BBA (BBA)	60	62
BCA (BCA)	60	66
M.SC. (Animation Multimedia)	20	5
M.SC. (Biotechnology)	20	23
M.SC. (Botany)	20	19
M.SC. (Chemistry)	60	61
M.SC. (Environmental Sciences)	35	24
M.SC. (Mathematics)	60	53
M.SC. (Microbiology)	20	22
M.SC. (Physics)	60	51
M.SC. (Zoology)	20	19
M.Tech. (Computer Science & Engineering)	18	13
M.Tech. (Electronics & Communications Engineering)	18	4
M.Tech. (Energy & Environmental Engineering)	18	3
M.Tech. (Mechanical Engineering Manufacturing and Automation Technology)	18	4
M.Tech. (Power Electronics & Drives)	18	1
M.Tech. (VLSI DESIGN)	18	4
MA (English)	35	27
MA (Journalism & Mass Communication)	25	23
MBA (MBA Executive)	60	24
MBA (MBA)	120	135
MCA (MCA)	60	68
<b>Grand Total</b>	<b>2028</b>	<b>1879</b>



## **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-

1. To provide financial assistance in the form of soft loans to EWS/needful students in association with MOB (Alumni Association).
2. 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.
3. 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. Lakhwinder Singh	Dean Student Welfare
2.	Dr. Harish Kumar	Deputy Dean Student Facility
3.	Ms. Lalita Arora	Assistant
4.	Mr. Hem Singh	Assistant
5.	Mr. Devender Singh	D.E.O
6.	Mr. Pawan Kumar	Peon

### 3. Details of Scholarships:

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



2.	National Scholarship Portal (NSP) Scholarships			
(a)	Pragati Scholarship Scheme for Girl Students (Technical Degree)	No limit of number of students	Rs.50000/- yearly	As per the norms of Scholarship Awarding Agency
(b)	Saksham Scholarship Scheme for especially Abled Student (Technical Degree)	No limit of number of students	Rs.50000/- yearly	As per the norms of Scholarship Awarding Agency
(c)	Aicte-Swanath Scholarship Scheme (Technical Degree)	No limit of number of students	Rs.50000/- yearly	As per the norms of Scholarship Awarding Agency
(d)	Central Sector Scheme of Scholarships for College and University Students	No limit of number of students	Rs.12000/- yearly	As per the norms of Scholarship Awarding Agency
(e)	National Means Cum Merit Scholarship	No limit of number of students	Rs.25000/- yearly	As per the norms of Scholarship Awarding Agency
(f)	Prime Minister's Scholarship Scheme for Central Armed Police Forces and Assam Rifles	No limit of number of students	Rs.36000/- yearly	As per the norms of Scholarship Awarding Agency
(g)	Prime Minister's Scholarship Scheme for Wards of States/UTs Police Personnel Martyred During Terror/Naxal Attacks	No limit of number of students	As per their norms	As per the norms of Scholarship Awarding Agency
(h)	Prime Minister's Scholarship Scheme For RPF/RPSF	No limit of number of students	As per their norms	As per the norms of Scholarship Awarding Agency
(i)	Post-Matric Scholarship for Students with Disabilities	No limit of number of students	As per their norms	As per the norms of Scholarship Awarding Agency



(j)	National Scholarship for Post Graduate Studies	No limit of number of students	Rs.30000/- to 36000/- yearly	As per the norms of Scholarship Awarding Agency
3.	<b>Scholarships from Private Organizations</b>			
(a)	Bharti Scholarship	20 students of B.Tech 1st year + 05 students for B.Tech-LEET (2nd year)	Tuition fee of every semester	B. Tech-1st year & B. Tech-LEET 2nd year Gril students on the basis of JEE Main Rank and Diploma + Online Entrance Test Rank (LEET)
(b)	Foundation for Excellence	No limit of number of students	40000 per student yearly	As per the norms of Scholarship Awarding Agency
4.	<b>Scholarships Provided by NGO/ Trust/MOB</b>			
(a)	Financial Assistance to economically weak/needy students (as a soft loan) by MOB (The Alumni Association)	No limit of number of students	Total fee (%age recommended by Chairpersons)	Financial assistance as a soft loan is provided to the students of the university of all courses with the reasons, i.e. Death of parent/critical illness for self/family member/loss of job/earning of parents etc.
(b)	VPM Scholarship by Vishwa Prakash Mission, Faridabad.	No limit of number of students	Tuition fee semester wise	As per the norms of Scholarship Awarding Agency
(c)	RKM Scholarship	No limit of number of students	Rs.4500/- yearly	As per the norms of Scholarship Awarding Agency



**AFFILIATION  
AND  
REGISTRATION SECTION**



**LIST OF COLLEGES OF PALWAL AND FARIDABAD  
AFFILIATED WITH J.C. BOSE UST, YMCA, FARIDABAD**

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, BallabgarhSohna Road, Faridabad
4. Delhi College of Technology & Management, 77 K.M. Stone, NH-2, Gudhrana, Palwal.
5. Echelon Institute of Technology, Village-Kabulpur, KheriManjhawali Road, Neharpar, Faridabad
6. National Power Training Institute, Faridabad
7. NGF College of Engineering & Technology, 71 K.M. Stone, DehiMathura Highway, NH-2, Palwal
8. Rawal Institute of Engineering & Technology, Sohna Road, Near Vill. Zakopur, Ballabgarh, Faridabad.
9. SatyugDarshan Institute of Engineering & Technology, Bhupani-Lalpur Road, Bhupani, Faridabad.
10. Shri Ram College of Engineering & Management, 70 K.M. Stone, DelhiMathura Road, NH-2, Palwal.
11. \*Satya College of Engineering & Technology, 72 K.M. Stone, DelhiMathura Road, NH-2, Distt. Palwal.
12. \*Delhi Institute of Technology, Management & Research, Vill. Firojpur Kalan, Sohna Road, Faridabad.
13. \*Rattan Institute of Technology & Management, 79 K.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: 1498
5. Seats increased/decreased by the College during the year:

Sr. No.	Name of Program	Previous Intake	Seats Increased/Decreased	Total Intake
1.	B. Tech - Computer Science & Engineering	90	60	150
2.	B. Tech - Computer Science and Engineering (Artificial Intelligence and Machine Learning)	30	30	60
3.	B. Tech - Mechanical Engineering	60	30	30
4.	B. Tech - Civil Engineering	60	30	30
5.	B. Tech - Electronics & Communication Engg.	60	30	30
6.	MBA	60	60	120

**6. Details of UG Courses:**

Name of Program	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

**7. Details of PG Courses:**

MBA	MBA	120
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### Advanced Institute of Technology & Management, Palwal

1. Name of the Director / Principal: Dr. R.R. Pandey
2. Total number of courses offered by the college: 14
3. Total number of intake of all courses: 675
4. Total student's strength in all courses: 732
5. New Courses started by the College during the year: No
6. Seats increased/decreased by the College during the year

Sr. No.	Name of Program	Previous Intake	Seats Increased/Decreased	Total Intake
1.	B. Tech - Computer Science & Engineering	60	60	120
2.	B. Tech - Civil Engineering	60	30	30
3.	M. Tech - Electronics and Communication Engineering	18	09	09

**7. Any Course discontinued by the College: No**

**8. Details of UG Courses:**

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

**9. Details of PG Courses:**

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



**B.S. Anangpuria Institute of Technology & Management, Faridabad**

1. **Name of the Director / Principal:** Dr. Roop Krishan Khar
2. **Total number of courses offered by the college:** 14
3. **Total number of intake of all courses:** 270
4. **Total student's strength in all courses:** 695
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:**

Sr. No	Program	Branch	No
1.	B. Tech	Electronics & Communication Engineering	30
2.	B. Tech	Computer Science & Engineering	60
3.	B. Tech	Mechanical Engineering	30
4.	B. Tech	Information Technology	30
5.	BBA	BBA	30
6.	BBA	Specialization in Financial Service & Banking	30
7.	BCA	Specialization in Data Science	30

**10. Details of PG Courses:**

MBA	MBA	30
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### Delhi College of Technology & Management, Palwal

1. **Name of the Director / Principal:** Dr. Rajeev Kumar
2. **Total number of courses offered by the college:** 11
3. **Total number of intake of all courses:** 474
4. **Total student's strength in all courses:** 521
5. **New Courses started by the College during the year:**

Sr. No.	Name of the Program	Intake
1.	BBA (Digital Marketing)	60

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

#### 8. Details of UG Courses:

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

#### 9. Details of PG Courses:

MBA	MBA	60
M. Tech	Computer Science and Engineering	12
M. Tech	Mechanical Engineering Design	12



### Echelon Institute of Technology, Faridabad

1. **Name of the Director / Principal:** Dr. Sudarshan Goswami
2. **Total number of courses offered by the college:** 10
3. **Total number of intake of all courses:** 744
4. **Total student's strength in all courses:** 995

5. **New Courses started by the College during the year:**

Sr. No.	Name of the Program	Intake
1.	BBA (Digital Marketing)	60
2.	BCA (Data Science)	60

6. **Seats increased/decreased by the College during the year:** No

7. **Any Course discontinued by the College:** No

8. **Details of UG Courses:**

B.Tech	Electronics & Communication Engineering	60
B.Tech	Computer Science & Engineering	150
B.Tech	Mechanical Engineering	90
B.Tech	Civil Engineering	60
BBA	BBA	120
BCA	BCA	120
BBA	Specialization in Digital Marketing	60
BCA	Specialization in Data Science	60

9. **Details of PG Courses:**

M. Tech	Computer Science and Engineering	12
M. Tech	Mechanical Engineering Design	12



**National Power Training Institute, Faridabad**

1. **Name of the Director / Principal:** Dr. Manju
2. **Total number of courses offered by the college:** 01
3. **Total number of intake of all courses:** 120
4. **Total student's strength in all courses:** 06
5. **New Courses started by the College during the year**

<b>Sr. No.</b>	<b>Name of the Program</b>	<b>Intake</b>
1.	MBA	120

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 UG Course
9. **Details of PG Courses:**

<b>MBA</b>	<b>Master of Business Administration</b>	<b>120</b>
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**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:** 13

3. **Total number of intake of all courses:** 624

4. **Total student's strength in all courses:** 886

5. **New Courses started by the College during the year:**

Sr. No.	Name of the Program	Intake
1.	BBA (Digital Marketing)	60
2.	BCA (Data Science)	60

6. **Seats increased/decreased by the College during the year**

Sr. No.	Name of Program	Previous Intake	Seats Increased/Decreased	Total Intake
1.	B. Tech - Civil Engineering	60	30	30

7. **Any Course discontinued by the College:** No

8. **Details of UG Courses:**

B. Tech	Electronics & Communication Engineering	60
B. Tech	Computer Science & Engineering	90
B. Tech	Mechanical Engineering	90
B. Tech	Civil Engineering	30
B. Tech	Electrical Engineering	30
B. Tech	Fashion and Apparel Engineering	30
BBA	BBA	60
BBA	Specialization in Digital Marketing	60
BCA	Specialization in Data Science	60

9. **Details of PG Courses:**

MBA	MBA	60
M. Tech	Computer Science & Engineering	18
M. Tech	Mechanical Engineering	18
M. Tech	Electronics and Communications Engineering	18



**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:** 257
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:**

B.Tech	Electronics & Communication Engineering	30
B.Tech	Computer Science & Engineering	120
B.Tech	Mechanical Engineering	60
B.Tech	Civil Engineering	30

9. **Details of PG Courses:** Nil



**Satyug Darshan Institute of Engineering & Technology, Faridabad**

1. **Name of the Director / Principal:** Dr. Sangeeta Trehan
2. **Total number of courses offered by the college:** 06
3. **Total number of intake of all courses:** 390
4. **Total student's strength in all courses:** 1130
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:**

<b>Name of Course</b>	<b>Branch</b>	<b>Intake</b>
B.Tech	Computer Science and Engineering	120
B.Tech	Mechanical Engineering	30
BBA	BBA	60
BBA	Specialization in Financial Services & Banking	120
BBA	Specialization in Digital Marketing	30
BCA	Specialization in Data Science	30

9. **Details of PG Courses:** Nil



**Shri Ram College of Engineering & Management, Palwal**

1. **Name of the Director / Principal:** Dr. S.K. Gupta
2. **Total number of courses offered by the college:** 12
3. **Total number of intake of all courses:** 480
4. **Total student's strength in all courses:** 506
5. **New Courses started by the College during the year**

Sr. No.	Name of the Program	Intake
1.	BCA	60

6. **Seats increased/decreased by the College during the year:** No
7. **Any Course discontinued by the College:** No
8. **Details of UG Courses:**

B.Tech	Electronics & Communication Engineering	30
B.Tech	Computer Science and Engineering	60
B.Tech	Mechanical Engineering	60
B.Tech	Civil Engineering	30
BBA	BBA	60
BCA	BCA	60

**9. Details of PG Courses :**

MBA	MBA	60
M. Tech	Computer Science and Engineering	24
M. Tech	Mechanical Engineering	24
M. Tech	Electronics & Communications Engineering	24
M. Tech	Computer Science & Engineering	24
M.Tech	Transportation Engineering and Management	24



## **EXAMINATION SECTION**





## EXAMINATION BRANCH

## 1. Staff Details:

Name	Designation
Prof. (Dr.) Hari Om	Controller of Examinations
Sh. Sachin Gupta	Asstt Registrar
Sh. Jogender Singh Gaud	Superintendent
Ms. Anuradha	Assistant
Sh. Rajiv Sharma	PA to COE
Ms. Jyoti Gaur	Assistant
Sh. Jaswant	Assistant
Sh. Mohit Sharma	Assistant
Sh. Raj kumar	Assistant
Ms. Babita Anand	Accountant
Ms. Pragya Rashmi	Clerk
Sh. Parveen Kumar	Clerk
Sh. Mahesh	Clerk
Sh. Chander Shekhar	Clerk
Sh. Puneet	Clerk
Sh. Surender kumar	Daftari

## 2. The Details of Students Who Appeared and Passed In Various Examinations held:

Dec- 22										
Course	Program	Year	Sem	Appeared			Passed			Pass %
				Boys	Girls	Total	Boys	Girls	Total	
B. Tech	Civil Engg. (002)	Dec.22	1 <sup>st</sup>	35	12	47	6	7	13	27.66
	Computer Engg. (003)			95	33	128	70	24	94	73.44
	Electrical Engg. (007)			42	21	63	9	8	17	26.98
	Electronics & Communication Engg. (008)			49	18	67	13	11	24	35.82
	Information Technology (011)			56	14	70	37	12	49	70.00
	Mechanical Engg. (013)			117	16	133	46	9	55	41.35
	Electronics & Computer Engg. (015)			47	16	63	22	11	33	52.38



	Computer Engineering with Specialization in Data Science (016)			51	11	62	37	11	48	77.42
	Electronics Engg. (017)			39	25	64	12	17	29	45.31
	B. Tech Robotics and Artificial Intelligence -020			5	28	33	2	10	12	36.36
	B. Tech Computer Engineering Hindi Medium-050			24	9	33	12	6	18	54.55
	B. Sc. Life Science-325			12	41	63	1	5	6	9.52
	B. Com. Bachelor of Commerce (Hons.)-352			15	49	64	11	45	56	87.50
	BA Bachelor of Social Work-353			15	5	20	3	5	8	40.00
<b>BBA</b>	BBA	Dec.22	1 <sup>st</sup>	23	41	64	19	40	59	92.19
<b>BCA</b>	BCA	Dec.22	1 <sup>st</sup>	36	32	68	29	28	57	83.82
<b>B.SC (P)</b>	B.SC Physics (321)			19	28	47	9	21	30	63.83
<b>B.SC (CH)</b>	B.SC Chemistry (322)			12	50	62	4	39	43	69.35
<b>B.SC (M)</b>	B.SC Mathematics (323)	Dec.22	1 <sup>st</sup>	18	44	62	5	29	34	54.84
<b>B.SC (AM)</b>	B.SC Animation (324)			21	17	38	10	15	25	65.79
<b>BA (JMC)</b>	BA Journalism & Mass Communication (351)			24	27	51	14	24	38	74.51



<b>M.Tech</b>	Computer Science & Engg. (504)	Dec.22	1 <sup>st</sup>	8	6	14	4	5	9	64.29
	Electronics & Communications Engg. (505)			1	3	4	1	3	4	100.00
	Energy & Environmental Engg. (520)			1	2	3	1	1	2	66.67
	VLSI Design (511)			3	1	4	2	1	3	75
	Mechanical Engineering Manufacturing and Automation Technology (524)			1	2	3	1	1	2	66.67
<b>MA (JMC)</b>	MA Journalism & Mass Communication (771)	Dec.22	1 <sup>st</sup>	9	14	23	9	11	20	86.96
<b>MA (Eng)</b>	MA English (772)	Dec.22	1 <sup>st</sup>	3	26	29	2	17	19	65.52
<b>MBA</b>	MBA (701)	Dec.22	1 <sup>st</sup>	64	72	136	61	59	120	88.24
	MBA Executive (704)			16	8	24	12	7	19	79.17
<b>MCA</b>	MCA (602)	Dec.22	1 <sup>st</sup>	40	27	67	18	19	37	55.22
<b>MSC (CH)</b>	M.Sc Chemistry (751)	Dec.22	1 <sup>st</sup>	11	54	65	3	32	35	53.85
<b>MSC (P)</b>	M.Sc Physics (752)			10	42	52	8	23	31	59.62
<b>MSC (M)</b>	M.Sc Mathematics (753)			9	51	60	5	25	30	50.00
<b>MSC (EVS)</b>	M.Sc Environmental Science (754)			5	22	27	2	14	16	59.26
<b>MSC (BT)</b>	M.Sc Biotechnology			1	22	23	1	20	21	91.30



	gy (755)									
<b>M.Sc. Botany</b>	M.Sc Botany (756)			0	20	20	0	15	15	75.00
<b>M.Sc. Zoology</b>	M.Sc Zoology (757)			1	22	23	0	17	17	73.91
<b>M.Sc. (Bio)</b>	M.Sc Microbiology (758)			5	17	22	2	13	15	68.18
<b>M. Sc. (AM)</b>	M. Sc. Animation Multimedia -759			2	3	5	2	3	5	100.00
<b>B.Tech</b>	Civil Engg. (002)	Dec.22	3 <sup>rd</sup>	51	11	62	17	6	23	37.10
	Computer Engg. (003)			114	39	153	95	27	122	79.74
	Electrical Engg. (007)			49	17	66	19	9	28	42.42
	Electronics & Communication Engg. (008)			44	28	72	15	15	30	41.67
	Information Technology (011)			58	13	71	50	12	62	87.32
	Mechanical Engg. (013)			118	22	140	40	9	49	35.00
	Electronics & Computer Engg. (015)			55	16	71	21	9	30	42.25
	B. Tech. Computer Engineering with Specialization in Data Science-016			54	16	70	45	16	61	87.14
	B. Tech. Electronics Engineering -017			50	22	72	18	12	30	41.67
<b>BBA</b>	BBA	Dec.22	3 <sup>rd</sup>	36	30	66	32	30	62	93.94
<b>BCA</b>	BCA	Dec.22	3 <sup>rd</sup>	34	33	67	22	23	45	67.16
<b>B.SC (P)</b>	B.SC Physics	Dec.22	3 <sup>rd</sup>	23	23	46	12	17	29	63.04



	(321)									
<b>B.SC (CH)</b>	B.SC Chemistry (322)			11	49	60	3	25	28	46.67
<b>B.SC (M)</b>	B.SC Mathematics (323)			23	40	63	6	33	39	61.90
<b>B.SC (AM)</b>	B.SC Animation (324)			25	18	43	15	18	33	76.74
<b>B. Sc. (LS)</b>	B. Sc. Life Science-325	Dec.22	3 <sup>rd</sup>	10	45	55	3	19	22	40
<b>BA (JMC)</b>	BA Journalism & Mass Communication (351)	Dec.22	3 <sup>rd</sup>	20	28	48	10	26	36	75.00
<b>B. Com</b>	B. Com. Bachelor of Commerce (Hons.)-352	Dec.22	3 <sup>rd</sup>	25	35	60	18	29	47	78.33
<b>BA</b>	BA Bachelor of Social Work-353	Dec.22	3 <sup>rd</sup>	11	12	23	10	12	22	95.65
<b>M. Tech.</b>	M. Tech. Computer Science & Engineering -504	Dec.22	3 <sup>rd</sup>	8	6	14	8	6	14	100.00
	Electronics & Communications Engg. (505)			2	1	3	2	1	3	100.00
	Power Electronics & Drives (518)			3	0	3	3	0	3	100.00
	VLSI Design (511)			3	0	3	3	0	3	100.00
	M. Tech. Energy & Environmental Engineering -520			14	0	14	14	0	14	100.00



	M. Tech Mechanical Engineering Manufacturing and Automation Technology -524			7	3	10	3	0	3	42.86		
<b>MA (J)</b>	MA Journalism & Mass Communication (771)	Dec.22	3 <sup>rd</sup>	3	16	19	3	15	18	94.74		
<b>MA (Eng)</b>	MA English (772)	Dec.22	3 <sup>rd</sup>	2	13	15	1	13	14	93.33		
<b>MBA</b>	MBA (701)	Dec.22	3 <sup>rd</sup>	34	30	64	33	29	62	96.88		
	MBA Specialization (703)			37	31	68	36	31	67	98.53		
	MBA Executive (704)			13	4	17	13	4	17	100.00		
<b>MCA</b>	MCA (602)		3 <sup>rd</sup>	36	32	68	31	28	59	86.76		
<b>MSC (CH)</b>	M.Sc Chemistry (751)	Dec.22	3 <sup>rd</sup>	13	49	62	9	47	56	90.32		
<b>MSC (P)</b>	M.Sc Physics (752)			21	40	61	13	34	47	77.05		
<b>MSC (M)</b>	M.Sc Mathematics (753)			22	40	62	18	34	52	83.87		
<b>MSC (EVS)</b>	M.Sc Environmental Science (754)			6	26	32	6	25	31	96.88		
<b>M. Sc. (BT)</b>	M. Sc. Biotechnology-755			3	17	20	3	17	20	100.00		
<b>M. Sc. (Botany)</b>	M. Sc. Botany-756			0	20	20	0	15	15	75		
<b>M. Sc. (Zoology)</b>	M. Sc. Zoology- 757			1	19	20	1	18	19	95		
<b>M. Sc. (Microbiology)</b>	M. Sc. Microbiology-758			4	16	20	3	14	17	85		
<b>B.Tech</b>	Civil Engg. (002)			Dec.22	5 <sup>th</sup>	56	17	73	29	16	45	61.64



	Computer Engg. (003)			125	25	150	105	24	129	86.00
	Electrical Engg. (007)			51	18	69	17	4	21	30.43
	Electronics & Communication Engg. (008)			54	18	72	43	14	57	79.17
	Information Technology (011)			62	13	75	34	9	43	57.33
	Mechanical Engg. (013)			116	19	135	89	15	104	77.04
	B. Tech. Electronics & Computer Engineering -015	Dec.22	5 <sup>th</sup>	57	19	76	44	17	61	80.26
	B. Tech. Computer Engineering with Specialization in Data Science-016	Dec.22	5 <sup>th</sup>	53	20	73	48	17	66	90.41
	B. Tech. Electronics Engineering -017	Dec.22	5 <sup>th</sup>	52	13	65	42	10	52	80
<b>BBA</b>	BBA	Dec.22	5 <sup>th</sup>	37	24	61	32	24	56	91.80
<b>BCA</b>	BCA	Dec.22	5 <sup>th</sup>	39	27	66	26	23	49	74.24
<b>B.SC (P)</b>	B.SC Physics (321)			17	46	63	11	40	51	80
<b>B.SC (CH)</b>	B.SC Chemistry (322)	Dec.22	5 <sup>th</sup>	15	46	61	7	21	28	45.90
<b>B.SC (M)</b>	B.SC Mathematics (323)			24	40	64	13	36	49	76.56
<b>B.SC (AM)</b>	B.SC Animation (324)			28	9	37	28	9	37	100
<b>BA (JMC)</b>	BA Journalism & Mass	Dec.22	5 <sup>th</sup>	17	23	40	13	21	34	85.00



	Communication-351									
	B. Tech. Civil Engineering -002			60	15	75	53	15	68	90.67
<b>B.Tech</b>	Computer Engg. (003)	Dec.22	7 <sup>th</sup>	120	36	156	114	36	150	96.15
	Electrical Engg. (007)			61	13	74	47	12	59	79.73
	Electronics & Communication Engg. (008)			52	21	73	40	20	60	82.19
	Electronics, Instrumentation & Control Engg. (009)			56	17	73	39	15	54	73.97
	Information Technology (011)			59	13	72	55	13	68	94.44
	Mechanical Engg. (013)			113	24	137	106	22	128	93.43
	B. Tech. Electronics & Computer Engineering (15)				55	16	71	53	16	69
	<b>May- 23</b>									
Course	Program	Year	Sem	Appeared			Passed			Pass %
				Boys	Girls	Total	Boys	Girls	Total	
<b>B. Tech.</b>	B. Tech. Civil Engineering-002	May-23	2 <sup>nd</sup>	36	13	49	8	7	15	30.61
	B. Tech. Electronics & Communication Engineering-008			48	17	65	25	13	38	58.46
	B. Tech. Information Technology-011			57	14	71	57	14	71	100





	B. Tech. Mechanical Engineering-013			114	15	129	44	9	53	41.09
	B. Tech. Electronics & Computer Engineering-015			47	18	65	28	13	41	63.08
	B. Tech. Environmental Engineering-019			54	12	66	42	10	52	78.79
	B. Tech Robotics and Artificial Intelligence-020			27	4	31	7	1	8	25.81
	BBA-301	May-23	2 <sup>nd</sup>	21	41	62	19	41	60	96.77
	BCA-311	May-23	2 <sup>nd</sup>	33	31	64	24	26	50	78.13
	B. Sc. Animation and Multimedia-324	May-23	2 <sup>nd</sup>	21	17	38	12	15	27	71.05 <sub>3</sub>
	B. Sc. Physics (321)	May-23	2 <sup>nd</sup>	19	28	47	4	17	21	44.68
	B. Sc. Chemistry (322)	May-23	2 <sup>nd</sup>	12	46	58	1	26	27	46.55
	B. Sc. Life Science (325)	May-23	2 <sup>nd</sup>	12	40	52	10	33	43	82.69
	B. Sc. Mathematics (323)	May-23	2 <sup>nd</sup>	18	44	62	8	32	40	64.52
	B. Sc. Mathematics and Computing (326)	May-23	2 <sup>nd</sup>	3	6	9	1	5	6	66.67
	B. Com. Bachelor of Commerce (Hons.)- 352	May-23	2 <sup>nd</sup>	14	47	61	12	45	57	93.44



	M. Tech. Computer Science & Engineering-504	May-23	2 <sup>nd</sup>	7	6	13	5	5	10	76.92
	M. Tech. Energy & Environmental Engineering-520			1	1	2	1	0	1	50
	M. Tech Mechanical Engineering Manufacturing and Automation Technology-524			3	1	4	3	1	4	100
	M. Tech Power Electronics & Drives-518	May-23	2 <sup>nd</sup>	1	0	1	1	0	1	100
	MBA-701	May-23	2 <sup>nd</sup>	72	63	135	62	60	122	90.37
	MBA Executive-704			16	8	24	13	8	21	87.5
	M. Sc. Physics- 752	May-23	2 <sup>nd</sup>	10	41	51	6	20	26	50.98
	M. Sc. Mathematics-753			8	43	51	6	29	35	68.63
	M. Sc. Environmental Science-754			2	22	24	2	17	19	79.17
	M. Sc. Zoology- 757	May-23	2 <sup>nd</sup>	0	19	19	0	19	19	100
	M. Sc. Microbiology -758			5	17	22	2	14	16	72.73
	M. Sc. Animation Multimedia-759			1	3	4	1	3	4	100
	MA English-772	May-23	2 <sup>nd</sup>	3	23	26	1	18	19	73.07 7



<b>B. Tech</b>	B. Tech. Electrical Engineering-007	May-23	4 <sup>th</sup>	49	17	66	21	11	32	48.48
	B. Tech. Computer Engineering (003)			116	39	155	97	33	130	83.87
	B. Tech. Electronics & Communication Engineering-008			44	27	71	22	20	42	59.15
B. Tech. Mechanical Engineering (013)	118			22	140	71	18	89	63.57	
B. Tech. Electronics & Computer Engineering (15)	55			16	61	31	12	43	70.49	
B. Tech. Computer Engineering with Specialization in Data Science-016	53			16	69	38	15	53	76.81	
<b>M.Tech</b>	Computer Engg. (502)			1	0	1	1	0	1	100
	M. Tech. Computer Science & Engineering-504			9	6	15	8	6	14	93.3
	Power Electronics & Drives (518)			3	0	3	3	0	3	100
	M. Tech. Energy & Environmental Engineering-520	14	0	14	14	0	14	100		
	M. Tech Mechanical Engineering	3	0	3	3	0	3	100		



	Manufacturing and Automation Technology-524									
<b>MCA</b>	MCA 2 Year-602	May-23	4 <sup>th</sup>	36	32	68	36	32	68	100
<b>MBA</b>	MBA (701)	May-23	4 <sup>th</sup>	34	30	64	34	30	64	100
	MBA Specialization (703)			39	31	70	37	31	68	97.14
	MBA Executive (704)			13	4	17	13	4	17	100
<b>MSC (CH)</b>	M.Sc Chemistry (751)	May-23	4 <sup>th</sup>	12	48	60	10	47	57	95
<b>MSC (P)</b>	M.Sc Physics (752)			21	40	61	17	38	55	90.16
<b>MSC (M)</b>	M.Sc Mathematics (753)			22	40	62	16	32	48	77.42
<b>MSC (EVS)</b>	M.Sc Environmental Science (754)			6	26	32	6	25	31	96.8
<b>M. Sc. (BT)</b>	M. Sc. Biotechnology-755			3	17	20	3	13	16	80
<b>M. Sc. Botany</b>	M. Sc. Botany-756			0	21	21	0	20	20	95.2
<b>M. Sc. Zoology</b>	M. Sc. Zoology-757			1	18	19	1	17	18	94.7
<b>M. Sc. (Microbiology)</b>	M. Sc. Microbiology-758			4	16	20	3	12	15	75
<b>M. Sc. Animation on Multimedia</b>	M. Sc. Animation Multimedia-759			May-23	4 <sup>th</sup>	8	2	10	8	2
<b>MA (JMC)</b>	MA Journalism & Mass Communication-771	May-23	4 <sup>th</sup>	3	16	19	3	16	19	100
<b>MA English</b>	MA English-772	May-23	4 <sup>th</sup>	2	13	15	2	13	15	100
<b>BBA</b>	BBA (301)	May-23	4 <sup>th</sup>	30	32	62	23	27	50	80.6



<b>BCA</b>	BCA (311)	May-23	4 <sup>th</sup>	33	34	67	31	30	61	91.04
<b>B.SC (M)</b>	B.SC Mathematics (323)	May-23	4 <sup>th</sup>	23	40	63	8	30	38	60.3
<b>B.SC (AM)</b>	B.SC Animation (324)			24	18	42	17	14	31	73.8
	B. Sc. Physics (321)	May-23	4 <sup>th</sup>	23	31	54	14	19	33	61.11
	B. Sc. Chemistry (322)	May-23	4 <sup>th</sup>	11	50	61	4	29	33	54.09
	B. Sc. Life Science (325)	May-23	4 <sup>th</sup>	10	44	54	3	21	24	44.44
<b>BA (JMC)</b>	BA Journalism & Mass Communication (351)	May-23	4 <sup>th</sup>	22	29	51	17	26	43	84.31
<b>B.Tech</b>	Civil Engg. (002)	May-23	6 <sup>th</sup>	57	17	64	36	15	51	79.6
	B. Tech. Computer Engineering (003)			125	25	150	113	25	138	92
	Electrical Engg. (007)			51	18	69	23	16	39	56.52
	B. Tech. Information Technology (011)	May-23	6 <sup>th</sup>	62	13	75	55	13	68	90.67
	B. Tech. Mechanical Engineering (13)	May-23	6 <sup>th</sup>	117	19	136	101	14	115	84.56
	B. Tech. Electronics & Communication Engineering-008	May-23	6 <sup>th</sup>	54	18	72	46	16	62	86.11
	B. Tech. Electronics Engineering (17)	May-23	6 <sup>th</sup>	52	13	65	48	13	61	93.85



<b>BBA</b>	BBA			37	24	61	33	24	57	93.4
<b>BCA</b>	BCA	May-23	6th	32	25	57	29	25	54	94.74
<b>B.SC (P)</b>	B.SC Physics (321)	May-23	6th	17	46	63	11	38	49	77.7
<b>B.SC (CH)</b>	B.SC Chemistry (322)			15	46	61	15	43	58	95.08
<b>B.SC (M)</b>	B.SC Mathematics (323)			24	40	64	15	35	50	78.1
<b>B.SC (AM)</b>	B.SC Animation (324)			28	9	37	27	9	36	97.30
<b>BA (JMC)</b>	BA Journalism & Mass Communication-351	May-23	6th	17	23	40	17	23	40	100
<b>B.Tech</b>	B. Tech. Civil Engineering (002)	May-23	8th	60	15	75	60	15	75	100
	Computer Engg. (003)			120	37	157	120	36	156	99.3
	Electrical Engg. (007)			60	13	73	60	13	73	100
	B. Tech. Electronics & Communication Engineering (008)			53	21	74	53	21	74	100
	Electronics, Instrumentation & Control Engg. (009)			56	16	72	56	16	72	100
	Information Technology (011)			59	13	72	58	13	71	98.61
	Mechanical Engg. (013)			113	24	137	113	24	137	100



## **STUDENT ACTIVITIES/CLUBS/COUNCIL**



## DEAN STUDENT WELFARE

### 1. Introduction:

The Student Welfare Cell is highly committed to excellence of its students in co-curricular activities such as cultural/ Technical and sports. The university has made significant progress in establishing sports facility in 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:

Designation Name of Faculty involved in student welfare activities:

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

### 3. Details Of Clubs, Faculty Coordinators & Student Coordinators:

Sr. No.	Name of Club	Name of Faculty Coordinator / Co-coordinator	Contact No. of Faculty Coordinator / Co-ordinator	Name of J. Sec. (Student Coordinator)	Contact number of J. Sec.
<b>Cultural Clubs</b>					
1.	Tarunnam	Dr. Jyotsana Chawla	9990234880	Ritika, Pranjal	8920490563, 9971771819
2.	Niramayam	Sh. Sachin Gupta (AR Exams), Dr. Jyoti Mor (AR Academics)	9896048093, 9560150070	Aashish, Chetan, Manjeet, Khushi	8076710143 8278112717 8570941628 8569818289
3.	Vividha	Dr. Sangeeta Dhall, Ms. Lavita Virmani	9910747602, 9050939606	Vinit, Dakshita	8053776082, 8826008462
4.	Nataraja Western	Dr. Rashmi Popli, Ms. Raveena	9810862658, 9999984364	Niharika, Divya	8700309567, 9650449231





5.	Nataraja Haryanvi			Jyoti, Kajal	9050558673, 8307793703
6.	Nataraja Bhangra			Ankit, Komal	9671547402 9812171728
7.	Jhalak	Dr. Umesh Kumar	9810794167	Nakshatra	8570051907
8.	Srijan	Dr. Preeti Sethi	9810374948	Vishal, Akshay, Paras	8527857803 9466047854 9896738045
9.	Ethiccraft Club	Dr. Kalpana Sheokand, Dr. Lalit Mohan Goyal, Anubha Gautam	8920544024, 8882212748, 9990287227	Kunal, Elesh	9873789074, 7082629964
10.	Vivekanand Manch	Prof. Pradeep Dimri, Dr. Suraj Goyal	9968433183, 9417728292	Siddharth Jha, Deepika yadav, Shubham Sharma	7763932756 7015212116 7206019193
11.	Ananya, the Unparalleled	Dr. Ashlesha Gupta	9891466310	Dwarkesh, Shruti	9873051066 7012666613
12.	Vasundhra Eco-Club	Dr. Renuka Gupta	9999692469		
13.	Eklavya Club			Prince	9729790482
14.	IEEE	Dr. Rashmi Aggarwal, Dr. Mamta Kathuria, Dr. Lalit Mohan Goyal	9891595209, 7015106142, 8882212748	Daniyal, Anjali, Asif	6287912722 7295807292 9560491809
15.	Mechnext	Dr. Sanjay Kumar	7838721130	Vinayak, Mohit, Nishant	9625942216 9518643781 7988365704
16.	Microbird	Dr. Mukesh Garg, Ms. Poulami Jana	9891553044, 9818318345	Ayush Das, Manasvi, Gupta	9958529389 7838758159
17.	Samarpan	Dr. Manju Kumari, Ms. Rachna Dhir	9891659175, 8585972708	Pulkit, Mangla, Akanksha	9971815790 8586016230
18.	Manan	Mr. Piyush Gupta	7988088606, 9541650297	Sameer, Sourav	9650697358 7206802301
19.	GDSC	Dr. Parul Tomar, Dr. Ved Pal		Himanshi	9070999550
20.	SAEBAJA	Dr. Mahesh Chand,	9999917830, 9716792955,	Jasika	9518065506
21.	SAE IJYA	Dr. Krishan	9711812394	Sahil, Ankit	9818275245 7404962482



22.	SAE SUPRA	Verma, Dr. Nikhil Dev		Aaditiya, Reeshab, Shaurya	9467404512 8377817397 8448140532
23.	NCC	Dr. Krishan Verma, Dr. O. P. Mishra	9896596710, 9818602901		
24.	NSS	Prof. Pradeep Dimri	9968433183	Nitin, Satish	7988234409, 9667785484
25.	YRC	Dr. Navish Kataria, Dr. Pooja	9017125821, 7289087736		

#### 4. Events Organised:

Date of Event / Competition	Name of the Event/Competition
09.07.2022	Seher-e-Rukhsat'22
09.07.2022	Positive thinker course
10.07.2022	Ask Me Anything
11.07.2022	World Population Day
16.07.2022	One day trip - Iskcon Delhi
18.07.2022	Quiz on Ideology of Nelson Mandela
21.07.2022	Appreciation Certificate by Income Tax Department
21.07.2022	Mega Blood Camp at Income Tax Department
22.07.2022	Volunteerism and national building
22.07.2022	Identifying and Building upon Your Strengths
23.07.2022	Graphic Designing Workshop
26.07.2022	Poster Making Competition on Kargil Vijay Diwas
26.07.2022	Kargil Vijay Diwas
27.07.2022	Codechef
27.07.2022	Art of Circuit-PCB designing workshop
28.07.2022 -30.07.2022	Tech Aarambh, Innovaion, Tech Aarambh, Circuit Mania, CTF, poster Disginig
29.07.2022	Nukkadnatak: बिजलीमहोत्सव
01.08.2022 -07/08/2022	World Breastfeeding Week
10.08.2022	Filmora
12.08.2022	Har Ghar Tiranga Campaign
15.08.2022	Independence Day Celebration
21.08.2022 - 23.08.2022	Technoxian
01.09.2022 -05.09.2022	Escalade 11.0
09.09.2022	Youth Red Cross Awarded by IRCS, Haryana State Branch
12.09.2022 - 17.09.2022	Poshan Maah 2022
15.09.2022	National Technology Day 2023
15.09.2022	YRC State level Adventure Camp for Boys
16.09.2022	Foundation Day Celebration
17.09.2022 - 18.09.2022	ROS



28.09.2022	53 <sup>rd</sup> NSS Foundation Day Celebration
01.10.2022	Pace Yourself Place Yourself 2.0
03.10.2022	Wordphilia
03.10.2022 - 02.11.2022	We War Word
10.10.2022 -13.10.2022	NAAC Visit Dance Performance, Exhibition, Club Presentation
14.10.2022	District Level Yuva Utsav
14.10.2022	Viplava Event: Quiz Competition, Model exhibition won best decoration prize in Viplava
14.10.2022	Thomso'22 Sargam IITR
16.10.2022	Building Blocks of Robotics
16.10.2022	Old age home visit
16.10.2022	Vishal Bhandara
18.10.2022	Automobile Propulsion System
20.10.2022	Jashn-e-diwali Craftophila Rangrat
21.10.2022	Nukkad Natak
25.10.2022	LC Graffiti 22
31.10.2022 - 06.11.2022	Vigilance Awareness Week
01.11.2022	YRC State level Training Camp For Girls
02.11.2022	3D Printing Workshop
03.11.2022	Insurrection
05.11.2022	HACKED – Open theme Hackathon
06.11.2022	Line Follower Bot
14.11.2022	Child Labour Day
15.11.2022	NAAC
15.11.2022	ZUMBA -on Induction
18.11.2022	Induction
19.11.2022	Blockchain Workshop
19.11.2022	Club presentation on Induction
19.11.2022	Induction Program Performance
19.11.2022	Induction Programme
19.11.2022	Student Induction Programme
19.11.2022	Induction 2022
19.11.2022	Student Induction
19.11.2022	Monoact: आँखोकातारा
19.11.2022	Induction Programme Tarannum
19.11.2022	Orientation at Induction Program
19.11.2022	Induction Program
20.11.2022	Induction 2022
25.11.2022	Nukkadnatak: मतदानकापर्व
25.11.2022 - 24.12.2022	Hall of Fame
27.11.2022	Vihaan'22 War of Bands Bimtech University
28.11.2022	Vaad Vivaad "A Debate Competition"



29.11.2022	Linkedin
30.11.2022	Debate Competition
01.12.2022	AIU Trials
02.12.2022	Planning for Four years
05.12.2022	Crossroads, a Conventional Debate for Freshers
18.12.2022	Fresher's Reizo 2022-23, YMCA's Got Talent, Dance Performance, Zumba performance,
18.12.2022	Comedy skit: Babli badmash
28.12.2022 - 28.01.2023	Technerd
02.01.2023	Self Manager Course
10.01.2023- 13.01.2023	YUVAIANT 3.0
20.01.2023	Workshop on SolidWorks
22.01.2023	Ajay Sports Meet
24.01.2023	YRC State level Training Camp For Boys
25.01.2023	National Voters Day
26.01.2023	Republic Day Celebration
27.01.2023	NSS Board Inauguration
28.01.2023	Introduction to microcontroller
03.02.2023	Women Day
05.02.2023	NSS x Nanhi Udaan NGO event
06.02.2023	Auditions'23
13.02.2023	Invictuse'23
15.02.2023	Annual Mayapur & Jagannath Puri Yatra Camp
16.02.2023	Blood Donation Camp
20.02.2023	YRC District level Training Camp
20.02.2023	7 Day Training Camp
02.03.2023	Women's Day
04.03.2023	Poetry on the occasion of Women's Day
10.03.2023	Rendezvous23
13.03.2023	Monoact: Man of the house
20.03.2023	Road Safety Awareness Program
22.03.2023	Hawan Ceremony on the occasion of- Navvikram Samvat
22.03.2023	Techkriti 2023
24.03.2023	Expert Lecture on Navvikram Samvat and Article Writing Competition
25.03.2023	FURORE
26.03.2023	Performed Drama in Youth Festival organized by Iskcon Delhi
26.03.2023	Project Prayas
26.03.2023	Project Annapurna
26.03.2023	World of Iort
26.03.2023	YLTC DAY-6
29.03.2023	Technical Team Workshop
31.03.2023	Browsing Arduino Workshop



02.04.2023	BITS Pilani-Yuva Samvad
06.04.2023	IEEE Explore
11.04.2023	CAD Designing, Web Designing
13.04.2023	Baisakhi 2023
15.04.2023	Study Marathon at EthicCraft Center
19.04.2023	Tarang'22 Tarannum
19.04.2023	Health Check up Campaign on World Liver Day
20.04.2023	YRC District level Training Camp
22.04.2023	Earth Day Cleanliness Drive
26.04.2023	D2F Workshop
27.04.2023	External Session by MicrobirdFor Ramanujan College, Delhi University
27.04.2023	Investiture Ceremony
28.04.2023	MISSION PANCH
29.04.2023	District Level Yoga
04.05.2023	Sketching workshop 2023
05.05.2023	Painting workshop 2023
06.05.2023	Workshop on Prototype. Process Design and Development
11.05.2023	National Technology Day 2023
14.05.2023	SIEP Hero E-Bike Challenge
27.05.2023	Performed Mime Act in Kalajali at India Gate
28.05.2023	Performed Shadow Act in Kalajali at India Gate
28.05.2023	Introduction to Development
04.06.2023	Introduction to Competitive Programming
11.06.2023 - 13.06.2023	ElevateX
19.06.2023	YRC State level Adventure Camp For Girls
21.06.2023	Yoga day
22.06.2023	Java Jam
24.06.2023	Figma
25.06.2023	YRC State level Adventure Camp For Boys
26.06.2023	Game Dev
29.06.2023	Illustrator

### 5. Student Achievements:

Sr. No.	Name Of the Event	Inter-University/ State/ National/ International	Name Of The Award/ Medal	Name Of The Student
<b>Samarpan</b>				
1.	National Engineers Day 2022	University	2 <sup>nd</sup> Position at Project Presentation	Adityapal, Mishali, Himanshu
2.	National Engineers Day 2022	Inter- University	3 <sup>rd</sup> Position at project presentation	Pulkit, Pankaj, Khushi
3.	Speed 2022	Inter- University	Best project award	Pankaj, Himanshu



				Pulkit, Vishal
4.	Exhibition Organised on Renewable Energy and Energy Conservation	University	2 <sup>nd</sup> Position	Somya, Vaibhav, Suchet Kumar
5.	Micro- Contoal at BEVEST23 Bhartiya Vidhyapeeth University	Inter- University	2 <sup>nd</sup> Position	Pankaj, Pratham
6.	Techkriti 2023 IIT Kanpur	National	2 <sup>nd</sup> Position	Adityapal, Mishali, Himanshu Tejus, Anshul
7.	Ideathon By IIC	University	3 <sup>rd</sup> Position	Aditya, Pankaj, Adarsh
8.	Hackkrmu 2.0 by K. R. Mangalam University	Inter- University	IoT winner	Himanshu, Niyati, Vishal, Anshul
9.	Srijan Senior by Manav Rachna Univ.	Inter- University	2 <sup>nd</sup> Position	Chirag, Somya, Vaibhav, Dhruv
<b>Tarannum</b>				
10.	Thomso' 22 IIT Roorkee	Inter- University	Participation	Shivam Sharma
<b>IEEE</b>				
11.	Duplicates	Inter- University	2 <sup>nd</sup> Position	Chirag, Nishant, Pankaj, Aayush
12.	CTF	Inter- University	2 <sup>nd</sup> Position	Nishant, Lakshay
13.	Connexions 2.0 (Digiweek )	Inter- University	2 <sup>nd</sup> Position	Daniyal, Jawed
14.	Bizblog- Digital Blog Writing Contest in Digi Fiesta 2022 by UCC	Inter-University	Winner	Yashik Taneja
15.	Hareda	State	2 <sup>nd</sup> Position	Asif Sheikh, Dhruv, Wazir
16.	Hack -A- Preneur	National	2 <sup>nd</sup> Position	Dinesh Malda, Hemang
17.	Esummit IIIT Delhi Zero to One Hackathon	National	2 <sup>nd</sup> Position	Dinesh Malda, Suhani, Shrutika
18.	IDEATHON	College	2 <sup>nd</sup> Position	Dinesh Malda, Sahil, Pragya
19.	Jodhpur University Hackathon	National	Selected in top 10 teams in india	Dinesh Malda, Suhani
20.	Kavach	Inter University	2 <sup>nd</sup> Position	Dinesh Malda, Shrutika
<b>IJZA</b>				
21.	SIEP HERO E-Bike Challenge	National	Runner up for off - road test	Vipul, Mayank, Vivek, Tarun, Navdeep, Abhi,



				Saurav, Bhavya, Anish, Dhruv, Harshit, Apoorv, Anant, Shushant, Sahil
22.	SIEP HERO E-Bike Challenge	National	The Future award	Ankit, Kshitij, Indroneel, Vishal, Kunal.
<b>Microbird</b>				
23.	Tech Aarambh (Tech Innovation)	National	1 <sup>st</sup> Position	Garima, Saket, Vikas, Jayant, Suryansh
24.	Tech Aarambh (Circuit Mania)	National	1 <sup>st</sup> Position	Pragati
25.	Tech Aarambh (Circuit Mania)	National	2 <sup>nd</sup> Position	Harshit, Khush
26.	Tech Aarambh (CTF)	National	1 <sup>st</sup> Position	Himanshu Saini
27.	Tech Aarambh (Poster Designing)	National	1 <sup>st</sup> Position	Jayant Bhatia
28.	Escalade 11.0 (IIT GUWAHATI)	National	Top – 6	Ayush, Debanshu, Manasvi, Parag
29.	HACKED – Open Theme Hackathon (B M L Munjal University)	National	1 <sup>st</sup> Position	Himanshu
30.	Line Follower Bot (B M L Munjal University)	National	2 <sup>nd</sup> Position	Somay, Harshit, Jatin, Bhagyesh
31.	Line Follower BoT (DTU)	National	3 <sup>rd</sup> Position	Vikas, Jatin, Deepanshu
32.	Circuit Clash (BVCOE)	National	2 <sup>nd</sup> Position	Rohan Bansal
33.	Robo Soccer (BVCOE)	National	3 <sup>rd</sup> Position	Bhagyesh, Debanshu, Parag
34.	Fly Sky (BITS PILANI)	National	2 <sup>nd</sup> Position	Ayush, Bhagyesh, Debanshu, Parag
35.	Robo Soccer (BITS PILANI)	National	3 <sup>rd</sup> Position	Ayush, Bhagyesh, Debanshu, Manasvi, Parag, Nitin, Rajat
36.	Pragyan 2k23	National	1 <sup>st</sup> Position	Nitin, Rajat
37.	Pragyan 2k23	National	2 <sup>nd</sup> Position	Parag ,Debanshu
38.	Pragyan 2k23	National	2 <sup>nd</sup> Position	Jatin , Ayush Singh
<b>Mechnext</b>				
39.	Techkirti-22 IIT Kanpur	Inter- University	Finalist	Ayush , Tarun



40.	Aakriti-22	Inter- University	1 <sup>st</sup> Position	Umesh Kumar
41.	Designosis IIT-Dhanbad	Inter- University	1 <sup>st</sup> Position	Umesh Kumar, Ayush
42.	Unversity Level	Inter- University	Participation	Umesh
43.	Escalade11.0 IIT Guwahati	Inter- University	Finalist	Rakshit, Vinayak, Tanya, Astik
44.	Xpecto-22 IIT Mandi	Inter- University	Participation	Umesh
45.	CAD Star 2.0 IIT Jammu	Inter- University	Result not yet	Umesh, Ayush
46.	CAD it Out, IIT Madras	Inter- University	1 <sup>st</sup> Position	Umesh, Ayush
47.	CAD Pro, IIT Hyderabad	Inter- University	Participation	Umesh, Tarun
48.	Sandrover-22 IIT Kharagpur	Inter- University	Top-25	Ayush, Umesh, Vivek, Paras
49.	CAD Venture PEC Chandigarh	Inter- University	2 <sup>nd</sup> Position	Umesh
50.	D-Sign IIT Palakkad	Inter-University	Finalist	Umesh
51.	Vikalpa-22 VIT Vellore	Inter-University	Top-5	Umesh, Animesh
52.	Shaastra-22 IIT Madras	Inter-University	Participation	Umesh
53.	Cepheus-22 IIT Goa	Inter-University	1 <sup>st</sup> Position	Umesh, Ayush Vivek, Animesh
54.	Escalade-10 IIT Gauahati	Inter-University	Top-25	Paras, Ayush Harsh, Rakshit
55.	WRC	International	Finalist	Ayush, Simran, Sushant, Umesh
56.	Malhaar-22 BPIT	Inter-University	Finalist	Vinayak, Mohit, Krishan, Raunak, Tanya, Sushani, Mihir, Naman
57.	Cognizance IIT Roorkee	Inter-University	Finalist	Umesh, Tarun, Ayush
58.	Samsung Solve For Tomorrow	National	Goodies and certificate top 30	Naman Sethi, Preana Mittal
59.	WRC	International	Finalist	Ayush, Mohit, Krishan
60.	ESAY 23 IIT Delhi	Inter-University	Finalist	Mohit, Krishan
61.	GDSC Jodhpur	Inter-University	Top -10	Shivam, Divyanshu, Jahanvi
62.	Cognizance-23 IIT Roorkee	Inter-University	Finalist	Shivam, Sumit, Swati, Shubham
63.	Techkirti-23 IIT Kanpur	Inter-University	1 <sup>st</sup> Position	Vivek, Mohit, Krishan
64.	Boeing	Inter-University	Finalist	Vivek
65.	Cadastra-23 IIT Jodhpur	Inter-University	Top-5	Mohit, Krishan





66.	Tech Festival And Project Showcasing Manav Rachna	Inter-University	Finalist	Naman Sethi, Preana Mittal, Divyanshu
<b>SAE SUPRA</b>				
67.	Supra SAE INDIA2022	National	Best girl participant award	Rakshit, Himanshu, Srishti, Ravinder, Lokesh, Sunil, Reeshab
68.	Supra SAE INDIA2023	National	All INDIA Rank 5 in cost report	Rakshit, Himanshu, Srishti, Ravinder, Lokesh, Sunil, Reeshab, Gagan, Raghav
<b>Ananya</b>				
69.	JDMC Delhi University Debate Competition 2022	National	2 <sup>nd</sup> Position	Chirag Tyagi
70.	Lady Irwin DU Debate Competition	National	Ist speech competition	Chirag Tyagi
71.	Civil Department Debate Competition	University	Special mention	Chirag Tyagi
72.	NAAC Peer Team Visit	University	Main anchor	Chirag Tyagi
73.	District Chess Tournament	Inter-University	Silver medal	Chirag Tyagi
74.	Speak For India , Debate Comp	National	Qualified for state level	Chirag Tyagi
75.	SRB Memorial Debate, Indraprastha college For Women	Inter-University	2 <sup>nd</sup> Position	Chirag Tyagi
76.	Sumegha Gulati Debate DCAC, DU	National	2 <sup>nd</sup> Position	Chirag Tyagi, Shruti, Harsh Suri
77.	Writer's Pocket, New Delhi	National	Best book publication	Tanvi
78.	Life's Like That Magazine	National	Best entry (month)	Tanvi
79.	Songs Of The Sky Magazine	National	Best entry (month)	Tanvi
80.	BPIT Debate, Delhi	Inter-University	Best team	Arya Mishra, Dwarkesh
81.	BPIT Debate, Delhi	Inter-University	Best speaker	Niharika
82.	Hindustani Basha Academy	Inter-University	5 <sup>th</sup> Position	Alka
83.	Ram Lal Anandclg, DU (Debate)	Inter-University	Consolation prize	Alka
84.	K.L.Mehta National Level Debate	National	Consolation prize	Alka
85.	The Wordings Magazine	University	Poem published	Alka



86.	Indian Oil Essay Writing Competition	National	1 <sup>st</sup> Position	Alka
87.	Department Of Media	University	1 <sup>st</sup> Position	Alka
88.	Inter-Department Symposium	University	1 <sup>st</sup> Position	Rudraa Aggarwal
89.	Apogee Event, Yuva Samaad Event BITS Pilani	National	3 <sup>rd</sup> Position	Rudraa Aggarwal, Dev Khokkar
90.	MAIMS Model United Nations (UNCSW)	State	Special Mention	Ishaanvi
<b>Niramayam</b>				
91.	Faridabad District Open Yogasana Championship	District Level	Gold medal	Chetan
92.	Faridabad District Open Yogasana Championship	District Level	Silver medal	Rahul
<b>Vividha</b>				
93.	Leiothrixshayri Competition	Inter-University	1 <sup>st</sup> Position	Dakshita Bhatia, Sahil Kaushik
94.	Kargil Vijay Diwas - Poem Writing Competition	Inter-University	2 <sup>nd</sup> Position	Dakshita Bhatia
95.	BIJLI MAHOTSAV	District	Performance	Dakshita Bhatia, Sahil Kaushik
96.	Kuch Alfaz - A Storytelling Competition	Inter-University	1 <sup>st</sup> Position	Sahil Kaushik
97.	Nehru Yuva Samvaad	District Level	3 <sup>rd</sup> Position	Dakshita Bhatia
98.	National Voters Day	District Level	Performance as instructed by electoral literacy club	Dakshita Bhatia, Sahil Kaushik
<b>Vividha</b>				
99.	State Level YRC Orientation Workshop	State Level	2 <sup>nd</sup> Position	Dr Sushil Kumar Panwar
100.	7th Day Training Camp YRC	State Level	Participation	Dr Navish Kataria
101.	District Red Cross Camp	State Level	Best youth male award	Chirag
102.	Dance Competition During 7 <sup>th</sup> Day Camp	State Level	3 <sup>rd</sup> Position	Jyoti Divanshi
103.	Adventure Camp For YRC	State Level	Best counselor award	Dr Navish Kataria
<b>Ethiccraft</b>				
104.	Debate in Camp	University	1 <sup>st</sup> Position	Himanashu,



				Kunal, Prince, Bhavesh
105.	GD In Yoga Retreat	Inter-University	1 <sup>st</sup> Position	Praduman, Radesh, Yatin, Saura, Ritwik
106.	Presentation	University	1 <sup>st</sup> Position	Nitin, Yatin, Praduman
107.	Presentation	University	2 <sup>nd</sup> Position	Sarthak, Dev
108.	Presentation	University	3 <sup>rd</sup> Position	Deepanshu, Priyanshu, Radesh
109.	Viplava Quiz	National	Top – 6	Himanshu
110.	Viplava Model Making	National	3rd Position	Rajat, Praduman, Nitin
111.	Book Distribution In Youth	National	Best award	Elesh
112.	Poem Writing Competition By Dharini, DSC DU	Inter-University	1 <sup>st</sup> Position	Dakshita, Bhatia
<b>Eklavya</b>				
113.	Open Sports Meet BITS Pilani (Javelin)	Sports Fest	1 <sup>st</sup> Position	Yash Raj
114.	Open Sports Meet BITS Pilani 500 M Boy	Sports Fest	3 <sup>rd</sup> Position	Chitranjan
115.	Open Sports Meet BITS Pilani 200 M Boy	Sports Fest	2 <sup>nd</sup> Position	Vijay Thakur
116.	Open Sports Meet BITS Pilani 400m Boy	Sports Fest	3 <sup>rd</sup> Position	Abhishek
117.	Open Sports Meet BITS Pilani 200m Boy	Sports Fest	2 <sup>nd</sup> Position	Jai Singh
118.	Open Sports Meet BITS Pilani Taekwando	Sports Fest	2 <sup>nd</sup> Position	Dev Prakash
119.	AIU Fencing Championship	AIU	Participation	Ananya
120.	MDU Boxing	State University	Participation	Bharti
121.	3 <sup>rd</sup> Elite Women Haryana Boxing Championship 2022	State University	2 <sup>nd</sup> Position	Bharti
122.	National Boxing Championship Haryana	State University	Gold medal	Bharti
123.	22 <sup>nd</sup> All Haryana State Kickboxing Championship 2023	State University	Gold medal	Bharti
124.	SPARDHA 2022 (IIT)	Inter-University	1 <sup>st</sup> Position	Preet Nagar, Ashok



	BHU, Varanasi) Kabbadi			Kumar, Prashant, Tinku Tanwar, Mohan Bhardwaj, Aman, Manoj, Dharmendara, Arjun
125.	SPARDHA 2022 (IIT BHU, VARANASI) Chees	Inter-University	2 <sup>nd</sup> Position	Yash Magoo, Deepak Poonia, Chirag Soni, Jatin, Rajat Kaul
126.	National Sports Fest SPARDHA JKL University	Inter-University	Winner	Anish, Himanshu, Aman, Preet, Prashant
127.	Sports Fest Varchas'22- Iit Jodhpur (Volleyball)	Inter-University	Gold medal	Rishabh, Sharma, Shivam, Kaushik, Gaurav Kumar, Shivam Bhati
128.	Sports Fest VARCHAS'22- Iit Jodhpur (200 m)	Inter-University	Bronze medal	Vijay
129.	All India North Zone Basketball Championship	Inter-University	Participation	Rishabh Sharma, Shivam Kaushik, Gaurav Kumar, Shivam Bhati
130.	All India Inter- University Fencing Championship	Inter-University	Participation	Ananya, Raghav
131.	All India Inter- University Boxing Tournament	Inter-University	Participation	Navdeep Singh, Himanshu, David, Kunal Jakhar
132.	North Zone Kabaddi Championship	Inter-University	Participation	Preet Nagar, Ashok Kumar, Prashant, Tinku Tanwar, Mohan Bhardwaj, Aman, Manoj, Dharmendara, Arjun
133.	All India Inter- University Archery Championship	Inter-University	Participation	Nischay Sharma, Neeraj, Rishabh, Vashisht
134.	All India Inter- University Karate Championship	Inter-University	Participation	Saloni, Pradeep, Sandeep Kumar, Yash, Manoj
135.	All India Inter- University Taekwondo (Men) Championship	Inter-University	Participation	Dev Prakash, Dikshant, Bhardwaj
136.	All India Inter- University	Inter-University	Participation	Anchal Tiwari



	Taekwondo (Women) Championship			
137.	All India Inter-University Shooting Championship	Inter-University	Participation	Rudra Pratap, Choudhary
138.	AIU Kick Boxing 63Kg	Inter- University	2 <sup>nd</sup> Position	Dev Prakash
139.	AIU Kick Boxing 69Kg	Inter-University	3 <sup>rd</sup> Position	Om Tewatia
<b>Manan</b>				
140.	ICPC	International	Regionalist	Devashish, Kshitiz
141.	BMU Hackathon	Inter University	1 <sup>st</sup> Position	Sourav, Nakshatra
142.	CSS Battle Competition	Open for All	2 <sup>nd</sup> Position	Chirag
143.	Duplicates (Time Bound Clone Developing Competition)	Open for All	2 <sup>nd</sup> Position	Chirag
144.	UCC Hackathon	Open for All	2 <sup>nd</sup> Position	Ayush Sharma
145.	Code Fury	Open for All	2 <sup>nd</sup> Position	Anubhav



## VIVEKANAND MANCH

### 1. Introduction:

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

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

### 2. Constitution:

Sr.	Name and Designation	Responsibility
1.	Dr. Pradeep Dimri, Professor (Electronics Engg.)	Coordinator
2.	Dr. Suraj Goyal, Assistant Professor (Mathematics)	Co-Coordinator

### 3. Student Members:

Sr.	Name	Responsibility
1.	Haridyal (B.Tech. IT 4 <sup>th</sup> Year)	Secretary
2.	Jatin (B.Tech. E&C 4 <sup>th</sup> Year)	Secretary
3.	Jaishree (B.Tech. C &DS 4 <sup>th</sup> Year)	Secretary
4.	Ankiet (B.Tech. EL 4 <sup>th</sup> Year)	Secretary
5.	Monkia (B.Tech. ECE 3 <sup>rd</sup> Year)	Joint Secretary
6.	Deepika (B.Tech. ECE 3 <sup>rd</sup> Year)	Joint Secretary
7.	Shubham (B.Tech. E&C 3 <sup>rd</sup> Year)	Joint Secretary
8.	Sidharth (B.Tech. ME 3 <sup>rd</sup> Year)	Joint Secretary

### 4. Events/Activities:

Sr. No.	Name of Activity	Date
1.	Each One Feed One	11.09.2022
2.	Expert lecture on Universal Brotherhood Day	11.09.2022
3.	Poem on Foundation Day	16.09.2022
4.	Old age home visit	16.10.2022
5.	Jashn -e- Diwali	20.10.2022
6.	Zumba performance on induction	15.11.2022
7.	Vaad Vivad- a debate competition	18.11.2022
8.	Zumba performance on Reizo'22	18.12.2022
9.	Yuvaliant 3.0 (Yuvaa- Utsah Naye Bharat ka)	10.01.2023-13.01.2023
10.	Expert lecture on Hindu Nav Vikram Samvat	24.03.2023
11.	Mission Panchi	04.05.2023



## UNNAT BHARAT ABHIYAN

### 1. INTRODUCTION:

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

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

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

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

- I. Shikarga
- II. Sahrawak
- III. Tajpur
- IV. Tilorikhadar
- V. Rajpurkalan

### 2. CONSTITUTION:

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

### 3. EVENTS / ACTIVITIES:

Sr. No.	Name of Activity	Date
1.	Tree Plantation Drive, "Paudha Mera Dost"	14.07.2022-15.07.2022
2.	Felciatation of villagers over 75 years of age	15.05.2022
3.	Panch Pran activity on Earth Day	21.04.2023
4.	Seminar on G-20: Environment and climate sustainability	21.04.2023
5.	Pledge for planet through LiFE	16.05.2023



## IEEE YMCA SB

### 1. Introduction:

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

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

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

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

### 2. Constitution:

Designation Name of Faculty involved in student welfare activities:

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

### 3. Events / Activities:

Sr. No.	Name of Activity	Number of Participants	Date
1.	IEEE Xplore	250	06.04.2023
2.	JAVA Jam	60	22.06.2023
3.	Figma Fiesta	60	24.06.2023
4.	Game Development	65	26.06.2023
5.	Illustrator Mastery	68	29.06.2023
6.	Python Power Hour	70	01.07.2023
7.	Technoxian World Robotics Championship	30	25.07.2023- 27.07.2023
8.	Digitalization and Basics of Computers for Rural Women and Government School Girls	150	28.08.2023- 04.09.2023
9.	IEEE DAY: <ul style="list-style-type: none"> <li>i. Pokemon Hunter</li> <li>ii. Technerd</li> <li>iii. 3.0 Canvas Chronicles</li> <li>iv. Algo-Rhythm</li> </ul>	600 206 114 188	04.10.2023- 10.10.2023
10.	Ideacraft	50	16.10.2023





#### 4. Achievements:

- i. Dinesh & Sumit of our student branch won 1<sup>st</sup> prize in SERB INAE Hackathon Jadavpur University.
- ii. Dhruv and Asif of our student branch won third prize at Hareda organized by the Electrical Engineering department of J. C. Bose University of Science and Technology, YMCA, Faridabad, Haryana.
- iii. Jagriti, Meenu, and Sumit of our student branch won the 2<sup>nd</sup> prize at Samadhan 2.0 organized by Bits Pilani
- iv. Daniyal, Asif, and Narayanof our student branch won incubation and mentorship at Samadhan 2.0 organised by Bits Pilani.
- v. Anshika and Prerna of our student branch won incubation and mentorship at Samadhan 2.0 organised by Bits Pilani.
- vi. Shubham Singla of our student branch won the JK PAL award from the IEEE Delhi Section.
- vii. Bhargavi Sharmaof our student branch was awarded with **Outstanding Student WIE (Women in Engineering)** award by the IEEE Delhi Section.
- viii. Narayan Pandey of our student branch was also awarded with **Outstanding Student** award by the IEEE Delhi Section.
- ix. Daniyal Jawed of our student branch won 3<sup>rd</sup> prize in CONNEXIONS organized by UCC Ccell.
- x. Hemang Bhalla of our student branch won 2<sup>nd</sup> prize at Prometeo 2024 held at IIT Jodhpur.
- xi. Also many students of our student branch won various prizes at different competitions organized by various colleges and brought glory to IEEE YMCA.



## **CENTRAL FACILITIES**



## CENTRAL INFRASTRUCTURAL FACILITIES

### 1. INTRODUCTION:

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

<b>Total occupancy during the Academic Year 2022-23:</b>	Averagely 80% during all working days.
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### 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.

<b>Occupancy during the Academic Year 2022-23:</b>	70% during all working days.
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### 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.

<b>Occupancy during the Academic Year 2022-23:</b>	100% during all working days.
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### 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.

<b>Occupancy during the Academic Year 2022-23:</b>	About 80 percent during all working days.
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## **PLACEMENT OF STUDENTS**



## EMPLOYMENT AND TRAINING OFFICE

## 1. Constitution:

Sr. No.	Name and Designation	Responsibility
1.	Prof. (Dr.) Sanjeev Kumar	Training and Placement Officer
2.	Dr. Jyoti Verma	Dy. Training and Placement Officer
3.	Mr. Prashant Kumar	Assistant Training & Placement Officer
4.	Dr. Preeti Sethi	Assistant Training & Placement Officer
5.	Dr. Ashima Sharma	Assistant Training & Placement Officer

## 2. Placement Record:

Branch	Total students (A)	Eligible & Interested students (B)	Total Offer	Placeme nt % with intern (H/B)	Min Package (LPA)	Max. package (LPA)	Average (LPA)
B. Tech CE	155	149	145	97.32	4	45	13.37
B. Tech IT	71	67	61	91.04	4	52	13
B. Tech ECE	74	59	42	71.19	4	18	7.89
B. Tech EIC	73	42	27	64.29	3.6	9.5	5.2
B. Tech EL	73	46	44	95.65	3.23	12	4.37
B. Tech Mech.	134	115	113	98.26	3	12	5.93
B. Tech Civil	75	50	27	54.00	4	9.5	6.96
B. Tech ENC	70	64	39	60.94	3	40	6.25
Total	725	592	498	84.12	3.69	22.57	8.10

## 3. Students Placed in Major Companies During Year:

Sr. No.	Name of Company	Pay Package (INR)
1	Maruti Suzuki India Ltd	888000
2	Samsung	1550000
3	JSW	950000
4	Honda Cars India ltd	600000
5	Sona comstar	400000
6	Escorts Kubota Limited	600000
7	Sonar Technologies International Pty Ltd	700000
8	Triumphmotorcycles	700000
9	Yamaha motor India	860000
10	McDermott	600000



## **UNIVERSITY CELLS/ COUNCILS**



## INTERNAL QUALITY ASSURANCE CELL (IQAC)

### 1. Introduction:

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

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

### 2. Objectives Of IQAC:

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

### 3. Functions of IQAC:

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

The functions of the IQAC at the University include:

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

### 4. Constitution of IQAC:

Current constitution of IQAC was notified on 10/08/2022 and is valid for two years.

Sr. No.	Name	Designation
1.	Vice Chancellor, J. C. Bose UST, YMCA, Faridabad	Chairman
2.	Registrar, J. C. Bose UST, YMCA, Faridabad	Member



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

#### 5. MEETINGS/ACTIVITIES OF IQAC:

Sr. No.	Activities/Meetings	Date of Conduct
1.	Conduct 15 <sup>th</sup> IQAC meeting	13.01.2022
2.	Orientation Program for Newly inducted staff	10.08.2022
3.	NAAC peer team visit for Cycle-2	10.10.2022
4.	Organized an Introductory and Awareness Session for newly inducted officials of IQAC Office	07.12.2022
5.	Conduct 16 <sup>th</sup> IQAC meeting	21.03.2023
6.	Verification of score for Promotion under CAS cases	As and when cases were received during the Year
7.	Conduct of Administration and Academic Audit	June-2023
8.	Conduct of Feedbacks on curricula and follow-up action	In Process
9.	Conduct of 360degree feedback through departments	June-2023
10.	Conduct of ISO certification	Done





## ALUMINI AFFAIR CELL

### 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.

### Constitution:

Sr. No.	Name and Designation	Responsibility
6.	Dr. Vikram Singh	Dean
7.	Dr. Shruti Mittal	Coordinator
8.	Mr. Rajdeep	Assistant

### 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.

### Events / Activities:

1.	Green Initiative for Haryaliparv	08-08-2022
2.	Entrepreneurship Promotion Conclave on the occasion of 'World Entrepreneur's Day'	23-08-2022
3.	Golden Jubilee reunion for the 1974 batch	15-09-2022
4.	Foundation Day Celebration Distinguished Alumni Award Felicitation.	16-09-2022
5.	Orientation and Interaction Session	15-11-2022
6.	Alumni Interaction Session on Career Guidance	01.12.2022
7.	Alumni Get Together (RAC Brach)	15.10.2022
8.	YMCA MOB Gurugram Chapter Meet	29.10.2022
9.	Media Tech. Portfolio Exhibition	19-12-2022
10.	YMCAMOB Faridabad Chapter Meet	27.05.2023



Academic Activities Conducted by the Cell (01/07/2022 TO 30/06/2023)



YMCA MOB supported Green Initiative



Alumni Get Together (RAC Branch)



GOLDEN JUBILEE CELEBRATIONS BY 1972 - 1976



Golden Jubilee reunion for the 1974 batch



YMCA MOB Alumni Portal



Golden Jubilee reunion for the 1974 batch





Golden Jubilee reunion for the 1974 batch



Golden Jubilee reunion for the 1974 batch



Distinguished Alumni Award Felicitation.



Distinguished Alumni Award Felicitation.



Alumni Interaction Session on Career Guidance



Media Tech. Portfolio Exhibition





Golden Jubilee reunion for the 1974 batch



Alumni Interaction Session on Career Guidance



MOB Council Meeting



Haryali Parv



Haryali Parv



YMCAMOB Faridabad Chapter Meet



**WOMEN WELFARE CELL**  
**INTERNAL COMPLAINTS COMMITTEE (ICC)**

**1. Objectives Of Women Cell:**

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

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

**2. Facilities Provided for Gender Equity:**

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

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

**3. Brief Activities of Cell:**

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

**4. MEETINGS HELD DURING THE YEAR (01.04 .2022- 31.03.2023)**

Sr. No.	Date of Meeting	Agenda of Meeting
1.	08-08-2023	To resolve the complaints
2.	15-02-2023	To resolve the complaints



### 5. Events/Activities/Achievements During the Year:

Date	Name of Activity	Number of Participants	
		Boys	Girls
13.04.2022	Expert Lecture on Awareness of Girl students regarding Rights of Women by Ms Renu Dagar, ALO	0	74
22.04.2022	Awareness about use of technology and Durga Shakti App for Women safety	0	142
13.05.2022	Lecture on awareness of Women Rights against Sexual Harassment in University girls Hostel	0	102
19.09.2022	Awareness campaign by ICC members during orientation program of newly admitted UG/PG Courses	0	350
20.09.2022	Expert Lecture on Gender Sensitization	0	85
08.12.2022	Discrimination against Women	0	85
04.03.2023	International Women's Day 2023	44	123
13.03.2023	Start a Research Journal namely 'J.C. Bose Journal on Science and Technology' to mark the celebration of International Women's Week.	35	142



## UNIVERSITY COMPUTER CENTRE AND DIGITAL AFFAIRS CELL (UCCDA)

### 1. Introduction:

The revolutionary advancement in digital technologies has necessitated the dissemination of these technologies to society and also to adopt it for modern education. The University has set up a University Computer Centre and Digital Affairs Cell (UCCDA) to take care of digitization, IT resources and Networking in the university. It was established in the year 2019 by combining two entities: IT Cell (Incepted in 2017 to ascertain ICT infrastructure and networking facility in the University) and Digital Cell (Incepted in 2015 to ensure implementation of digital initiatives and digital learning environment in the University). It is taken as centralised resource facilitator for computerization with an aim to cater to the needs of the entire University (students, research scholars, teachers and other staff of the University). Its associated objective is also to automate administrative and secretarial wings of the University.

Cell is working to progress the university towards digital universe, taking care of ICT infrastructure and conducting regular events/activities/workshops related to digital payment missions, Digi-locker facility, MOOCs, digital literacy, consumer services and technical fests for our students and staff. Cell has worked in a direction to implement National Academic Depository, Academic Bank of Credits (ABC) scheme, SWAYAM Prabha, Credit transfer via SWAYAM MOOCs, Digital Classrooms, Digital Notice Boards and Lecture Capturing facility in the University premises. Cell has also developed admission portal of university for admission to various courses running in the university.

### 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)
Neelam Duhan Associate Professor (CE)	Director	Overall responsible for activities related to cell.
Komal Kumar Bhatia Professor (CE)	Advisor	To advise about various tasks and initiatives taken by the cell
<b>Team- Digital Affairs</b>		
Manju Kumari (EE) Rewa Sharma (CE) Shivi Garg (CE)	Coordinator	<ul style="list-style-type: none"> <li>➤ MOOC enrolments of students for Credit transfer</li> <li>➤ MOOC enrolments of faculty for enhanced learning as per AICTE mandate</li> <li>➤ SWAYAM-NPTEL Local Chapter</li> <li>➤ IIRS-ISRO outreach programmes for students/faculty</li> <li>➤ Other online courses except SWAYAM</li> </ul>
Lalit Mohan Goyal (CE) Arun Kumar (Physics) Piyush Gupta (CE)	Coordinator	<ul style="list-style-type: none"> <li>➤ Digital classrooms</li> <li>➤ Digital Notice Boards</li> <li>➤ Lecture Capturing System for MOOC development/ online teaching</li> <li>➤ Virtual Labs</li> </ul>
Sachin Gupta AR Exams Nodal Officer (NAD), Deepika Punj (CE)	Coordinator	<ul style="list-style-type: none"> <li>➤ NAD implementation</li> <li>➤ Digi-Lockers for students/staff</li> <li>➤ e-Office implementation</li> </ul>
Ankit Pannu (System Analyst), Omdev (programmer)	Coordinator	<ul style="list-style-type: none"> <li>➤ Website and Admission Portal</li> <li>➤ ERP and Digital Learning management System (DLMS)</li> <li>➤ Faculty Information Management system (FIMS)</li> </ul>
Poonam Mittal (CE) Nitin Panwar (ME) Suraj Goyal (Maths)	Coordinator	<ul style="list-style-type: none"> <li>➤ SWAYAM Prabha</li> <li>➤ Digital Literacy Programmes</li> <li>➤ Student activities and events</li> <li>➤ Miscellaneous day to day tasks</li> </ul>
Jitender Kr. Yadav (PRO)	Coordinator	Digital media/coverage
Sanjay Kumar (CE) Krishan Kumar (CE)	Technical Support Team	Taking care of technical requirements/issues





<b>Team- University Computer Centre</b>		
Ankit Pannu	System Analyst	Maintenance of Central Computing Facilities
Himanshu Singh	Lab- Technician	University Website, ERP, Different e-Platforms, Data Servers and Hosting
<b>IT Team</b>		
Sh. Jitender Taneja	HOS (IT)	Maintenance of ICT infrastructure in University Campus
Sh. Mohan Singh	Sr. Instructor	

#### 4. Contact Details:

[digitalindiace@jcboseust.ac.in](mailto:digitalindiace@jcboseust.ac.in), [itcell@jcboseust.ac.in](mailto:itcell@jcboseust.ac.in), [itcellymca@gmail.com](mailto: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.	Joint Secretaries	Gandharva Kashyap, Tisha Garg Sameep Sehgal, Vivek Bansal
3.	VLabs Coordinators	Gurnoor, Shivya
4.	MOOC Coordinators	Sourav, Khushi, Chirag
5.	Session Heads	Sourav, Khushi, Chirag
6.	Senior Coordinators	Gurnoor, Shivya
7.	Student Coordinators	Apoorv Gupta, Chitransh Jain, Gagan Yadav, Arsh Goyal, Saish Pandita

#### 6. Key Initiatives taken by Cell:

- i. Development of University's Website
- ii. Development of University's ERP
- iii. Development of Admission portal of the university
- iv. Digital Learning Management System (DLMS)



- v. Faculty Information Management System (FIMS)
- vi. Set-up of COVID-Helpdesk
- vii. National Academic Depository (NAD) Implementation
- viii. Nodal Centre for Virtual Labs
- ix. SWAYAM-NPTEL Local Chapter
- x. Setting up SWAYAM-Prabha
- xi. IIRS-ISRO Outreach Centre
- xii. Establishment of Digital Classrooms
- xiii. Establishment of Digital Notice Boards
- xiv. Lecture Capturing System (LCS)
- xv. Implementation of Academic Bank of credits (ABC) scheme

**7. Activities Conducted by Cell:**

The UCC & DA has organised following activities:

<b>Date</b>	<b>Name of Activity</b>	<b>Number of Participants</b>
19.07.2022	UCC&DA Auditions: Formation of the new Student Team for session 2022-2023	1000+ students
17.06.2022-19.06.2022	In-house Designing sessions on online zoom platform	Cell members 15 cell members
27.07.2022-28.07.2022	In-house Web Development sessions in offline mode	Web development team
29.07.2022-1.08.2022	In-house App Development sessions in offline mode	App development team
30.07.2022-31.07.2022	In-house Competitive Programming sessions in online mode	Cell members
02.08.2022-04.08.2022	In-house Competitive Programming sessions in offline mode	Cell Members
28.11.2022-02.12.2022	Digi Fiesta 2k22: The National-level Techno-Digital Fest with 9 technical/competitive and participative events	3000+ students across the country
07.12.2022	DSA session with speaker Fraz Mohammad	300+ students
18.02.2023-07.03.2023	UCC&DA auditions for newly admitted students taken admission in 2022.	600+students
10.04.2023	In-house session on competitive programming for newly admitted students in cell in online mode.	Cell members
11.04.2023	In-house session on competitive programming for newly admitted students in cell in offline mode	Cell members
12.04.2023	In-house session on web development for newly admitted students in offline mode.	Cell members
13.04.2023	In-house session on android app development for newly admitted students in offline mode.	Cell members
15.04.2023	In-house session on Graphic designing for newly admitted students in online mode.	Cell members
16.04.2023	In-house session on Canva and Figma for newly admitted students in online mode.	Cell members
08.06.2023-	Started Meet Monitor Mentor(M^3) program during	Cell members



30.06.2023	summer vacations by taking regular sessions on Personality Development and soft skills, Android app development, Web Development, Designing, DSA sessions.	
14.07.2023	Official reunion intro-meet of founder batch and teachers in Shakuntalam hall.	Cell members and pass out batch

**8. Reports of the Activities with Photographs:**

**I. Formation of the New Student Team:**

University Computer Centre and Digital Affairs Cell announced the new position holders for the session 2022-2023.

**STUDENT'S TEAM:**

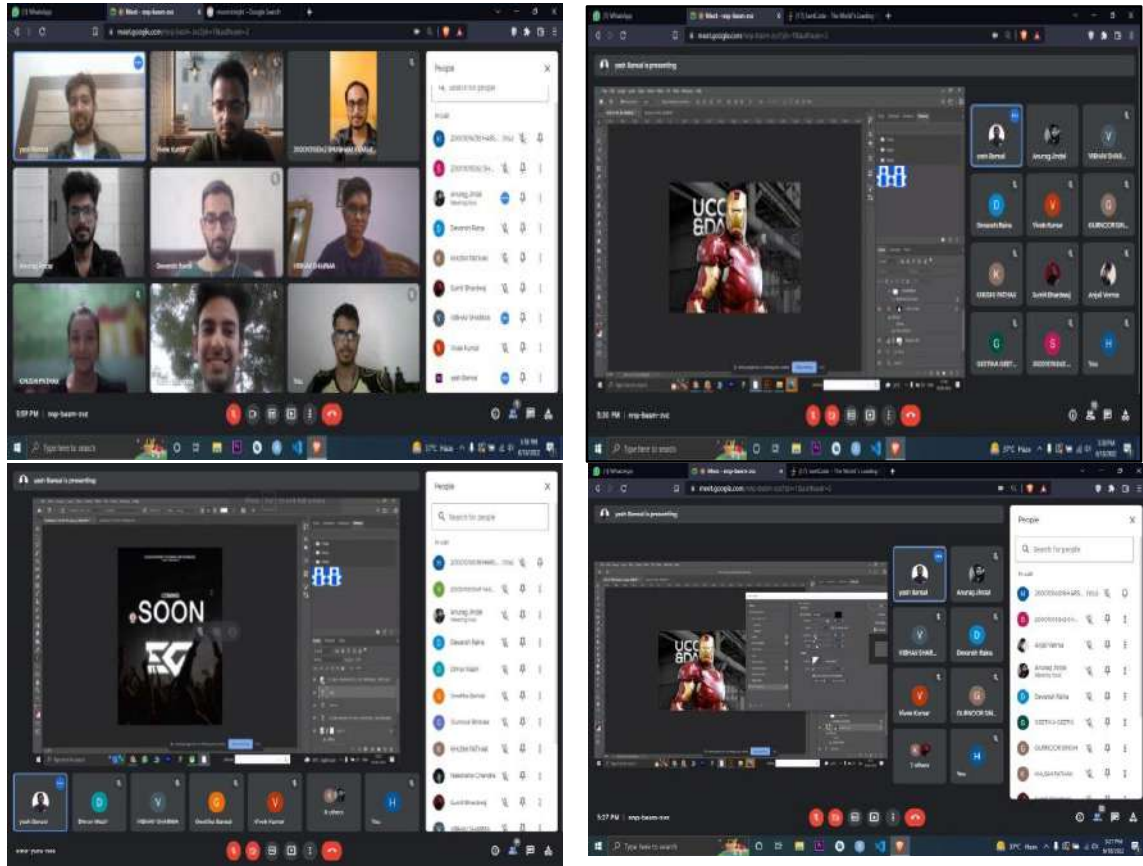
Sr. No.	Position	Name
1.	Student Founder Team	Praveen Kumar, Mohit Singwal, Munish Kumar Garg, Yogesh Yadav, Monika Chauhan, Radhika, Riya Yada, Jyoti, Mandeep Punia
2.	Secretaries	Sumant Gupta, Satvik Aggarwal Shraddha Pandita, Vivek Aggarwal
3.	Joint Secretaries	Anurag Jindal, Yashaswi Garg, Jatin Sharma
4.	Senior Coordinators	Harsh, Hardik Mehta, Nikhil Tiwari
5.	Session Coordinators	Abhijeet Rana, Kshitiz, Neesham
6.	Editorial Head	Shruti Sharma

**II. IN-HOUSE DESIGNING SESSIONS (17-06-2022-19-06-2022)**

The University Computer Centre and Digital Affairs organized an In-house designing session from 17th June,2022 -19th June,2022 at 8:00 pm and the meet was on zoom platform.

The session was conducted under the guidance of Mr. Yash Bansal along with 2 student coordinators, Harsh and Anurag.They took a very interesting session on the basics of Premiere Pro and After effects. Along with thatthey showed the working of the templates and all shared some of the websites related to stock videos and mobile editing software.

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



### III. IN-HOUSE WEB DEVELOPMENT SESSIONS (27.07.2022-28.07.2022)

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

### IV. IN-HOUSE APP DEVELOPMENT SESSIONS (29.07.2022 AND 01.08.2022)

“The future of mobile is the future of online. People can access online content now.” To up-skill the knowledge of newbies, offline internal sessions on App Development were organized by Session Coordinator, Abhijeet Rana.

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



## V. IN-HOUSE COMPETITIVE PROGRAMMING SESSIONS (30.07.2022-31.07.2022 & 02.08.2022-04.08.2022)

To up-skill the knowledge of newbies online internal sessions (from 30th July to 31st July,2022) were organized on Competitive Programming by Session Coordinators, Kshitiz on google meet and offline sessions were conducted from 2nd August to 4th August,2022.

Topics such as C++ STL, Time Complexity, problem setting, inbuilt functions and binary search etc. were covered.



## VI. DIGI FIESTA 2K22 (28.11.2022 –02.12.2022)

The University Computer Centre and Digital Affairs held its yearly Techno-Digital Festival, DIGI FIESTA 2K22 from 28<sup>th</sup> November – 2<sup>nd</sup> December. The goal of Digi-Fiesta 2K22 was to give young minds a forum to share their creative concepts whilst still competing and learning alongside their peers. Students' technical, interpersonal, and communication abilities would have improved as a result. The festival's various technical, fun and gaming events were eagerly participated in by more than 2000+ participants from various universities across different states of the nation.

- a. **Connexions 2.0:** The University Computer Centre and Digital Affairs organized Connexions 2.0 as the first event of Digi Fiesta 2K22. The competition started on 22 November. It was a referral program that basically checked the public outreach of a participant. It helped to spread the reach of Digi Fiesta and get participation from different institutions across different states. Participants were provided with a unique link that they will refer to the other people. The more people they refer to, the more points they get. The winners of this competition are Ayush Adarsh Das, Gandharva Kashyap, and Daniyal Jawed. This event ended on 2<sup>nd</sup> December 2022.
- b. **Instaviz:** UCC & DA organised Instaviz as one of the events of Digi Fiesta 2022. It was a Designing Competition in which participants had to make a poster, a video or a reel on the theme “Life of GenZ”. Huge number of entries came for this competition. Participants’ reel/poster/video was posted on our official Instagram handle. Yugam bagged the first position in this competition followed by Ashmita who secured the second position. The third position is bagged by Rajan Negi.
- c. **BizBlog:** UCC and DA organised BizBlog as one of the events of Digi Fiesta 2022. It was a Technical Blog Writing Competition to let participants showcase their technical writing





skills. This competition was held on Unstop platform. Participants had to write a blog on any one of the five topics provided to them. The topics for writing were:

- Is blockchain environment-friendly or not?
- Twitter under Elon Musk. What does the future hold?
- Ever think of E-waste hazards?
- Biochips, technology advancement in health fields
- Advantages and disadvantages of self-paced courses.

The entries were judged based on the length of the blog, the content, and the relevancy to the topic chosen. Yashik secured first place followed by Sameer who secured the second position and followed by Amisha who secured the third position.

- d. **Hunt-it-Out:** A Digital Treasure Hunt was organised on 28 November, 2022 in the University Campus. The contest was conducted for JCBUST students and in two phases, with over 180+ teams participating in the hunt, each having four members. Each team had to download the app developed by Team UCC&DA and solve the riddles one after another. Consequently, the team solving all the eight riddles in the least time and with minimum errors would be the winner and win prizes worth 8k+. The contest tested the analytical and logical skills of the as well as time management and accuracy of the participants. The winners of the competition were Team Chhore NCR Aale, Quad Squad and Team Alpha.



- e. **Scratch Memory:** It took place on 30<sup>th</sup> November in offline mode in University Computer Centre. Students of our university were only allowed to participate. The participants were shown an image on the projector screen for a few seconds and then were asked a question based on the image to check their photographic memory. One point was given for each correctly answered question and no points were given for a wrong answer. The event was organised in multiple slots and the top four participant of each slot were finalised for the final round. It took place on SLIDO - a quiz platform. Questions were based on photographic memory.

**Winners were: Jatin Chanana, Aryan Chauhan, Himanshu**



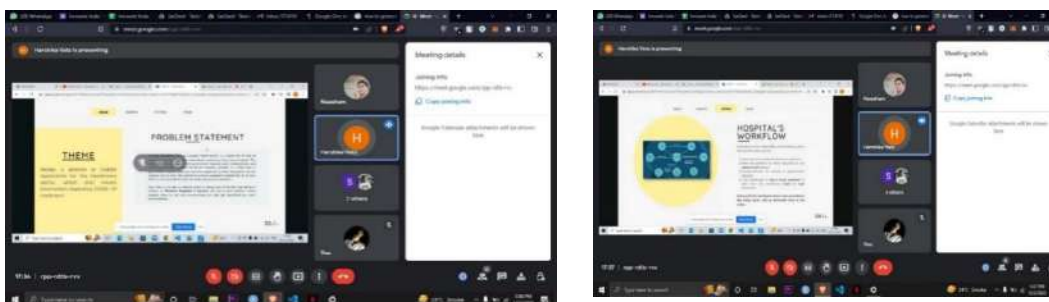
- f. **Stumble Hustle:** was an online gaming tournament of the game 'Stumble Guys'. It was held on 30<sup>th</sup> November and was an open for all tournament. Students from different institutions across different states participated in this event. All the participants were divided in multiple lobbies with each lobby consisting of 30 students along with two coordinators from Team UCC&DA. Top 8 performers of each lobby were finalised for the second round i.e., final round. Prizes were bagged by Mayank Srivastava and Puneet Tewatia.



- g. **Tech Talk 2.0:** It was organised on December 1, 2022, in the University Auditorium. Along with the Chief Guest, Mr. Sandeep Jain, Founder and CEO of GeeksforGeeks, Dean Institutions, Professor Sandeep Grover, Worthy Registrar, Dr. S.K. Garg, Dean Faculty of Liberal Arts and Media Studies, Chairperson, department of computer engineering, Professor Atul Mishra, Professor Komal Kumar Bhatia, and Dr. Neelam Duhan were also there. Mr. Sandeep Jain shared his journey from college life to business and was highly admired by all the students. The event witnessed massive registration of more than 800 students of university and saw a crowd of more than 350 students who actively listened and were enraptured by his speech. The event was highly interactive and cherished by all.



**h. Innovate India:** UCC and DA organised Innovate India as one of the events of Digi Fiesta 2022. This open for all competition was held on 2<sup>nd</sup> December in online in which team have to present the problem statement and a solution to solve that problem in form of a project/prototype. The competition aimed at giving an impetus to the “Make in India” campaign. The participants had to make project on solutions to problems faced in India and to innovate the Indian technology. In this competition first position is secured Team Discoverers followed by Team Vertigo who secured 2<sup>nd</sup> position and the third position is bagged by Team 404.



**i. Concept to Code XIII:** UCC and DA organized Concept To Code XIII as its final event of Digi Fiesta 2k22 in collaboration with Geeks for Geeks. It was an open for all online coding contest held on 2 December 2022 from 8 PM – 10 PM. This event presented a unique opportunity for the coders to showcase their skills and helped them to test themselves not only in the campus but in the whole of India. This was an open





competition for all. Candidates were given four problems based on DSA which they had to solve in 2 hours. The first position was bagged by Ravi Goyal from Amity School of Engineering (ASE) Noida followed by Kshitiz Jaiswal from J.C. Bose University of Science & Technology, YMCA who secured the second position. Gaurav from the National Institute of Technology (NIT) Hamirpur secured the third position.

Rank	Code	Last Name/Submission	Rating	Solve
41	Yashraj0403	2022-04-02 20:08:46	10	10
42	pranav0222	2022-04-02 20:09:45	0	10
43	anishg2000	2022-04-02 20:09:52	10	10
44	ayush0403	2022-04-02 20:07:52	10	10
45	rahman0403	2022-04-02 20:07:39	10	10
46	kg0403	2022-04-02 20:08:14	10	10
47	abhinav0403	2022-04-02 20:08:33	10	10
48	harshit0403	2022-04-02 20:08:52	10	10

All of these events were smoothly conducted with huge number of participations in each event. The student team of University Computer Centre and Digital Affairs left no stone unturned to make Digi Fiesta 2k22 a grand success and set the bars even higher for the forthcoming events.

## VII. DSA SESSION WITH FRAZ MOHAMMAD (07.12.2022)

The University Computer Centre and Digital Affairs cell organized a DSA session on December 7, 2022 in the university auditorium. Along with the chief guest, Mr. Mohammad Fraz, a software engineer at Google and founder of Leadcoding platform, Dean FIC, Professor CK Nagpal, Chairperson of department of Computer Engineering, Professor Atul Mishra, Chairman of department of Computer Engineering, Professor Komal Kumar Bhatia, and Director UCCDA, Dr. Neelam Duhan also graced the event.

The event commenced with Saraswati Vandana which was followed by the ceremonial lamp lighting ceremony. After this, a sapling and momento was presented to the chief guest. This was followed by a speech by Dr. Neelam Duhan and Professor CK Nagpal. The speech not only encouraged and motivated the audience, but also raised the spirits of the audience.

Following this, Mr. Mohammad Fraz was called to the stage. He shared his journey from college life to his dream company, Google, and was highly admired by all the students. He also shared a roadmap for learning data structures and algorithms from scratch. His passion for teaching was clearly visible through his journey, which started from teaching his younger sister to teaching millions of students through his YouTube channel “Fraz”.

He also told the students to focus on four major subjects for interviews (DBMS, OS, CN, OOPS). He further shared his time management technique with the audience. In order to make the session more interactive, he encouraged everyone to put forward their queries without hesitation. He eagerly solved all queries ranging from importance of competitive programming to preferred languages for DSA.



The event saw a crowd of more than 300 students who actively listened and were enraptured by his speech. The event was highly interactive and cherished by all. The event ended with a photo session with the audience and the organising team. The teacher and student coordinators had put their best foot forward and left no stone unturned. Overall, the event was a huge success and raised the bar.



**VIII. AUDITIONS (18.02.2023-07.03.2023)**

UCC&DA conducted auditions in three phases:

- Round 1: Online assessment where questions on logical reasoning, quantitative aptitude were there with a total of 30 questions. Students clearing the cut-off of first round were eligible for second round.
- Round 2: Offline assessment on checking the programming and soft skills of the candidates who cleared the round 1.
- Round 3: Personal Interview in which core team took interview about individual’s goals and priorities towards UCC&DA.

RESULTS - ROUND 1 1st YEAR				RESULTS - ROUND 2 1st YEAR				RESULTS - ROUND 3 1st YEAR			
Name	Branch	Name	Branch	Name	Branch	Name	Branch	Name	Branch	Name	Branch
Punit Gang	CE	Sakshaa Gupta	CE	Bhuvan Kaul	CE	Yatharth Bhatnagar	CSDS	Gourav	CE	Ayush	EE
Vanshika Chopra	CE	Ankita	CE	Gourav	CE	Aarav	CSDS	Gurjan	CE	Harshit Patel	EE
Gurjan	CE	Nayan Kumar	CE	Gurjan	CE	Shubhan Yadav	ECE	Puneet Gang	CE	Nisheta	ENC
Gourav	CE	Naman Goel	CE	Puneet Gang	CE	Smit Gang	ECE	Saloni	CE	Parameer	ENC
Deepak	CE	Shreyas Sharma	CE	Saloni	CE	Prayansh Kataria	ECE	Shubhan Patel	CE	Nilesh Singh	ENC
Harshit	CE	Yashu	CE	Shubhan Patel	CE	Anushka Sharma	EE	Pranjal	CE	Arushi Goyal	IT
Chirag Banga	CE	Suraj Jain	CE	Pranjal	CE	Ayush	EE	Neelika	CE	Shubhan Sheoran	IT
Suraj Shrivastava	CE	Aashi Gang	CE	Chitransh	CE	Harshit Patel	EE	Parth Saini	CE	Lakshita	IT
Bhona	CE	Pranjal	CE	Neelika	CE	Nilantha	ENC	Yatharth Bhatnagar	CSDS	Srishti	IT
Khusn	CE	Shubhan Patel	CE	Aashi	CE	Parameer	ENC	Aarav	CSDS	Ayushi Thosar	IT
Rashya Rastna	CE	Sawan	CE	Ranya Kulkar	CE	Avishk Raa	ENC	Shubhan Yadav	ECE	Rhytha Dhawan	MECH
Khusni Goyal	CE	Tushar Sharanra	CE	Parth Galsi	CE	Nilesh Singh	ENC	Smit Gang	ECE	Rahul	RAI
Kunal	CE	Niyati	CE					Prayansh Kataria	ECE	Priyanka	RAI
Bhuvan Kaul	CE	Ashish	CE					Anushka Sharma	EE	Preeti Yadav	BSC DEPT

**IX. IN-HOUSE COMPETITIVE PROGRAMMING SESSIONS (10.04.2023-11.04.2023)**

To up-skill the knowledge of newbies, online internal sessions (from 10th April to 11th April 2023) were organized on Competitive Programming by Session Coordinators, Raghav Goel and Anubhav Pandey on google meet and also in offline mode. Topics such as C++ STL, Time Complexity, problem setting, inbuilt functions and binary search etc. were covered.



#### **X. IN-HOUSE WEB DEVELOPMENT SESSIONS (12.04.2023-13.04.2023)**

“Your website is the centre of your digital eco-system, like a brick-and-mortar location, the experience matters once a customer enters, just as much as the perception they have of you before they walk through the door.”

To up-skill the knowledge of newbies, offline internal sessions on Web Development were organized by Session Coordinators, Chirag and Vivek. The entire web Development team and students from all domains attended the sessions actively.

#### **XI. IN-HOUSE APP DEVELOPMENT SESSIONS (13.04.2023)**

To up-skill the knowledge of newbies, offline internal sessions on App Development were organized by Session Coordinator, Nakshatra Jain. The students were asked to develop a basic app with the logo of the cell as the home screen and other screens containing basic questions about the cell. The entire App Development team and students from all domains attended the sessions actively.

#### **XII. IN-HOUSE DESIGNING SESSIONS (15.04.2023-16.04.2023)**

The University Computer Centre and Digital Affairs organized an In-house designing session from 15.04.2023-16.04.2023 at 8:00 pm and the meet was on zoom platform.

The session was conducted under the guidance of Mr. Devansh Raina, along with 2 student coordinators, Vivek and Gurnoor. They took a very interesting session on the basics of Premiere Pro and After effects. Along with that, they showed the working of the templates and all; shared some of the websites related to stock videos and mobile editing software. There were around 15 members of the cell and the event took almost 1.5 hours to finish.

#### **XIII. M<sup>3</sup>(MEET MONITOR MENTOR) PROGRAM (8.06.2023-30.06.2023)**

The Meet, Monitor, Mentor program was initiated during the summer vacation with the aim of providing valuable mentorship and fostering the professional and personal growth of our junior colleagues.

##### **a. The primary objectives of the program were to:**

- i. Develop the professional skills of junior colleagues.
- ii. Enhance their soft skills, including communication, teamwork, and time management.



- iii. Share programming knowledge and practical insights.

**b. Methodology:**

The program spanned over six weeks, featuring bi-weekly meetings conducted via video conferencing. It involved five junior colleagues from diverse educational backgrounds. The primary tools used for communication and mentorship included video calls, messaging apps, and shared online resources.

**c. Participants:**

The program included five junior colleagues in their second and third years of college, each with varying levels of proficiency in programming and soft skills.

Throughout the program, the following activities were conducted:

- i. Professional skills workshops covering topics like project management, problem-solving, and critical thinking.
- ii. Soft skills training through role-playing, effective communication exercises, and teamwork challenges.
- iii. Programming knowledge sharing, with a focus on coding exercises, debugging techniques, and real-world application scenarios.

**d. Mentoring Approach:**

The mentoring approach combined structured lessons with interactive discussions and hands-on exercises. Each meeting had a dedicated theme, and participants were encouraged to ask questions and share their experiences.

**e. Achievements and Outcomes:**

- i. Significant improvement in the programming skills of all participants, as evidenced by the completion of complex coding exercises.
- ii. Enhanced soft skills, resulting in improved teamwork and communication among participants.
- iii. Successful completion of a collaborative project, showcasing the practical application of the skills learned.

**XIV. REUNION INTRO-MEET (14.07.2023)**

The Reunion Intro-Meet of the UCC&DA (University Computer Club and Digital Arts) Cell took place on 14th July 2023, bringing together the founding batch of our college cell and the current teaching faculty associated with UCC&DA.

The Reunion Intro-Meet featured the following key activities:

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

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



A section was dedicated to showcasing the professional achievements and successes of UCC&DA alumni, inspiring current students to pursue their dreams. The Reunion Intro-Meet yielded several positive outcomes: **Enhanced Bond-** The event strengthened the bond between the founders, teachers, and current students, fostering a sense of belonging and unity within the UCC&DA community. **Knowledge Sharing:** Founders and teachers shared valuable insights and experiences, motivating and guiding the current students in their academic and professional journeys. **Networking:** Current students had the opportunity to network with successful alumni, potentially opening doors for internships and future collaborations. **Inspiration:** The achievements of UCC&DA alumni served as a source of inspiration for current students, encouraging them to aim for excellence.







## VIGILANCE CELL

### 1. Introduction:

The Vigilance Cell has been constituted in the University on 11.04.2022 vide letter no. Estb/misc/859 in compliance of the orders dated 04<sup>th</sup> April, 2022 of the Haryana Govt. It has been constituted to enhance the probity and efficiency of the organisation and to fight against corruption. The information regarding the University Vigilance Cell and helpline number has also been displayed at the prominent places in the University. Vigilance Cell endeavours to foster an environment that 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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Sr. No.	Name of the Member	Designation
1.	Prof. Sandeep Grover	Chairman
2.	Prof. Munish Vashishath, DSW	Member
3.	Prof. Neelam Turk, Chairperson-ICC	Member
4.	Prof. Komal Kumar Bhatia	Member
5.	Prof. Atul Mishra	Member
6.	Dr. Sandhya Dixit	Member
7.	Dr. Bindu Mangla	Member
8.	Dr. Pawan Singh Malik	Member
9.	Ms. Renu Dagar, Asst. Law Officer	Member Secretary

E-Mail: [vigilance@jcboseust.ac.in](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:

- i. To extend all possible help to foreign students to adapt to a new culture environment and make the stay in India comfortable and enriching.
- ii. To conduct knowledge enrichment sessions for all students, whether domestic or foreign students through international experts.
- iii. To coordinate all matters related to support foreign students
- iv. To disseminate information related to the admission process among prospective foreign students.
- v. To engage the promotional activities and brand building campaign board.
- vi. Single point of contact for carrying out all collaboration activities with foreign institutions.
- vii. Act as a liaison body between the foreign students and sponsoring agency.
- viii. To address the grievances of foreign students in all matters.
- ix. Single point of contact for registration with FRRO/e-FRRO.
- x. 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.
- xi. To facilitate international academic and research collaboration.
- xii. To conduct knowledge transfer programs through means of international FDP/STTP.

### 2. Constitution:

Sr. No.	Name and Designation	Responsibility
1.	Shilpa Sethi, Associate Professor (CA)	Director
2.	Rajeev Saha, Assistant Professor (ME)	Deputy Director
3.	Mamta Kathuria, Associate Professor (CA)	Coordinator

### 3. Meetings Conducted:

Sr. No.	Date of Meeting	Agenda of Meeting
1.	13.06.2022	The meeting was primarily meant for discussing the design and content aspects of Foreign Admission Brochure prepared by Mr. Sushil.
2.	11.07.2022	The meeting was called to finalize the draft of brochure design by all the members.



3.	03.07.2022	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.	14.07.2022	A meeting after the opening of foreign students brochure was called to assign the duties like a. Check and reply for the enquiries on daily basis received through University in-house admission portal b. Reply for enquiries on daily basis that will be received on daily basis on ia official mail id c. To support in social campaign with PRO and brochure and application form to students.
5.	27.07.2022	A meeting was called for contacting and delivering presentation to Professor Dubey for signing MOU
6.	20.08.2022	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.
7.	20.09.2022	A meeting was called for planning about a visit from Japanese Academic delegate in our university on 21 <sup>st</sup> sep 2022. The meeting was also held to discuss the Preparation and completion of various file for NAAC visit.
8.	23.11.2022	A meeting regarding the registration with EDCIL was held and approval was prepared for the same. The NEP related information was also filled in the google drive.
9.	12.01.2023	A meeting to plan for Budget estimate for financial year 2023-24 was called. The planning and progress on NEP-2020 parameters was also discussed. The planning for organizing experts' lectures was also discussed. The planning for initiating MOU (USA, Viswanath) was discussed.
12.	13.04.2023	A Meeting to Start Dual degree program in collaboration with foreign HEIs was scheduled.
13.	01.05.2023	The meeting was primarily meant for discussing the design and content aspects of Foreign Admission Brochure prepared by Mr. Sushil. The Increase in fee 10% is also discussed to be included in updated brochure.
14.	29.05.2023	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**

<b>Sr. No.</b>	<b>Name of Activity</b>	<b>Date</b>
1.	Launching online campaign for foreign student admission - release report/ flyer	05.07.2022- 23.07.2023
2.	Release of EoI for social campaigns	24.03.2023

**5. Achievements** : Successfully registered with Study-In-India Program.

**6. Prominent academic activities conducted:** Nil



## PUBLIC INFORMATION (RTI) CELL

### 1. Introduction:

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

### 2. Constitution:

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

### 3. List of Public Information Officers:

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



		Chemistry (CH)		PHY: Prof. Anuradha (Chairperson) Ph: 129-2310116
		Environmental Science and Engg. (EVS)		CH: Dr. Ravi Kumar (Incharge) Ph: 0129-2310116
		Mathematics (Math)		EVS: Dr. Renuka Gupta (Incharge) Ph: 0129-2310116
		Incharge-Communication and Media Technologies		Math: Prof. Neetu Gupta (Chairperson) Ph: 0129-2310116
		Life Science		Life Science: Dr. Kakoli Dutt (Incharge) Ph: 0129-2310116
		Management Studies (MBA)		Management Studies (Chairperson) Dr. Rachna Aggarwal Ph: 0129-2310172
		Business Studies		Business Studies (Chairperson) Dr. Manisha Goel Ph: 0129-2310172
2.	Information relating to Examination branches	Examination Section	PIO-cum-Controller of Examination/ Assistant Registrar Examination Branch	Prof. Hari Om (COE) Sh. Sachin Gupta (AR) Ph: 0129-2310112
3.	Information relating to Establishment matters (Teaching and Non-Teaching)	Establishment Section	PIO-cum-Deputy Registrar/ Assistant Registrar (Establishment)	Dr. Meha Sharma (DR-E) Ph: 0129-2310158
4.	Information relating to Accounts matters	Accounts Section	PIO-cum-Controller of Finance/Chief Account Officer	Prof. Komal Kumar Bhatia (COF) Ph: 0129-231015/140
5.	Information relating to Construction/Maintenance matters	Maintenance/ Construction Section	PIO-cum-SE/SDE	Sh. Ajay Taneja (SE) Sh. A. K. Sharma (SDE-Civil) Ph: 0129-2310183/85



6.	Information relating to general Academic matters	Academic Section	PIO-cum- Deputy Registrar/ Assistant Registrar Academic section	Mr. Manish Gupta (DR-Acadmics) Dr. Jyoti Mor (AR-Acadmics) Ph: 0129-2310160
7.	Information relating to Student Welfare Activities	Office of Dean Student Welfare (Sports/Cultural/ Technical/NSS)	PIO-cum-DSW	Prof. Munish Vashishath (DSW) Ph: 0129-2310119
8.	Information relating to all hostel matters	Office of Chief Hostel Warden (Boys)	PIO-cum- Chief Hostel Warden (Boys)	Prof. Munish Vashishath (CHW - Boys) Ph: 0129-2310122
9.	Information relating to all hostel matters	Office of Chief Hostel Warden (Girls)	PIO-cum- Chief Hostel Warden (Girls)	Dr. Anuradha (CHW - Girls) Ph: 129-2310192
10.	Information relating to general discipline related matters	Office of proctor	PIO-cum-Proctor	Dr. Lakhwinder Singh (Proctor) Ph: 129-2310122
11.	Information relating to Store and Purchase related matters	Office of Head S&P	PIO-cum- Deputy Registrar/ Assistant registrar (S&P)	Sh. Vishal Kumar (AR) Ph: 129-2310164
12.	Information relating to Workshop	Office of Workshop Superintendent	PIO-cum- Workshop Superintendent	Dr. Vivek Sharma (WS) Ph: 129-2310121
13.	Information relating to Affiliation Branch	Affiliation And Registration Branch	PIO-cum-Dy. Dean/DR	Sh. Manish Gupta (Dy. Registrar) Sh. Gaurav Garg (AR) Ph: 0129-2310182
14.	Information relating to Training and Placement office	Employemnt and Training Office (ETO)	PIO-cum-ETO	Prof. Rajesh Ahuja (ETO) Ph: 129-2310119,
15.	Information relating to Community College	Principal, Community College	PIO-cum-Principal, Community College	Dr. Sanjeev Goyal (Principal, CCSD) Ph: 129-2310120
16.	Information relating to NBA	NBA/UCC & DA	PIO cum Co-ordinator	Dr. Neelam Duhan (Associate Professor, CE) 0129-2310176
17.	Information relating to Library	Library	PIO cum Librarian	Dr. P.N Bajpai (Dy. Librarian) 0129-2310124



18.	Information relating to Admission	Admission	PIO cum Director	Dr. Ashutosh Nigam (Director) 0129-2310160
19.	All other Offices/Sections /Cells/ New Departments, if Any.	Concerned Head of Office/Section/ Cell/ Department	PIO-cum-Concerned Office Head	Concerned Office /Section/ Cell/ Department Ph: 0129-2310125

**4. Details Of Rtis / First Appellate / Second Appellate as on 31-06-2023**

RTI applications received during July 2022 to June 2023 and disposed off	255
RTI application received by First Appellate Authority and disposed off	07
RTI applications received by Second Appellate Authority and disposed off	Nil



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

### 4. Status Of Cases related to University in Various Courts:

Number of cases filed from July 2022 - June 2023:	05
Number of cases decided from July 2022 - June 2023:	06



# **UNIVERSITY LIBRARY**



## PT. DEEN DAYAL UPADHYAY CENTRAL LIBRARY







**PT. DEEN DAYAL UPADHYAY  
CENTRAL LIBRARY (2022-23)**

**1. Introduction:**

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

**Nominated Member, Library Committee:** Prof. Vikas Turk

**2. Staff Profile:**

Sr. No.	Name	Designation	Qualification	Total Experience (Years)
1.	Dr. P. N. Bajpai	Dy. Librarian	M. Sc.; MLIS, M. Phil, Ph.D.	26
2.	Ms. Hema Singh	Asstt. Lib. Professional	M. Sc., ADIS, PGDCA	15
3.	Mrs. Sadhna Bajpai	Library Counter Clerk	B. Sc., M. A., MLIS, M. Phil	20
4.	Mr. Saurabh Dixit	Library Counter Clerk	B. Sc., MLIS	07
5.	Ms. Pooja	Library Atendant Cum Restorer	B. A.; Dip in Lib. & Inf. Sc.	04

**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
89535	4089	19341	106	3375	7335

**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. Internet / E-Resource Section
- viii. Separate Reading Room
- ix. 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:**

Presently library is having access of following e-resources:

- i. Access from E-ShodhSindhu Consortium**
  - a. Springer Link <http://link.springer.com>
  - b. Taylor & Francis <http://www.tandfonline.com>
  - c. Economic & Political Weekly <http://epw.in/>
  - d. JCCC <http://jgateplus.com/>
- ii. Gateway To e-Journals: J-Gate (Discovery Service)** <http://jgateplus.com>
- iii. e-Journals subscribed by the library**
  - a. Elsevier's Science Direct (Engg& Comp. Sc. Collection) <http://www.sciencedirect.com>
  - b. IEEE (ASPP and POP All) <http://ieeexplore.com/>
- iv. e-Books subscribed by the library**
  - a. McGraw-Hill e-Books
  - b. Pearson e-Books
  - c. EBSCO e-Books
  - d. Trittech e-Books
  - e. CBS e-Books
  - f. 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. Short Term Course/Conference/ Workshop/ Paper Presentation by Dr. P. N. Bajpai, Deputy Librarian**

Presented a paper on “Role of Libraries in the Conservation of Indian Culture” in the Nation Research Conference ‘Bhartiya Sanskrit ke Nirman mein Lok Sanskrit ki Bhumika’orgazined by Dayanand Vaidic College, Orai, Jalaun (U.P.) on 18-19<sup>th</sup> March, 2023.

**9. Expert Lecture/ Invited Talk Delivered by Dr. P. N. Bajpai, Dy. Librarian:**

Delievered an expert lecture to the students & research scholars for the Department of Electrical Engg. On “Resources of Library and its uses” on 8<sup>th</sup> Feb, 2023.

**10. Events/Activities/Achievements:**

- i. One day workshop on “IEEE Xplore: Delivering Research Better than ever” on 6<sup>th</sup> April, 2023.
- ii. One day “Book Exhibition” on 13<sup>th</sup> Feb, 2023.
- iii. One day workshop on “J C Bose UST, YMCA e-Library & Press Reader” on 23<sup>rd</sup> June, 2023.



**UNIVERSITY WORKS  
AND  
DEVELOPMENT**



## List of completed works (Above Rs. 5.00 Lacs)

## (a.) Capital Works

Sr. No.	Name of work with Agreement Name	Amt. of A/A (In lacs)	Physical Progress Percentage /status	Remarks
1.	Up-gradation of Sub-Station Building and P/F/I&C of 1000 KVA Transformer & other accessories in the University.	103.90	Work completed.	Work completed& handed over.
2.	Fire Fighting System in J.C. Bose University of Science & Technology, YMCA, Faridabad.	176.89	Work completed.	Work completed& handed over.
3.	Furnishing work in computer lab & VLSI lab in J.C. Bose university of Science & Technology, YMCA Faridabad.	9.92	Work completed.	Work completed& handed over.
4.	Construction of lecture capturing system in newly constructed science block building at 9 <sup>th</sup> floor of J.C. Bose University.	21.48	Work completed.	Work completed& handed over.
5.	Supply, Installation, Testing & commissioning of 50 KLD Sewerage Treatment plant in J.C. Bose University of Science & Technology.	35.40	Work completed.	Work completed& handed over.
6.	Construction of waiting lounge in girls hostel and renovations or up gradation of main gate of boys hostel in J.C. Bose University of Science & Technology	12.54	Work completed.	Work completed& handed over.
7.	Supply of electrical cable from sub-station to the newly constructed girls hostel & further up to class-iv residence of the UST.	9.18	Work completed.	Work completed& handed over.
8.	S/I/T/C of Passenger lift along with civil work at MBA Block in J.C. Bose University Science & Technology, YMCA Faridabad	13.13	Work completed.	Work completed& handed over.
9.	Renovation of boys & girls Toilet from G.F. to T.F. Mechanical Block in J.C. Bose University of Science & Technology YMCA Faridabad	11.74	Work completed.	Work completed& handed over.



10.	Construction of Girls Hostel (G+8) and Class-IV staff quarter (G+3) Residence at J.C. Bose university.	2200.00	Work completed.	Work completed& handed over.
11.	P/F/I/C of Independent feeder for the J.C .Bose university.	101.25	Work completed.	Work completed& handed over.
12.	Construction of canteen mess and student activity center in the university.	471.00	Work completed.	Work completed& handed over.
13.	Furnishing work in newly constructed science block at J.C. Bose University of Science & Technology, YMCA Faridabad.	68.57	Work completed.	Work completed& handed over.
14.	Setting Up of Studio at J.C. Bose University of Science & Technology, YMCA, Faridabad: Acoustic, Civil.	188.60/ 45.82	Work completed.	Work completed& handed over.
15.	Fire Fighting System in J.C. Bose University of Science & Technology, YMCA, Faridabad.	176.89	Work completed.	Work completed& handed over.
16.	Construction of library, MBA & Mass communication Deptt. Building in J.C. Bose University.	1450.00	Work completed.	Work completed& handed over.
17.	Interior Designing and Furnishing work of Studio at Ground Floor of newly constructed Science Block Building in J.C. Bose University of Science and Technology, YMCA, Faridabad.	24.22	Work completed.	Work completed& handed over.
18.	Construction of waiting lounge in girls hostel and renovations or up gradation of main gate of boys hostel in J.C. Bose University of Science & Technology	12.54	Work completed.	Work completed& handed over.
19.	Furnishing work for Girls Hostel room of J.C. Bose University science & Technology YMCA Faridabad.	78.25	Work completed.	Work completed& handed over.
20.	Construction/Renovation of Girls Hostel toilet in J.C Bose University.	14.50	Work completed.	Work completed& handed over.



## (b.) Renovation/ Maintenance Work:-

Sr. No.	Name of work with Agreement Name	Amt. of A/A (In lacs)	Physical Progress Percentage /status	Remarks
1.	Furnishing work in computer lab of community collage of the University	2.25	Work completed.	Work completed& handed over.
2.	Whitewashing & Painting work of girls hostel wings kasturba Gandhi, mother terrsa sarojni kalpana chawla mess and other area in the University.	4.48	Work completed.	Work completed& handed over.
3.	S/I/T/C LPG pipe line & Accessories in chemistry labs at 8 <sup>th</sup> & 9 <sup>th</sup> floors (2 lab each floors) in science block building of J.C. Bose UST.	4.90	Work completed.	Work completed& handed over.
4.	Whitewashing & Painting work at diff. places of J.C. Bose University Science & Technology, YMCA Faridabad.	2.43	Work completed.	Work completed& handed over.
5.	Caretaker room at VC Camp office of the of J.C. Bose University Science & Technology, YMCA Faridabad.	2.67	Work completed.	Work completed& handed over.
6.	Furnishing work of the dean academic office of the university.	2.28	Work completed.	Work completed& handed over.
7.	Electrical work in Civil Engineering deptt. of J.C. Bose University Science & Technology, YMCA Faridabad.	2.06	Work completed.	Work completed& handed over.
8.	Dismantling of Tile Terracing, water proofing & relaying of tiles of MBA Block ( Auditorium roof top) of of J.C. Bose University Science & Technology, YMCA Faridabad	4.68	Work completed.	Work completed& handed over.
9.	Removing of Polycarbonate shed from front side of canteen & re-fixing the shed at two locations at multi-storied residences & green house of J.C. Bose University Science &	0.88	Work completed.	Work completed& handed over.



	Technology, YMCA Faridabad			
10.	Erection of Aluminum Partition work for setting up of the offices of affiliation Branch , Chw branch and NCC Branch at 4 <sup>th</sup> floor in newly constructed canteen mess building of the University	3.71	Work completed.	Work completed& handed over.
11.	Whitewashing & Painting work in Girls Hostel of J.C. Bose UST.	4.41	Work completed.	Work completed& handed over.
12.	Erection of Aluminum Partition work in DSW office at 3rd floor in newly constructed canteen mess building of the UST.	4.30	Work completed.	Work completed& handed over.
13.	Carpet tiles & Glass work in Science Block of J.C Bose UST.	2.73	Work completed.	Work completed& handed over.
14.	Providing of Plywood for old MS Frame bed for new girls hostel of the J.C Bose University.	2.02	Work completed.	Work completed& handed over.
15.	Whitewashing & Painting work in VC residence camp office (internal side of the university.	0.88	Work completed.	Work completed& handed over.
16.	Whitewashing & Painting work in VC office (outer side) of the Univeristy.	0.99	Work completed.	Work completed& handed over.
17.	Electrical Panel room of J.C. Bose University Science & Technology YMCA Faridabad	1.29	Work completed.	Work completed& handed over.
18.	Renovation/Up-gradation work of corridor gate assessable to Purchase Deptt. plinth protection around UG Tank etc. of J.C. Bose University.	1.44	Work completed.	Work completed& handed over.
19.	Removing & Re-fixing interlocking paver for class-iv residences of J.C. Bose University Science & Technology, YMCA Faridabad.	1.86	Work completed.	Work completed& handed over.
20.	Renovation work in IT class room in computer engg.	1.54	Work completed.	Work completed& handed over.





	Block of J.C. Bose University Science & Technology, YMCA Faridabad			
21.	Furnishing work of VC office in J.C. Bose University of Science & Technology YMCA Faridabad.	0.96	Work completed.	Work completed & handed over.
22.	Whitewash & Painting Inside in Elcetricon Deptt. Block, Computer Deptt. Block, Mechanical deptt. Block in J.C. Bose University.	4.36	Work completed.	Work completed & handed over.

**List of Works under progress (Above Rs. 5.00 Lacs):**

**(a.) Capital Work:-**

Sr. No	Name of work with Agreement Name	Amt. of A/A (In lacs)	Physical Progress Percentage /status	Date of completion
1.	Construction of Library, MBA & Mass communication Deptt. Building in J.C. Bose University.	1450.00	70%/ work Under progress.	30/04/2024
2.	Construction of 5th Floor and Completion of Lower Ground, Upper Ground, Mezzanine and 1st Floor of the Library, MBA and Mass Communication Deptt. Building in J.C. Bose University.	703.46	Work allotted	15/12/2024
3.	Dismantling & auction of Boys Hostel on as is where is basis of the University.	5.39/108.28	95%/Work Under Progress	30/04/2024
4.	Dismantling of tile terracing, water Proofing & relaying of tiles of Girls Hostel wings (Kasturba Gandhi, Mother Teresa, Sarojini, Kalpana Chawla) of J.C. Bose University of Science & Technology, YMCA Faridabad.	9.19	Work Allotted	30/04/2024



5.	Construction of Boundary Wall for the Newly Constructed Girls Hostel of the University.	10.62	Work Allotted.	19/05/2024
6.	Providing & Laying of Kerb Stone & Chequer tile around Newly constructed Girls Hostel of the University.	10.64	Work Allotted.	19/05/2024
7.	Providing & Fixing of Classrooms Benches Newly Constructed Library, MBA & Mass Communication Deptt. Building in J.C. Bose University	35.37	Tendering under process.	-----

**(b) Renovation/ Maintenance Work:**

Sr. No	Name of work with Agreement Name	Amt. of A/A (In lacs)	Scope of work	Date of completion
1.	Erection of Aluminum Partition work in Room No. 304 in CV Raman Science Block Building of the University.	0.40	Erection of Aluminum Partition work in Room No. 304 in CV Raman Science Block Building	31/03/2024
2.	Partition work in Microwave sensor research lab in Deptt. of electronics engineering in the University.	1.47	Partition work in Microwave sensor research lab in Deptt. of Electronics engineering	15/04/2024
3.	Electrical and networking work in computer lab in community collage of skill and development in the University.	2.53	Electrical and networking work in computer lab in community collage of skill and development	13/04/2024
4.	Erection of Aluminum Partition work for setting up of the chemistry Research lab in room No. 903 in CV Raman Science Block Building of the University.	1.71	Erection of Aluminum Partition work for setting up of the chemistry Research	20/04/2024
5.	Furnishing work in Conference room at 1 <sup>st</sup> floor of Science Block of the University.	1.89	Furnishing work in Conference room at 1 <sup>st</sup> floor of Science Block	31/03/2024
6.	Dismantling of tile tracing, water proofing & relaying of tile of girls hostel wings (Kasturba Gandhi, mother Teresa, sarojni, kalpana chawla) of University.	6.92	Dismantling of tile tracing, water proofing & relaying of tile of girls hostel wings	30/04/2024

**Future Construction Plans:**

Sr. No.	Name of Work	EC Resi. No. / Admin Approval.	Estimated Cost (In Crore)	Date of start	Date of Completion	Remarks
1.	Construction of Boundary wall & other development works at new additional campus of the University.	EC/	200.00	-----	-----	The estimate is under preparation.
2.	Construction of Boy's Hostel in the University.	EC/	5000.00	-----	-----	Design of the boys hostel finalized & plinth area estimate is under approval.
3.	Dismantling & Relaying of chequer tiles from VC office to main entry gate along main inside road in the University.	EC/	10.00	-----	-----	The estimate is under preparation & the tender of the work shall be floated shortly
4.	Supply, Installation, Testing & Commissioning of 3 Nos. Lifts in newly constructed Library, MBA, Mass Communication Deptt.	EC/	100.00	-----	-----	The estimate is under preparation & the tender of the work shall be floated shortly



5.	Furnishing work (Library, faculty furniture & Wall Panels)	EC/	100.00	-----	-----	The estimate is under preparation.
6.	Supply, Installation, Testing and Commissioning of Air-Conditioning in newly constructed Library, MBA, Mass Communication Deptt.	EC/	60.00	-----	-----	The estimate is under preparation & the tender of the work shall be floated shortly
7.	Construction of Academic Block -1 at new campus of the University	EC/	5000.00	-----	-----	The permission of NOC from forest deptt. is awaited.
8.	Construction of Boundary wall & other development works at new campus of the University.	EC/	500.00	-----	-----	The permission of NOC from forest deptt. is awaited.



## UNIVERSITY HEALTH CENTRE





## UNIVERSITYHEALTH CENTRE

**Medical Officer: Dr. Ankur Sharma**

### 1. Introduction:

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

The team of qualified doctors is always available for students. In case of emergency, the student is immediately transported to the hospital through 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:

1. First Aid Facility in case of minor injury.
2. Blood Pressure and Temperature measurement.
3. Blood Sugar by Glucometer.
4. Physicians Consultations.
5. Oxygen Concentrator.
6. Nebulizer Facility.
7. Weight and Height Measurement.
8. Wheel chair facility for Handicapped.
9. Visiting Doctor Facility
10. Super Specialty Health Camp.

The following investigations are carried out in Health Centre:

1. CBC
2. Blood Sugar
3. MP by Card Method



4. Typhi Dot
5. LFT
6. KFT
7. Lipid Profile
8. Blood Group
9. Widal
10. ECG

**2. Activities Conducted:**

- i. As a precautionary measure, due to the spread of Covid 19 pandemic Fogging and sanitization has been done on regular Intervals in the whole University Campus.
- ii. E-Lectures were delivered by the medical officer to the Teaching and Non -Teaching staff members of the University for the Prevention of COVID-19 pandemic.
- iii. Masks and sanitizer were distributed in all the departments of the University.
- iv. Tele- consultation given to the Patient.
- v. Advisory also given on regular intervals to staff Members of the University.
- vi. Covid-19 Vaccination drive has been conducted at regular intervals in the University Campus for their faculty Members, Staff Members and students

**3. Camps Organised:**

- i. Continuing its ongoing efforts to fight against Covid 19 a vaccination camp was organized on 12.05.2022 for the age of 12-15 years.
- ii. Under the campaign of Anemia Free India, a camp was organized on 05.08.2022 in collaboration with Dr. Suraj Prakash Arogya Kendra of Hemoglobin investigation camp.
- iii. With view to creating awareness about Health issues a camp was organized on 15.12.2022 in collaboration with Fortis Escorts Hospital on First Aid and Basic Life support for the benefit of staff and students of the University, Health Talk was given by Dr. B.D. Pathak a Laparoscopic and Bariatric Surgeon on obesity treatment and its prevention. He spoke about how obesity can be prevented by adopting a healthy lifestyle. Dr Kamal Gupta Principal Cardiology spoke on the topic Changes in Lifestyle Management and their effects on Human Body. Dr. Supradip Ghosh gives hands on training on CPR
- iv. Health check-up camp conducted on 02.02.2023 in the University Health Centre in collaboration with Dr. Suraj Prakash Arogya Kendra on female Health issues, In the camp Hemoglobin and Blood sugar was done of female students and gynecologist opinion also given.
- v. A Health check –up camp conducted on 29.03.2023 in the University Health Centre with the collaboration of QRG Hospital Sector -16 Faridabad between 02:00 pm to 5:00 pm in which Cardiac, Diet, Psychiatric Consultation given to the stakeholders of the University
- vi. A Health check –up camp conducted on 26.04.2023 in the University Health Centre with the collaboration of Sarvodaya Hospital Sector -8 Faridabad between 11:00 am to 1:00 pm in which Cardiac, Diet, Psychiatric Consultation given to the stakeholders of the University.



- vii. A Health check –up camp conducted on 26.05.2023 in the University Health Centre with the collaboration of SSB Hospital Faridabad between 12:00 pm to 2:00 pm in which Internal Medicine and Dietician consultation given to the stakeholders of the University.





## **UNIVERSITY HOSTELS**



## GIRLS' HOSTEL

### 1. Introduction:

The Girls' hostel of university is located in university campus. While providing an opportunity of campus living, hostel looks forward to residents to shoulder and maintain the best traditions of the University as a whole. The Girls' hostel is divided into four major wings. Each wing is administrated by separate hostel warden.

### 2. Constitution:

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

The Girls' Hostel has four 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	84	Dr. Pooja Gupta

In addition, there is a dedicated staff of 12 members who cater to the needs of the girls 24x7. 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:

1. 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.
2. Well ventilated and capacious rooms.
3. Reading room with desktops, Common room with LED TV, Gymnasium with music system, Guest room and Visitor room.
4. 24x7 RO water supply and water tank clean regularly.
5. First aid and 24x7 Ambulance facilities.
6. Fire extinguisher in Each wing.
7. Badminton and Basketball courts.
8. ports and Recreational Facilities
9. CCTV surveillance.
10. Biometric Attendance System, manually attendance and daily entry record
11. Sanitary Napkin Vending Machines and Incinerators in all the wings.



12. Geysers
13. Induction Cook Tops and grilled sandwich makers.
14. Newspapers and Magazines supply
15. Wi-Fi
16. Soft water tank has been constructed in year 2018-19 to provide soft water to the girls
17. Apart from all the facilities mentioned above pest control and fumigation/spray for protection from rats and mosquitoes is done on regular basis.
18. Expert lectures are organized to create awareness amongst the girls to maintain hygiene and cleanliness.
19. Self Defense, Anti Ragging, Anti drugs, Career counseling and Yoga classes are also organized time to time.
20. 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.
21. 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.
22. Feedback registers, Complaint registers and suggestion box are maintained to address the grievances of the students.

### 3. Event Organized in Hostel:

- a. **‘Mann Ki Baat’** is a monthly program of our Hon’ble Prime Minister, where he interacts with citizens of India on themes and issues that matters to the Nation. On the completion of its 100<sup>th</sup> episode it was aired live on TV/Radio channels and social media platforms on 30<sup>th</sup> April 2023 at 11 am. ACHW (Girls), Wardens of girls’ hostel and students assembled to watch the program. They watched the program in TV Room of girls’ hostel.





- b. **‘Shri Hanuman Chalisa’** 108 Path was organized on the occasion of Akshya Tritiya on 22 -04- 2023 (Saturday) in Girls’ Hostel. The residents and staff of girls’ hostel chanted 108 Shri Hanuman Chalisa Paath. The residents of girls’ hostel took part in path with full of excitement. The path was ended with the aarti. After the path, Prasad was distributed among the residents and staff of girls’ hostel.



- c. **‘Hemoglobin Testing Campaign’**: To counter the menace of anemia and take concrete steps towards making the University anemia free, J. C. Bose University of Science and Technology, YMCA, Faridabad, in collaboration with Bharat Vikas Parishad Faridabad, organized Hemoglobin Testing Campaign for girl students under Anemia Mukta Bharat Abhiyaan.







- d. **‘Seminar on Health Lifestyle and Female Hygiene’:** J. C. Bose University of Science and Technology, YMCA, Faridabad organized an awareness seminar on ‘Health Lifestyle and Female Hygiene’ for girls students at the campus. The program was conducted by the University’s Girls Hostel, and seminar was addressed by Monika Sharma, President, Mahila Jagriti Abhiyaan, an organization working for menstrual hygiene awareness.



- e. **‘Fresher Party’** was organized by Hostel Authority to Welcome the First year students in Girls’ Hostel of University. The residents of Girls’ Hostel enjoyed a lot.





## **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;

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

## **THE PRACTICE**

### **(a) 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).

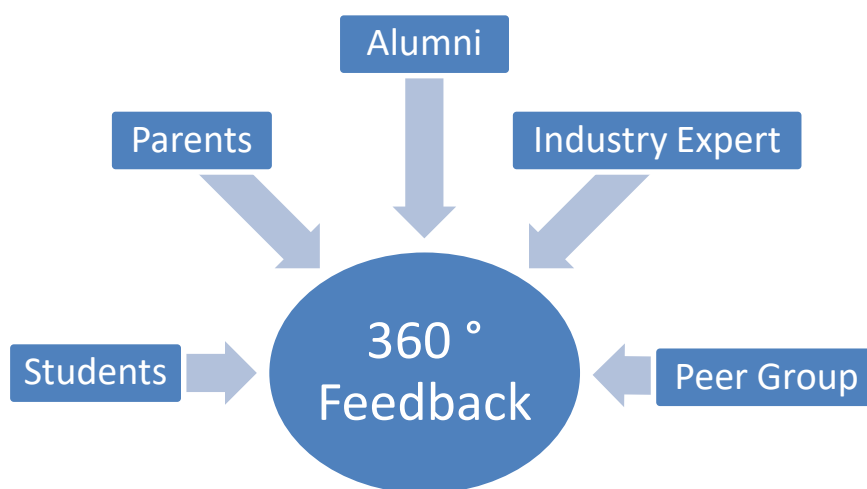


Fig 1: Stakeholders of University for 360° Feedback

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.

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 Fig. 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)

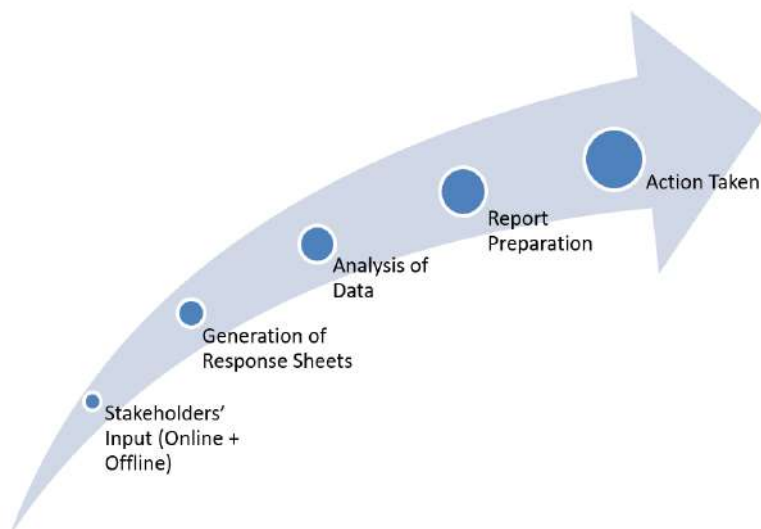


Fig 2: 360 ° Feedback Process

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

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

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

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

**Subject Matter**

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

**Teaching Learning Process**

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

**Use of Learning Resources**

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



### Evaluation Process

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

### General Points

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

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

The responses of the students are collected and analysed at the Department level. The sample screenshots of the responses and their analysis are shown below in Fig. 3 and Fig. 4:

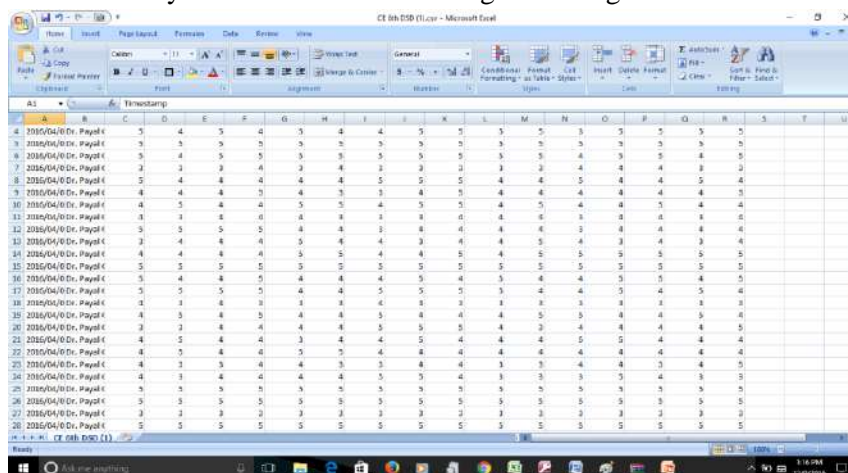


Fig. 3: Sample Responses

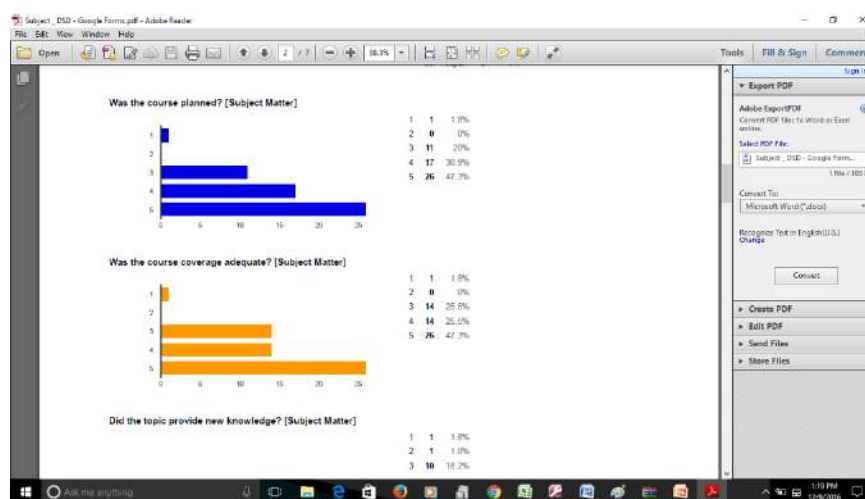


Fig. 4: Sample Analysis

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.

### **Evidence of Success**

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

1. Introduction of Credit based system
2. Latest Technologies and practices as elective subjects
3. CBCS
4. Grievance Portal
5. Better Sanitation facilities
6. Improved labs and infrastructure

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

- 1. 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.

### **2. 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.

### **Digital Learning Management System (DLMS)**

In order to facilitate the students to continue their study in the situation posed by corona virus pandemic, University has developed its own 'Digital Learning Management System' to provide the students a platform to access their study material, e-resources and enable them to interact with faculty members through live classes and discussion forums. Soon after the declaration of complete shut-down of University campus due to COVID-19 pandemic, it was a big challenge before the University to continue the study of students. It was the time, when Digital Cell initiated the process to develop University's own DLMS to continue the teaching learning process in the online mode. DLMS was developed in a short span of time and was launched on 31st March 2020 for adoption by students and teachers of the



University. Later, it was upgraded with the facility of live classes, attendance compilation and online test facility also to fulfill all the requirements of teaching-learning process.

The salient features of DLMS are:

- ✓ Easy to use interface for students and teachers
- ✓ Online scheduling facility of official meetings and live lectures
- ✓ Automated scheduling of live classes and attendance compilation
- ✓ Facility to upload the study material by teachers— in the form of recorded lectures, study notes, assignments, online resources
- ✓ Online assignment submission and evaluation facility
- ✓ 24×7 Anytime, Anywhere access to study material without geographic constraints: accessing uploaded lectures and notes
- ✓ Online audio-textual group discussion forums
- ✓ Online audio-video-textual live chat forum for teacher-student interaction
- ✓ Mail broadcasting facility for targeted groups
- ✓ News/announcements broadcasting in-built
- ✓ Quick access to important e-learning platforms (like SWAYAM, NPTEL, National e-library, University's e-library, Course era, Khan Academy etc.)
- ✓ Online test facility—Objective and subjective tests
- ✓ Online proctoring by image capturing facility during tests
- ✓ Overall administrative control on study material, lectures and assessments





## FINANCIAL SUMMARY







CONTROLLER OF FINANCE: SH. RAVI KUMAR SHARMA

Sr. No.	Head of Account	Actuals 2021-22	Actuals 2022-23	Budget Estimates 2023-24
	<b>RECEIPTS</b>			
A.	Opening Balance	-15.36	1,345.83	1,521.86
B.	State Govt. Grant	7,100.00	4,500.00	7,492.29
C.	Internal Receipts	2,047.36	2,584.73	2,557.00
D.	Self Financing Schemes	1,595.42	1,507.52	2,017.86
E.	Funding Agencies	375.62	531.02	155.00
	<b>Total</b>	<b>11,103.04</b>	<b>10,469.11</b>	<b>13,744.01</b>
	<b>EXPENDITURES</b>			
A.	State Govt. Grant	5,104.54	5,122.97	7,176.80
B.	Self Financing Schemes	1,720.68	1,675.18	2,151.20
C.	Funding Agencies	363.75	165.58	125.00
D.	Capital Expenditure	2,568.24	1,983.52	3,309.01
	<b>Total</b>	<b>9,757.21</b>	<b>8,947.25</b>	<b>12,762.01</b>

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

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)