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50 years of
Academic Excellence

ANNUAL REPORT
2019-20

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J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD

NAAC 'A' Grade Accredited State Govt. University
(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)
NH- 2, SECTOR-6, MATHURA ROAD FARIDABAD, HARYANA-121006

ANNUAL REPORT

2019-20

J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD

(Formerly known as YMCA University of Science and Technology, Faridabad)

NAAC Accredited 'A' Grade State Government University

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

NH-2, 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 2019-2020. 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 the 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 in 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/international journals and also reflects the numerous academic and co-curricular activities organized by the University.

The University recognized under 2(f) and 12(B) of UGC Act 1956, has made national presence by providing quality education during the last one year. The University has contributed immensely in the field of technical education and research. The wide spectrum of programmes offered by the University includes 15 Undergraduate, 17 Post-graduate and Ph.D. programmes in all disciplines. The University has started new courses of B.Tech inElectronics & Computer Engineering, M.Tech.(Power Electronics & Drives), MBA(Executive), MA(English) and BA(JMC) from the academic session 2019-20. The University is committed to provide quality and creative research in Engineering, Sciences and Management. 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. Dinesh Kumar
Vice-Chancellor

EDITORIAL COMMITTEE

The Annual Report of the J.C. Bose University of Science and Technology, YMCA, Faridabad for the year ending 31st March, 2020 is presented here. The Report contains information about the University bodies, faculty and staff positions, research initiates, academic progress, Departmental and co-curricular activities, placements and financial summary.

The Editorial Committee worked under the guidance of Dr. Vikas Turk and comprised of the following members:-

1. Dr.Arpita Chatterjee   Assistant Professor, Department of Mathematics
2. Dr.Rajiv Sindhwani   Assistant Professor, Department of Management
3. Mr.Ompal Singh   Assistant Professor, Department of Physics
4. Sh.Mukesh Kumar Gupta   HOS (Computer Engineering)
5. Sh.Jitender Singh Yadav   Public Relation Officer
6. Ms. Komal   Community College

The Report presents the highlights of the activities and achievements of the J.C. Bose University of Science and Technology, YMCA, Faridabad during the year 2019-2020. The information presented in this Report is based on the data/information provided to the Committee by the concerned Departments/Sections.

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THE UNIVERSITY

INTRODUCTION

J.C. Bose University of Science and Technology, YMCA, Faridabad formerly known as YMCA University of Science & Technology, Faridabad was established in 2009 vide Haryana Govt. Gazette Notification No.29 of 2009 dated 16.9.2009 (Haryana Act No. 21 of 2009). Earlier, known as YMCA Institute of Engineering, Faridabad, founded in the year 1969 as a Joint Venture of Govt. of Haryana and National Council of YMCA of India with active assistance from overseas agencies of West Germany to produce highly practical oriented personnel in specialized field of engineering to meet specific technical manpower requirement of industries. The University has been well known for its track record of employment of the pass out students since its inception. The University has been allowed to conduct B.Tech. Course of 4-Years duration from the session 1997-98 and students are admitted through centralized counselling conducted by agency nominated by State Govt. from time to time in 1st Year and also has been allowed to admit students in 2nd year through Lateral Entry Entrance Test. Besides Under Graduate Degree Courses like B.Tech., B.Sc., BCA, BBA, BA,the University is also running a number of Post Graduate Degree programmes like M.Tech, M.Sc., MBA, MCA, MA and Ph.D. It has excellent record of placement. The competence of the University has been recognized at various levels by the agencies like UGC (grant of 12B status), NAAC (Grade 'A' accreditation), NIRF (best ranking amongst State Engineering Universities in Haryana), etc.

The University is situated right on the National Highway No.2 known as Mathura Road, 32 Kms. from the Nation's Capital, New Delhi. It had been upgraded from erstwhile YMCA Institute of Engineering during session 2009-10. The University has its own Campus on a plot area of 20 acres. It is located in the growing and sprawling Faridabad-Ballabgarh Industrial Complex of Haryana. The University is well connected with Rail and Road Transport from Delhi/New Delhi.

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	25.08.2018
3.	Hon'ble Shri Satyadeo Narain Arya	25.08.2018	Till Date

VICE- CHANCELLOR

Sr. No.	Name	From	To
1.	Sh. A. K. Singh, IAS	01.12.2009	22.04.2010
2.	Sh. Mohinder Kumar, IAS	23.04.2010	30.03.2012
3.	Lt. Gen. (Retd.) K. S. Yadava	30.03.2012	30.03.2015
4.	Dr. Sandeep Grover	30.03.2015	03.11.2015
5.	Prof. Dinesh Kumar	04.11.2015	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	09.09.2014	30.03.2015
5.	Dr. Tilak Raj	30.03.2015	30.03.2016
6.	Dr. Sanjay Kumar Sharma	29.03.2016	29.03.2019
7.	Dr. Raj Kumar	30.03.2019	06.09.2019
8.	Dr. Sunil Kumar Garg	06.09.2019	Till date

DEANS

Dean's Name	Faculty / Other
Dr. Sandeep Grover	Dean, Quality Assurance
Dr. Tilak Raj	Dean, Institutions
Dr. P. R. Sharma	Dean, Colleges
Dr. M. L. Aggarwal	Dean, Faculty of Engineering & Technology
Dr. Vikram Singh	Dean, Management Studies
Dr. Vikram Singh	Dean, Placement, Alumni and Corporate Affairs
Dr. Ashutosh Dixit	Dean, Faculty of Sciences
Dr. Vikas Turk	Dean, Academics Affair
Dr. Lakhwinder Singh	Dean, Student Welfare
Dr. Komal Kr. Bhatia	Dean, Faculty of Informatics and Computing
Dr. Atul Mishra	Dean, Faculty of Liberal Arts & Media Studies
Dr. Arvind Kumar	Dean, Inter-disciplinary Studies
Dr. Rajesh Kumar Ahuja	Dean, Research and Development

CHAIRPERSONS OF DEPARTMENTS

Name	Department
Dr. Raj Kumar	Department of Mechanical Engineering
Dr. M.L. Aggarwal	Department of Civil Engineering
Dr. Komal Kr. Bhatia	Department of Computer Engineering
Dr. Manjeet Singh	Department of Computer Applications
Dr. Neelam Turk	Department of Electronics Engineering
Dr. Poonam Singhal	Department of Electrical Engineering
Dr. Anuradha Sharma	Department of Physics
Dr. Neetu Gupta	Department of Mathematics
Dr. Ravi Kumar	Department of Chemistry
Dr. Renuka Gupta	Department of Environmental Sciences
Dr. Ravi Kumar	Department of Life Sciences

Dr. Ashutosh Nigam	Department of Management Studies
Dr. Atul Mishra	Department of Liberal Arts & Media Studies

OTHER OFFICERS

Position	Name of Official
First Appellate Authority	Dr. C.K. Nagpal
Controller of Examination	Dr. Rajiv Kumar Singh
Director- IQAC	Dr. Hari Om
Controller of Finance&Proctor	Dr.MunishVashisth
Chief Hostel Warden (Boys)	Dr. Vikas Turk
Chief Hostel Warden (Girls)	Dr. Sandhya Dixit
Training & Placement Officer	Prof. Sanjeev Kumar
Principal, Community College for Skill Development & Director, Alumni Affairs	Dr.Sanjeev Goyal
Dy. Dean – Student Welfare	Dr. Anuradha Pillai
Dy. Librarian	Dr. P.N. Bajpai
DR – Establishment	Dr. Meha Sharma
DR – Store & Purchase and Affiliation	Mr. Manish Gupta
Workshop Superintendent	Sh. Vivek Sharma
Medical Officer	Dr. Ankur Sharma
Executive Engineer	Mr. Ajay Taneja
System Analysts cum Programmer	Mr. Ankit Pannu
Public Relations Officer - Nodal Officer (RTI)	Mr. Jitender Singh Yadav
Assistant Law Officer – ASPIO	Ms. Renu Dagar

UNIVERSITY AT A GLANCE

STRENGTH OF STAFF		
Sr. No.	**Details (2019-20)**	**Count**
1.	Teaching Staff	138+36 (Contractual)
2.	Non-Teaching & Technical Staff	159+5 (SFS)
ACADEMIC DETAILS		
1.	Ph.D. Admissions	19
2.	Student Admissions	1439
3.	Total Existing Students	4205
4.	Student Placements	399
UNIVERSITY FINANCES (PLAN & NON PLAN) (IN LACS)		
1.	Opening Balance as on 1st April 2018	4097.30
2.	Receipt/Income	11746.61
3.	Expenditure	7649.31

MEETINGS OF UNIVERSITY BODIES (2019-20)

Sr. No.	Name of Body	Meeting Held
1.	University Court	8th meeting held on 27.04.2020
2.	Executive Council	37th meeting held on 22.04.2020
3.	Finance Council	12th meeting held on 13.04.2020
4.	Academic Council	19th meeting held on 06.04.2020

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 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 resolution of the annual report, annual budget and the annual accounts of the University and on 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 as	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- Engg& Tech	Ex-Officio Member	
7	Dean- HAS	Ex-Officio Member	
8	Dean- Management	Ex-Officio Member	
9	Dean-Informatics & Computing	Ex-Officio Member	
10	Controller of Finance	Ex-Officio Member	
11	Controller of Examinations	Ex-Officio Member	

12	Librarian	Ex-Officio Member	
13	Prof. Rajendra Kumar Anayath, VC D.C.R UST, Murthal	23.08.2018	22.08.2020
14	Dr. S.S. Pattnaik, Director NITTR Chandigarh	23.08.2018	22.08.2020
15	Dr. Chandra C. Tripathi, Professor- Kurukshetra University	23.08.2018	22.08.2020
16	Dr.Dharminder Kumar, Professor GJU-Hisar	23.08.2018	22.08.2020
17	Dr.Neera Verma, Professor-Kurukshetra University	23.08.2018	22.08.2020
18	Dr. Arvind Kumar, Professor	23.08.2018	22.08.2020
19	Dr. Hari Om- Professor	23.08.2018	22.08.2020
20	Dr. Atul Mishra- Professor	23.08.2018	22.08.2020
21	Dr. Vikas Kumar- Professor	23.08.2018	22.08.2020
22	Dr.Lakhwinder Singh- Professor	23.08.2018	22.08.2020
23	Dr. Sanjeev Kumar, Associate professor	23.08.2018	22.08.2020
24	Dr. Vasudev Malhotra, Associate Professor	23.08.2018	22.08.2020
25	Sh. Bal Krishan, Assistant Professor	23.08.2018	22.08.2020
26	Dr. Sandhya Dixit, Assistant Professor	23.08.2018	22.08.2020
27	Registrar-Member Secretary	23.08.2018	22.08.2020

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 appropriate authorities of the University.

CONSTITUTION OF PLANNING BOARD

Sr. No.	Name of Member	Duration of Membership	
		From	Till
1	Prof. Dinesh Kumar, Vice Chancellor	Ex-Officio Chairman	
2	Secretary to Govt, Finance Deptt, Haryana	Ex-Officio Member	
3	Secretary to Govt, Technical Education Deptt, Haryana	Ex-Officio Member	
4	Director General-Technical Education, Haryana	Ex-Officio Member	
5	Controller of Finance, JC Bose UST	Ex-Officio Member	
	Members as nominated by Hon'ble Chancellor		
6	Prof. Tankeshwar Kumar, VC, GJUST, Hisar	Member	
7	Prof. K.C. Sharma, VC, Kurukshetra University	Member	
8	Prof. K.K Agarwal, Former VC, GGSIP University, Delhi	Member	
9	Prof. Yogesh Singh, VC, Delhi Technological University	Member	
10	Prof. S.P. Bansal, VC, HPTU, Hamirpur (HP)	Member	
11	Prof. P.J. George, Director, KITM Kurukshetra	Member	
12	Dr. Prashant Bhalla, President, Manav Rachna Education Institutions	Member	
13	Registrar, JC Bose UST -Member Secretary	Ex-officio	

C) **EXECUTIVE COUNCIL OF THE UNIVERSITY**

Section-15 of University Act:

The Executive Council shall be principal executive body of the University. Its constitution is as per provisions of 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 create teaching and academic posts, to determine the number and emoluments of such post and to the duties of Professors, Associate Professors, Assistant Professors and other academic staff and Deans of University.

FORMATION OF EXECUTIVE COUNCIL

Sr. No.	Name of Member	Duration of Membership	
		From	**Till**
1	Dr. Dinesh Kumar, Vice Chancellor& Chairman	Ex-Officio Member	
2	Secretary-Finance Deptt, Haryana	Ex-Officio Member	
3	Secretary-Technical Education Deptt, Haryana	Ex-Officio Member	
4	DG- Technical Education Deptt, Haryana	Ex-Officio Secretary	
5	Dr. Sandeep Grover, Dean –Institutions	23.08.2018	22.08.2020
6	Dr. Raj Kumar, Dean (HAS), JCBUST,YMCA	23.08.2018	22.08.2020
7	Dr. Arvind Gupta, Dean- Management, JCBUST,YMCA	23.08.2018	22.08.2020
8	Dr. Komal Kumar Bhatia, Dean– I&C, JCBUST,YMCA	23.08.2018	22.08.2020
9	Dr. P.R.Sharma- Professor –JCBUST, YMCA	23.08.2018	22.08.2020
10	Dr. Naresh Chauhan-Professor-Computer Engg.	23.08.2018	22.08.2020
11	Sh. Raj Nehru, Vice Chancellor-Haryana Vishwakarma Skill University, Transit Office, Gurugam	23.08.2018	22.08.2020
12	Dr. Rajbir Singh, Vice Chancellor-State University of Performing & Visual Arts, Rohtak	23.08.2018	22.08.2020
13	Dr. N.C. Wadhwa, Retd. IAS,	23.08.2018	22.08.2020
14	Dr. (Mrs.) Shimla, Former Registrar-YMCAUST & BPS Mahilla University, Sonepat	23.08.2018	22.08.2020
15	Dr. K.K. Gupta, Principal-Aggarwal College, Ballabgarh	23.08.2018	22.08.2020
16	Sh. Naveen Sood, Chairman, Vee Gee Industries, FBD	12.09.2019	11.09.2021

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, JCB UST	Ex-Officio Member	
6.	Registrar- JCBUST	Ex-Officio Member Secretary	
7.	Dr. Komal Kumar Bhatia, Dean-FIC	15.07.2019	14.07.2021
8.	Dr. Arvind Gupta, Dean- MBA	15.07.2019	14.07.2021
9.	Dr. K.P. Kaushik, Professor, National Institute of Financial management (Nominee-Governor)	15.07.2019	14.07.2021
10.	Dr. Neera Verma, Professor-Department of Economics, Kurukshetra University (Nominee-Governor)	15.07.2019	14.07.2021

E) ACADEMIC COUNCIL

Section-16 (1) of University Act:

1. The Academic Council shall be principal academic body of the University and shall, subject to the provisions of this Act, the Statues and Ordinances, co-ordinate and exercise general supervision over all academic policies of the University.
2. The constitution of Academic Council, the term of its office members, its power and functions are as per provision of 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.	Dean-Institutions	Ex-Officio Member	
4.	Dean- Engg & Tech	Ex-Officio Member	
5.	Dean- HAS	Ex-Officio Member	
6.	Dean- Management	Ex-Officio Member	
7.	Dean- Informatics & Computing	Ex-Officio Member	
8.	Dean – Academics	Ex-Officio Member	
9.	Dean- Colleges	Ex-Officio Member	
10.	Controller of Finance	Ex-Officio Member	
11.	Controller of Examinations	Ex-Officio Member	
12.	Librarian	Ex-Officio Member	

13.	Dr.P.R.Sharma, Professor-FET	01.09.2018	31.08.2020
14.	Dr. Naresh Chauhan, Professor-Informatics & Computing	01.09.2018	31.08.2020
15.	Dr. Ashutosh Nigam, Professor-MBA	01.09.2018	31.08.2020
16.	Dr. Atul Mishra, Professor- Informatics & Computing	01.09.2018	31.08.2020
17.	Dr. Anju Gupta, Associate Professor-FET	01.09.2018	31.08.2020
18.	Dr. Neetu Gupta, Associate Professor-HAS	01.09.2018	31.08.2020
19.	Dr. Manisha Goel, Associate Professor-MBA	01.09.2018	31.08.2020
20.	Dr. Mukesh Gupta, Assistant Professor-FET	01.09.2018	31.08.2020
21.	Dr. Harish Kumar, Assistant Professor- Informatics & Computing	01.09.2018	31.08.2020
22.	Dr. Reena Garg, Assistant Professor-HAS	01.09.2018	31.08.2020
23.	Sh. Rajiv Sindhwani, Assistant Professor-MBA	01.09.2018	31.08.2020
24.	Dr. Renuka Gupta, Assistant Professor- HAS	01.09.2018	31.08.2020
25.	Prof. S.C.Goyal, Professor (Retd)-CCS AU, Hisar	01.09.2018	31.08.2020
26.	Dr.Indu Shekhar Shastri, GM-Indian Oil Corporation	01.09.2018	31.08.2020
27.	Dr. B. Prasad, Professor- Kurukshetra University	01.09.2018	31.08.2020
28.	Dr. P.J. George, Professor (Retd) Kurukshetra University	01.09.2018	31.08.2020
29.	Sh. Naresh Aggarwal, MD-Deep Drilling & Offshore (P) Ltd.	01.09.2018	31.08.2020
30.	Dr. S.K. Goel, MD- Star Wire, Faridabad	01.09.2018	31.08.2020
31.	Dr. Ashok Agarwal, Professor, Kurukshetra university	01.09.2018	31.08.2020
32.	Prof. Randhir Singh, Dean-Academics HVSU, Gurugram	01.09.2018	31.08.2020
33.	Registrar- Member Secretary	01.09.2018	31.08.2020

FILLED AND UNFILLED

FACULTY & STAFF POSITIONS

DEPARTMENT AND COURSE-WISE FACULTY POSITIONS AND STATUS

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	16
		M.Tech.	Self-Financed	Professor	01	00
				Associate Professor	01	00
				Assistant Professor	01	01
2.	Computer Engineering Department	B.Tech. (Computer Engineering)	Aided course	Professor	02	01
				Associate Professor	04	04
				Assistant Professor	09	09
		M.Tech.	Self-Financed	Professor	02	00
				Associate Professor	02	00
				Assistant Professor	02	02
		B.Tech. (Information Technology)	Self-Financed	Professor	02	00
				Associate Professor	04	00
				Assistant Professor	09	09
		M.Tech (Information Technology)	Self-Financed	Professor	01	00
				Associate Professor	01	00
				Assistant Professor	01	01
		Master of Computer Applications	Self-Financed	Professor	01	00
				Associate Professor	02	01
				Assistant Professor	04	04
3.	Electrical Engineering Department	B.Tech.	Aided course	Professor	02	01
				Associate Professor	04	03
				Assistant Professor	09	09
		M. Tech.	Self-Financed	Professor	01	00
				Associate Professor	01	00
				Assistant Professor	01	01

4.	Electronics & Instrumentation Control Department	B.Tech.	Aided course	Professor	02	01
				Associate Professor	04	02
				Assistant Professor	10	10
5.	Electronics & Communication Engineering Department		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 Professor	02	01
6.	Humanities & Sciences Department		Aided Course	Assistant Professor	10	10
			Self-Financed	Professor	05	00
				Associate Professor	05	00
				Assistant Professor	14	05
7.	MBA Department	MBA	Self-Financed	Professor	01	01
				Associate Professor	02	02
				Assistant Professor	06	06
8.	Chemistry Department	B.Sc.	Aided Course	Professor	00	00
				Associate Professor	01	00
				Assistant Professor	06	03
		M.Sc.	Aided Course	Professor	01	00
				Associate Professor	01	01
				Assistant Professor	06	00
9.	Environmental Science 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	03

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11.	**Mathematics Department**	**B.Sc.**	**Aided Course**	Professor	00	00
				Associate Professor	01	00
				Assistant Professor	06	03
12.	**Civil Department**	**B.Tech**	**Aided Course**	Professor	01	00
				Associate Professor	02	00
				Assistant Professor	04	03
13.	**Bio Tech**	**M.Sc.**	**Aided Course**	Professor	01	00
				Associate Professor	02	00
				Assistant Professor	04	00
14.	**Micro Biology**	**M.Sc.**	**Aided Course**	Professor	01	00
				Associate Professor	02	00
				Assistant Professor	04	00

NON- TEACHING/ ADMINISTRATIVE/ TECHNICAL STAFF
(NON-PLANNED) POSTS

Sr.No.	Name of Post	Pay Band + Grade Pay (Rs.)	No. of Post sanctioned by FD	No. of post filled in	No. of Post lying vacant
1.	Vice Chancellor	HAG	01	01	00
2.	TPO	37400-67000 + 10000	01	00	01
3.	Workshop Supdt.	15600-39100+8000	01	01	00
4.	System Manager	15600-39100+7600	01	01	00
5.	Dy. Registrar (To be designated as AR)	15600-39100+ 5400	02	02	00
6.	Assistant Registrar	15600-39100+ 5400	04	03	01
7.	Dy. Supdt	9300-34800+ 4000	10	04	06
8.	PA	9300-34800+ 4000	01	01	00
9.	Accountant	9300-34800+ 3600	01	00	01
10.	J.E (Civil)	9300-34800+ 4000	01	01	00
11.	Librarian (to be designated as Asstt. Librarian)	15600-39100+6000	01	01	00
12.	Library Counter Clerk	5200-20200+ 1900	03	02	01
13.	HOS	9300-34800+5400	07	07	00
14.	System Analyst cum Programmer	9300-34800+5400	01	01	00
15.	Sr. Instructor	9300-34800+4200	08	08	00
16.	Instructors	9300-34800+3600	16	14	02
17.	Technician	9300-34800+ 3600	08	03	05
18.	Lab Technician	9300-34800+3600	03	01	02
19.	Assistant cum DEO	9300-34800+ 3600	19	18	01
20.	Sr. Stenographer	9300-34800+ 3600	05	05	00
21.	Dispenser	9300-34800+ 3600	01	01	00
22.	Sr. Storekeeper	9300-34800+ 3600	01	00	01
23.	Jr. Stenographer	5200-20200+ 2400	07	02	05
24.	Clerk-cum-JDEO	5200-20200+ 1900	32	23	09
25.	Electrician- Gr-II	5200-20200+ 2400	01	01	00
26.	Electrician- Gr-I	9300-34800+3200	02	02	00
27.	Driver	5200-20200+ 2400	02	02	00
28.	Carpenter	5200-20200+ 1900	01	01	00

29.	Lab Assistant	5200-20200+1900	12	10	02
30.	Male Dispensary Attendant	4440-7440+ 1400	01	00	01
31.	Peon	4440-7440+ 1300	14	10	04
32.	Helper/ Attendant	4440-7440+ 1300	14	09	05
33.	Lab Attendant	4440-7440+ 1300	09	00	09
34.	Medical Officer (Part Time) Male	20,000/- pm consolidated	01	01	00
35.	Medical Officer (Part Time) Female	20,000/- pm consolidated	01	00	01
	TOTAL (AIDED)		**193**	**136**	**57**

NON- TEACHING/ ADMINISTRATIVE/ TECHNICAL STAFF (PLANNED) POSTS

Sr. No.	Name of Post	Pay Band + Grade Pay (Rs.)	No. of Post sanctioned by FD	No. of post filled in	No. of Post lying vacant
1.	Registrar	37400-67000+ 10000	01	01	00
2.	Controller of Finance	37400-67000+10000	01	00	01
3.	Controller of Exam	37400-67000+10000	01	01	00
4.	Dy.Registrar	15600-39100+7600	06	03	03
5.	Assistant Law Officer	9300-34800+4600	01	01	00
6.	Executive Engineer (Civil)	15600-39100+6000	01	00	01
7.	SDE (Civil)	9300-34800+5400	01	01	00
8.	Director Physical Education	15600-39100+6000	01	00	01
9.	Public Relation Officer	9300-34800+5400	01	01	00
10.	Superintendant	9300-34800+4200	08	01	07
11.	Dy. Supdt	9300-34800+ 4000	02	00	02
12.	Private Secretary to VC	9300-34800+4200	01	00	01
13.	PA	9300-34800+ 4000	02	02	00
14.	J.E (Electrical)	9300-34800+4000	01	01	00
15.	Librarian (University)	37400-67000+10000	01	00	01
16.	Library Attendant cum Restorer	5200-20200+1900	01	00	01

17.	Lab Assistant	5200-20200+1900	02	02	00
18.	Assistant cum DEO	9300-34800+ 3600	02	00	02
19.	Cashier	9300-34800+3600	01	01	00
20.	Storekeeper	5200-20200+1900	01	00	01
21.	Clerk-cum-JDEO	5200-20200+ 1900	06	03	03
22.	Electrician- Gr-I	9300-34800+3200	01	01	00
23.	Generator Operator	5200-20200+1900	01	01	00
24.	Lineman	5200-20200+2400	01	00	01
25.	Plumber Gr.II	5200-20200+2400	01	01	00
26.	Matron	5200-20200+1900	01	00	01
27.	Nurse	9300-34800+4200	01	01	00
28.	Medical Officer	9300-34800+5400	01	01	00
	TOTAL (AIDED)		**49**	**23**	**26**

NON-TEACHING/ ADMINISTRATIVE/ TECHNICAL STAFF (UNDER SFS) POSTS

Sr. No.	Name of Post	Pay Band + Grade Pay (Rs.)	No. of Post sanctioned by FD	No. of post filled in	No. of Post lying vacant
1.	Assistant Library Professional	9300-34800+3600	01 (SFS)	01	00
2.	Library Counter Clerk	5200-20200+ 1900	03 (SFS)	00	03
3.	HOS (SFS)	9300-34800+5400	02 (SFS)	00	02
4.	Sr. Instructor (SFS)	9300-34800+4200	02 (SFS)	01	01
5.	Instructor (SFS)	9300-34800+3600	02 (SFS)	01	01
6.	Technician (SFS)	9300-34800+3600	02 (SFS)	00	02
7.	Data Entry Operator	5200-20200+ 1900	04 (SFS)	02	02
	Total		16	05	11

NON-TEACHING STAFF (REGULAR)

Sr.No.	Name	Designation	Date of Joining
1.	Prof. Dinesh Kumar	Vice Chancellor	04.11.2015
2.	Dr. Sunil Kumar Garg	Registrar	06.09.2019
3.	Dr. Rajiv Kumar Singh	Controller of Examinations	01.03.2014
4.	Sh. Vivek Sharma	Workshop Superintendent	06.02.2017
5.	Sh. S C Kaushik	Chief Account Officer (on deputation against Dy. Registrar post)	16.01.2017
6.	Dr.Meha Sharma	Dy. Registrar	09.09.2019
7.	Sh. Manish Gupta	Dy. Registrar	11.09.2019
8.	Sh. Himanshu Gandhi	System Manager	12.08.2009
9.	Dr. Ankur Sharma	Medical Officer	08.02.2017
10.	Sh. Vikash Sharma	Asstt. Registrar	23.11.2016
11.	Sh. Sachin Gupta	Asstt. Registrar	24.11.2016
12.	Ms. Jyoti Mor	Asstt. Registrar	30.10.2019
13.	Vishal Kumar	Asstt. Registrar	30.10.2019
14.	Sh. Gaurav Garg	Asstt. Registrar	30.10.2019
15.	Sh. Ajay Taneja	Executive Engineer	03.11.2016
16.	Sh. P.N.Bajpai	Assistant Librarian	28.03.2006
17.	Sh. Ankit Pannu	System Analyst Cum Programmer	27.11.2018
18.	Sh. Rajpal	Superintendent	01.12.1983
19.	Smt. Renu Chawla	Personal Assistant	20.03.1986
20.	Sh. Dinesh Arora	Personal Assistant	17.11.1989
21.	Sh. Satya Pal Kalyan	Personal Assistant	30.04.1993
22.	Sh. A.K. Sharma	SDE (Civil)	23.12.1994
23.	Sh. Om Prakash	JE (Electrical)	07.03.2008
24.	Sh.Tulsi Ram Chauhan	JE (Civil)	16.07.2014
25.	Smt. RenuDagar	Asstt. Law Officer	11.07.2014
26.	Sh. Jitender Singh Yadav	Public Relation Officer	31.07.2014
27.	Ms. Sarita Jain	Nurse	05.08.2014

28.	Sh. Sanjay Singh	Dy. Supdt.	14.01.2013
29.	Sh. Sharad Fuloria	Dy. Supdt.	28.11.2013
30.	Ms. Arti Singh	Dy. Supdt.	26.11.2013
31.	Sh.Jogender Singh Gaud	Dy. Supdt.	05.12.2012
32.	Sh. Saurabh Chaudhary	Assistant	17.01.2013
33.	Sh. Abhinav	Assistant	19.12.2016
34.	Ms. Anuradha	Assistant	09.11.2012
35.	Mr. Naresh Kumar	Assistant	09.11.2012
36.	Ms. Lalita Kumari	Assistant	08.11.2012
37.	Ms. Jyoti Gaur	Assistant	09.11.2012
38.	Sh. ShishupalKesri	Assistant	09.11.2012
39.	Mr. Mahender Saini	Assistant	09.11.2012
40.	Sh. Jaswant	Assistant	25.07.2014
41.	Sh. Mohit Sharma	Assistant	25.07.2014
42.	Ms. Sandhya Jaiswar	Assistant	24.01.2013
43.	Sh. Rajdeep	Assistant	01.08.2014
44.	Sh. Parvinder Kumar Ranga	Assistant	09.08.2019
45.	Sh. Yash Chauhan	Assistant	09.08.2019
46.	Sh. Sushil Kumar	Assistant	20.08.2019
47.	Sh. Sunil Dutt	Assistant	04.09.2019
48.	Sh. Sunil Vats	Assistant	09.09.2019
49.	Sh. Raj Kumar	Assistant	29.11.2019
50.	Sh. Ankur Gupta	Cashier	28.07.2016
51.	Ms. Richa Rani	Sr. Steno	04.12.2013
52.	Ms. Seema Sharma	Sr. Steno	15.01.2013
53.	Smt. Sunita	Sr. Steno	18.07.2014
54.	Sh. Rajeev Sharma	Sr. Steno	05.02.2013
55.	Sh. Prince	Sr. Steno	02.08.2016

56.	Ms. Sakshi	Jr. Steno	07.08.2019
57.	Ms. Gita Devi	Jr. Steno	19.08.2019
58.	Sh. Ankur Bhushan Goyal	Dispenser	06.06.2012
59.	Sh.Balwan Singh	Clerk	06.11.1987
60.	Sh. Shiv Raj	Clerk	11.03.1991
61.	Mr. Hem Singh	Clerk	24.01.2013
62.	Sh.Parmod Kumar	Clerk	01.08.2014
63.	Mr. Jitender	Clerk	27.09.2002
64.	Mr. Sanjay Mishra	Clerk	07.08.2006
65.	Sh. Navdeep Singh	Clerk	07.09.2018
66.	Ms. Pargya Rashmi	Clerk	07.09.2018
67.	Sh. Kishan Singh	Clerk	06.08.2019
68.	Sh. Parveen Kumar	Clerk	07.08.2019
69.	Sh. Narottam Vats	Clerk	08.08.2019
70.	Sh. Bharat Singh	Clerk	08.08.2019
71.	Sh. Sonu Sagar	Clerk	09.08.2019
72.	Sh. Jitesh	Clerk	19.09.2019
73.	Sh. Puneet	Clerk	09.08.2019
74.	Sh. Kishan Dass	Clerk	09.08.2019
75.	Sh. Chander Shekher	Clerk	09.08.2019
76.	Sh. Amarjeet Singh	Clerk	13.08.2019
77.	Sh. Devender Kumar Sharma	Clerk	13.08.2019
78.	Sh. Mahesh Kumar	Clerk	14.08.2019
79.	Sh. Sawan Kumar Sah	Clerk	13.09.2019
80.	Sh. Satish Kumar	Clerk	18.09.2019
81.	Sh. Sukhvinder	Clerk	02.12.2019

82.	Sh. Parvesh Thakur	Clerk	03.12.2019
83.	Ms. Sapna	Clerk	26.05.2020
84.	Sh. Avnish Kumar Gaur	Lab Technician	04.08.2014
85.	Ms. Savita Devi	Lab Assistant	08.09.2014
86.	Ms. Suman Sharma	Lab Assistant	06.08.2019
87.	Ms. Ankita	Lab Assistant	07.08.2019
88.	Sh. Deepak Rawat	Lab Assistant	07.08.2019
89.	Ms. Sarita	Lab Assistant	07.08.2019
90.	Sh. Jawahar Lal	Lab Assistant	08.08.2019
91.	Sh. Sachin Sharma	Lab Assistant	08.08.2019
92.	Sh. Virender Singh	Lab Assistant	09.08.2019
93.	Sh. Vinod Kumar	Lab Assistant	09.08.2019
94.	Sh. Naveen Kumar Yadav	Lab Assistant	29.08.2019
95.	Sh. Krishan Kumar	Lab Assistant	05.12.2019
96.	Sh. Bhagwat Dayal	Electrician	14.03.2012
97.	Sh. Ashok Kumar	Electrician	14.03.2012
98.	Sh. Anil Kumar	Electrician	19.11.2012
99.	Sh. Chand Kishore	Electrician Grade-II	11.07.2014
100.	Sh. Ram Niwas	Driver	05.03.1997
101.	Sh. Jagdish Sharma	Driver	15.03.2012
102.	Sh.Tipu Singh	Plumber	11.07.2014
103.	Sh.Bijender	Carpenter	13.08.2012
104.	Ms. Sadhna Bajpai	Library Counter Clerk	21.01.2008
105.	Sh. Saurabh Dixit	Library Counter Clerk	05.09.2018
106.	Ms. Pooja	Library Attendant Cum Restorer	12.09.2018
107.	Sh.Avnish Kumar Sharma	Generator Operator	14.07.2014
108.	Mr. NareshPahadia	Peon	13.03.2012
109.	Mr. Heera Lal Prajapat	Peon	12.03.2012
110.	Mr. Raj Kumar	Peon	12.03.2012

111.	Mohd. Sakir	Peon	22.03.2012
112.	Mr. Jagbir Singh	Peon	20.03.2012
113.	Mr. Ram Prakash	Peon	19.03.2012
114.	Mr. Satbir	Peon	20.03.2012
115.	Mr. Satish Chand Parewa	Peon	20.03.2012
116.	Sh. Mohit Kumar	Peon	25.11.2013
117.	Sh. Amit Kumar Saroha	Peon	25.11.2013
118.	Mr. Mahabir Singh	H/Attendant	17.11.1994
119.	Mr. Rajbir	H/Attendant	01.04.1998
120.	Mr. Jang Bahadur Singh	H/Attendant	04.06.2001
121.	Mr. Satish Kumar	H/Attendant	22.10.1996
122.	Mr. Pappi	H/Attendant	05.04.1990
123.	Mr. Varun	H/Attendant	21.03.2012
124.	Mr. Kailash	H/Attendant	25.07.2014
125.	Mr.Jai KishanVerma	H/Attendant	25.07.2014
126.	Mr. Bishan Pal	H/Attendant	09.11.1987
127.	Dr. Amit Gupta	Medical Officer (Part Time)	

WORKSHOP STAFF (REGULAR)

Sr.No.	Name	Designation	Date of Joining
1.	Sh. Vivek Sharma	Workshop Superintendent	06.02.2017
2.	Sh. Manmohan Kakkar	Head of Section (RAC)	10.08.2006
3.	Sh. Lalit Mohan	Head of Section (ECE)	15.07.1994
4.	Dr. Dharam Vir	Head of Section (EIC)	13.07.1992
5.	Sh. Satpal	Head of Section (GEW)	18.08.2006
6.	Sh. Ashish Pal	Head of Section (FWSMT)	29.01.2008
7.	Sh. Mukesh Kumar Gupta	Head of Section (CE)	29.09.2006
8.	Sh. Atul Sharma	Head of Section (M/Shop)	12.04.2012
9.	Mrs. Kusum Arora	Sr. Instructor	16.10.2006
10.	Dr. Mukesh Kumar Garg	Sr. Instructor	19.10.1993
11.	Sh. Pawan Kumar	Sr. Instructor	26.03.2012
12.	Sh. Sunder Singh	Sr. Instructor	17.08.2006
13.	Sh. Rahish Kumar	Sr. Instructor	15.02.2008
14.	Sh. Sulender	Sr. Instructor	04.08.2006
15.	Sh. Mukesh Kumar	Sr. Instructor	06.10.2006
16.	Sh. Bhagat Singh	Sr. Instructor	18.09.2006
17.	Mrs. Dipika Nayak	Instructor	25.01.2008
18.	Sh. Sanjay Kumar	Instructor	23.01.2008
19.	Sh. Sanjay Upadhyay	Instructor	08.02.2008
20.	Sh. Sanjay Kumar	Instructor	29.01.2008
21.	Sh. UdaiNarain Singh Kushwaha	Instructor	09.04.2012
22.	Sh. Mahinder	Instructor	03.08.2006
23.	Sh. Vijay Kumar	Instructor	02.08.2006
24.	Mrs. Poulami Jana	Instructor	01.02.2008
25.	Ms. LavitaVirmani	Instructor	11.07.2014
26.	Sh. Suresh Kumar	Instructor	01.02.2008
27.	Sh. Puran Lal	Instructor	08.07.2013
28.	Sh. Fateh Singh	Instructor	03.04.2012
29.	Sh. Krishan Kumar	Instructor	11.07.2014

30.	Sh. Krishan Bhardwaj	Instructor	08.07.2013
31.	Sh. Baij Nath	Technician	09.07.2013
32.	Sh. Varinder Singh	Technician	11.07.2014
33.	Sh. Ram Avtar	Technician	02.08.2006

NON-TEACHING & WORKSHOP STAFF (UNDER SFS) AS ON 31.07.2020

Sr.No.	Name	Designation	Date of Joining	Remarks
1	Sh. Jitender Kumar	Sr. Instructor (IT)	26.03.2012	Tenure
2	Sh. Mohan Singh	Instructor (IT)	26.03.2012	Tenure
3	Mr. Ashwini Manchanda	DEO	08.11.2012	Tenure
4	Mr. Jaswant Pahadia	DEO	07.10.2013	Tenure
5	Ms. Hema Singh	Asstt. Library Professional	15.10.2012	Tenure

RESEARCH ACTIVITIES

RESEARCH INITIATIVES AND COURSES

Ph.D program was started in YMCA in the year 2010. Till now, more than 179 students of 2010, 2011, 2012, 2014, 2015, 2016, 2017 and 2018 batches are enrolled for Ph.D. programmes in the discipline of Mechanical Engineering, Electrical Engineering, Electronics Engineering,Computer Engineering, Management, Physics, Environmental Sciences, Chemistry and Mathematics.

Academic session	Computer Engineering	Mechanical Engineering	Electrical Engineering	Humanities and Applied Sciences	Management Studies
2010-2011	14	15	5	-	-
2011-2012	10	13	17	11(8 Physics + 3 Maths)	8
2012-2013	13	25	7	2	4
2013-2014	-	-	-	-	-
2014-2015	-	03	01	02	-
2015-2016	04	04	02	01	-
2016-2017	04	04	02	1(Maths)	-
2017-2018	05	08	14	2(Physics) 01(English) 01 (Mathematics) 01(Chemistry)	01
2018-2019	06	01	03	4(Physics) 01(EVS) 01(English) 01(Mathematics)	02
2019-2020	25	07	04	06(Physics) 01(English) 06(Mathematics) 03(Chemistry)	014

Electronics Engineering: 05

Interdisciplinary: 01

PLACEMENT OF STUDENTS

PLACEMENT OFFICE

Training and Placement Officer: Dr. Lakhwinder Singh,
Assistant Training and Placement officer: Dr. Sapna Gambhir
Assistant Training and Placement officer: Dr. Nikhil Dev

Other Staff:
Mr. Rajiv Sharma, Sr. Steno Training and Placement office
Mr. Raj Kumar, Assistant Training and Placement office

INTRODUCTION:

Training and Placement Cell has the goal to provide employment opportunities and world class training to students in leading organizations. Since its inception in 1969, the curricula of the then institute, now University has been widely acclaimed and accepted by the industries. The students undergo one-semester training in their final year which is unique to the University and allows the students to have a firsthand experience of the corporate world. The University has an excellent placement record. Our students are getting selected for all major locations across India and overseas like China and UAE also.

LAST FIVE YEARS DATA SHEET

Sr.No.	Year	Total Offers	Numbe of companies	Highest package	Avarage package
1	2015-2016	421	85	20 LPA	3.76 LPA
2	2016-2017	329	73	27 LPA	4.61 LPA
3	2017-2018	322	138	27 LPA	3.73 LPA
4	2018-2019	399	188	28.75 LPA	3.82 LPA
5	2019-2020	338	139	28.75 LPA	--

PLACEMENT STATISTICS 2019 PASSED OUT BATCH

Sr.No.	Name of Company	No. of Offers	PKG Offered Lacs per annum	For branches visited
1	Johnshon Hitachi	14	5 LPA, 14000/-PM	B.Tech Mech.
2	Hero Moto corp	7	5000/-PM	B.Tech Mech./EL
3	Escorts	7		MBA
4	STM	10	21000/-PM	B.Tech CS/IT/ECE
5	Escorts	8		B.Tech Mech
6	Danfoss	2	10000/-PM	B.Tech Mech
7	Dabur	3	12000/-PM	B.Tech EIC,Mech.
8	Grand Slam Fitness	2		MBA
9	Suvidha	4	5000/-PM	B.Tech Mech.

10	IOCL	1	5000/-PM	B.Tech Mech
11	LG	12		B.Tech ECE,EIC,EL,Mech
12	Sketch Design	3	2500/-PM	B.Tech ECE,EIC
13	Cadence	1		B.Tech ECE,EIC
14	Emtech	8		B.Tech ECE,EIC
15	Eicher	10	8000/-PM	B.Tech Mech.
16	KPMG	5	4.72 to 5.1LPA	B.Tech CS/IT
17	Posist	1	8.5 LPA	B.Tech CS/IT
18	TCS	52	3.5 LPA	B.Tech B.Tech, M.Tech /MCA/
19	Gemini Solutions	4	4.8 to 5.4 LPA	B.Tech CS/IT
20	HCL	11	3.5 UG, 4.75 PG LPA	B.Tech CS,IT, M.Tech CS,IT,MN
21	Amazon	8	40000/-PM, 28.75 LPA	B.Tech CS,IT, M.Tech CS,IT,MN
22	Samsung	26	10.5 LPA	B.Tech CS,IT,ECE,EIC
23	Josh Technology	4	7.5 LPA	B.Tech CE,IT, ECE, M.Tech, MCA
24	Thought2Binary	1	3-4 LPA	B.Tech CE,IT
25	Libsys	3	5 LPA	B.Tech CE,IT, MCA
26	Yamaha	4	5 LPA, 21000/-PM	B.Tech CE,IT,M.Tech, CE,IT,CN, MCA
27	Grapecity	1	3 to 4.3 LPA	B.Tech CE,IT, MCA
28	Maruti Suzuki	4	8 LPA	B.Tech CE,IT, ECE,EIC, Mech.
29	India Mart	1	2.5 LPA	MBA
30	STM	12	21000/-PM	M.Tech, B.Tech
31	Hughes	3	5 LPA	B.Tech CE,IT
32	Polestar	1	3.47 LPA 12000/-PM	B.Tech CE
33	Grappus	1	4.5 LPA	B.Tech CE,IT
34	OYO	4	4 LPA	B.Tech CE,IT,ECE, MCA
35	Omax	2	5.5 LPA	B.Tech Mech. /EL
36	Acezd	1	3 LPA/ 10000/-PM	B.Tech IT
37	Webkul	2	3.2 LPA	B.Tech IT
38	Emtech Foundation	8		B.Tech CE,IT,MCA
39	Traveloka	1	10 LPA, 35000/-PM	B.Tech IT,CE
40	Infoedge	1	6.5 LPA	B.Tech CE,IT,MCA
41	Just Dial	3	2.88 LPA, 20000/-PM	B.Tech CE,IT,ECE
42	Cogneau	1	10000/-PM	B.Tech CE,IT,MCA
43	Sapient	1	21000/-PM	B.Tech CE,IT,MCA
44	New Holland	6	2.4 LPA	M.Tech Mech
45	Daffodils	1	3.5 LPA	B.Tech CE,IT,MCA
46	IFB	3	3.2 LPA	B.Tech CE,IT,MCA

47	VG & Associates	1	7000/-PM	B.Tech CE,IT,MCA
48	Mphasis	1	2.5 LPA	B.Tech CE,IT,EIC
49	SMS Group	7	4 LPA	B.Tech ECE,EIC,EL,Mech
50	ISGEC	8	4.47 LPA	B.Tech ECE,EIC,EL,Mech
51	Federal Bank	3	6.9 LPA	MBA, B.Tech ECE
52	Sanden Vikas	1	3 LPA	M.Tech
53	Infosys	8	3.4 LPA	M.Tech, B.Tech
54	Sirion Labs	3	11 LPA	B.Tech CE,IT,ECE,EIC
55	IFB	5	4.5 LPA	B.Tech ECE,EIC,EL,Mech
56	BCH	1	4.5 LPA	B.Tech ECE,EIC,EL,Mech
57	Reliance Jio	7	2.53 LPA	B.Tech ECE,EIC,IT
58	Zia Semi Conductor	1	2.7 LPA	B.Tech EIC
59	Havells	13	3.6 LPA	B.Tech ECE,EIC,EL,Mech
60	Mediatek	1	6.9 LPA	B.Tech ECE,EIC,EL,Mech
61	Panasonic	3	5 LPA	B.Tech ECE,EIC,Mech.
62	JTEKT	6	4 to 5.5 LPA	B.Tech Mech, MBA
63	Eckovation	1	3 LPA	B.Tech CE,IT,ECE
64	Johnson Control	18	4 LPA	B.Tech ECE,EIC,EL,Mech
65	VIVO	5	2.16 to 3.36 LPA	MBA, B.Tech, MCA
66	Dabur	1	7.25 LPA	B.Tech Mech.
67	Infosys	1	3.5 LPA	B.Tech ECE
68	ICAT	4	2.4 LPA	B.Tech ECE
69	Denso	1	4.2 LPA	B.Tech EIC
70	Pinclick	7	4.8 LPA	B.Tech EIC, MBA
71	United Petrochem Pvt. Ltd.	2		MBA
72	Micro Precision Products	2	1.8 LPA	Mech.
73	Artic Refrigeration	7	2.5 to 3 LPA	Mech.
74	Raptor Supplies	2	2.8 LPA	B.Tech EL, MBA
75	NCCBM	2	3.6 LPA	B.Tech EL
76	MV Electrosystem Pvt. Ltd.	9	4-10 LPA	B.Tech, M.Tech

EVENTS/ACTIVITIES/ACHIEVEMENTS DURING THE YEAR

Sr. No.	Date	Name of Activity	Number of Participants
1.	01.08.2019	Personality Development Class (150 Hours)	258
2.	05.08.2019-07.08.2019	Employability skill test	1000
3.	08.04.2019	Challenges in Corporate world (New Holland)	93
4.	10.10.2019	"Insight of Behavioural Science in today's Dynamic Environment" Guest Lecture, Sh. Abhishek Sharma, Manager-Human Resources, JK Lakshmi Cement Ltd. New Delhi	175
5.	10.10.20219	"Enterpreneurship" Guest Lecture, Sh. Preet Kamal Singh, Vice-President ICICI, Securities Ltd.	175
6.	14.12.2019	Job Fair	175

UNIVERSITY
HEALTH CENTRE

HEALTH CENTRE

Medical Officer: Dr.Ankur Sharma

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 and one part time doctor, one nurse, one pharmacist, one clerk/typist, one dispensary attendant and one helper attendant. The Health caters the need of all the students and staff, including regular check up and medicines for common ailments. The average of yearly out-door patients are about 10250 which include patients comes during odd hours.

The team of qualified doctors is always available for students. In case of emergency, the student is immediately transported to the hospital via University ambulance which is provided free of cost to the students. Computerised ECG, Laboratory investigation facilities with Haematology analyser and biochemistry analyser 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. MP by Card Method
3. Typhi Dot
4. LFT
5. KFT
6. LIPID PROFILE
7. Blood Group
8. Widal
9. ECG

ACTIVITIES CONDUCTED

- As a precautionary measure, due to spread of Covid 19 pandemic Fogging and sanitization has been done on regular Intervals in the whole University Campus.
- Dr Ankur Sharma Medical Officer of the University along with his staff Members has been working regularly during the pandemic situation and the Health centre also remains open during the lockdown Period.
- 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.
- Mask and sanitizer were distributed in all the departments of the University.
- Online consultation given to the COVID-19 Patients.
- Thermal scanning of all the Faculty, staff Members, students and Visitors those who are entering the University Campus is being done on both entrances.
- Advisory also given on regular intervals to staff Members of the University.

CAMPS ORGANISED

- In order to aware the students about adverse effects of Tobacco consumption, The Health Centre organised a health Talk on ill effects of consuming tobacco on 24 January 2020.
- A Health Talk on HIV was organised on World's HIV day in the University Campus.

UNIVERSITY HOSTEL

BOY'S HOSTEL

Chief Warden: Dr.Vikas Kumar
Additional Chief Warden: Dr. Krishan Verma

All the Boy's Hostel on the university campus are under the supervision of Chief Warden (Boy's Hostel). There are three boy's hostels on the sprawling campus of university. The Following table lists the strength of students residing in different Hostels as in March, 2020 along with names of Warden.

Sr. No.	Name of Hostel	No. of Resident	Name of Wardens
1	Nehru Hall	120	Dr. O.P Mishra
2	Zakir Hall	120	Sh. Ashish Pal
3	C.V Raman Hall	98	Dr. Mahesh Chand

The university hostels provide accommodation to the students of university teaching departments. All the boys Hostels are situated in the vicinity of the Post office and Indian overseas Bank. Mess arrangement exists in all the hostels on contract basis. Some of the facilities which have been provided to the residents are: LPG system of cooking in Kitchen, big size pressure cookers, geysers for hot water in winter season, fans and power plugs in each rooms of the hostel, water cooler with water purifier etc. Hard bed, Racks, Table, chairs are also available to all the inmates.

In hostels, the students themselves manage their messes through their elected Mess-committees and enjoy food of their liking. To provide the hygienic food, the refined oil, milk, rice etc. of standard brands are used for cooking in all the messes after procuring from Government and non –Govt. agencies.

In addition, there is a dedicated staff of 13 members who cater to the needs of the boys 24x7. The staff includes Resident warden, Mess clerk, Data Entry Operator, Hostel Attendants, Home Guard.
The University provides Hostel accommodation to the undergraduate 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 boys 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 students representatives to maintain the standards and quality of the food items. Facility of shift canteen is also provided to the boys at the time of exams.
2. Well ventilated and capacious rooms.
3. 24x7 RO water supply and water tank clean regularly.
4. First aid and 24x7 Ambulance facilities.
5. Sports and Recreational Facilities.
6. CCTV surveillance
7. Geysers
8. Newspapers and Magazines supply
9. Apart from all the facilities mentioned above pest control and fumigation/spray for protection from rats and mosquitoes is done on regular basis.
10. Expert lectures are organized to create awareness amongst the boys to maintain hygiene and cleanliness.

11. Self Defense, Anti Ragging, Anti drugs, Career counseling and Yoga classes are also organized time to time.
12. The hostel administration organizes a hostel 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.
13. 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.
14. Feedback registers, Complaint registers and suggestion box are maintained to address the grievances of the students.
15. Maintain the Mess food Inspection report, Student feedback report, and cleanliness report.

GIRLS HOSTEL

Chief Hostel Warden: Dr Sandhya Dixit
Additional Chief Hostel Warden: Dr Manvi

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	No. of Students	Name of the Warden
1.	Mother Teresa Wing	88	Ms. Lavita Virmani
2.	Kalpana Chawla Wing	112	Ms. Anubha Gautam
3.	Sarojini Wing	79	Dr. Rewa Sharma
4.	Kasturba Wing	84	Ms. Manju

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, lady guards, sweepers, data entry operator.
The University provides Hostel accommodation to the undergraduate, post graduate and PhD 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 students 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 and Guest room.
4. 24x7 RO water supply and water tank clean regularly.
5. First aid and 24x7 Ambulance facilities.
6. Badminton and Basketball courts.
7. Sports and Recreational Facilities
8. CCTV surveillance. More cameras are added in year 2018-19

9. Biometric Attendance System, manually attendance and daily entry record
10. Sanitary Napkin Vending Machines and Incinerators in all the wings.
11. Geysers
12. Induction Cook Tops and grilled sandwich makers.
13. Newspapers and Magazines supply
14. Wi-Fi
15. Soft water tank has been constructed in year 2018-19 to provide soft water to the girls
16. Apart from all the facilities mentioned above pest control and fumigation/spray for protection from rats and mosquitoes is done on regular basis.
17. Expert lectures are organized to create awareness amongst the girls to maintain hygiene and cleanliness.
18. Self Defense, Anti Ragging, Anti drugs, Career counseling and Yoga classes are also organized time to time.
19. The hostel administration organizes a hostel 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.
20. 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.
21. Feedback registers, Complaint registers and suggestion box are maintained to address the grievances of the students.
22. Maintain the Mess food Inspection report, Student feedback report, and cleanliness report.

EVENTS/ACTIVITIES DURING THE YEAR

Sr.No.	Date	Name of Activity	Number of Participants
01.	01/10/2019	DANDIYA NIGHT "Dandiya Night was organised in the YMCA Girls Hostel premises." Traditional dandiya music along with some peppy and popular bollywood numbers kept everyone glued to the dance floor all through the evening.	220
02.	11/10/2019	FRESHER'S NIGHT "The Fresher's party aka the Hostel Night was organised in the YMCA Girls Hostel premises." It was a welcome relief to the first year students. The evening began with the Fashion show followed by the Talent show like acting,dancing and singing. Lastly party was ended with a dinner and dance party.	280
03.	01/10/2019	NAVRATRI CELEBRATION Navratri celebration in presence of Hostel Wardens, Hostel Staff and Students. Also a kirtan was organised in Girls hostel premises.	100
04.	17/01/2020	HEALTH AWARENESS CAMP "Health Awareness camp was organised in Girls Hostel premises." A Team of doctors from the Sarvodaya hospital came for the checkup and also aware the girls about several health issues.	180

UNIVERSITY CELL

UNIVERSITY CELL

The University carry out various activities under the different cells. The details of different Cell functional in the University are as under:

INTERNAL QUALITY ASSURANCE CELL (IQAC)

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.

OBJECTIVES OF IQAC

1. To develop a quality system for conscious, consistent and catalytic programmed action to improve the academic and administrative performance of the University.

2. To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

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:

a) Development and application of quality benchmarks/parameters for the various academic and administrative activities of the University.

b) 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;

c) Initiate documentation of the various programmes/activities of the University, leading to quality improvement.

d) Inculcate a system of transparency and mutual trust among stakeholders.

e) Sensitization and dissemination of information on the various quality parameters of higher education.

f) Preparation of the Annual Quality Assurance Report (AQAR)

CONSTITUTION OF IQAC DURING ACADEMIC YEAR 2019-20

Current constitution of IQAC was notified on 13/07/2018 and is valid for two years.

S. NO.	NAME	DESIGNATION
1.	Vice Chancellor, YMCAUST, Faridabad	Chairman
2.	Registrar, YMCAUST, Faridabad	Member
3.	Prof. Sandeep Grover, YMCAUST Faridabad	Member
4.	Prof. Tilak Raj, YMCAUST Faridabad	Member
5.	Prof. Komal Bhatia, YMCAUST, Faridabad	Member
6.	Dr. Manisha Goel, YMCAUST, Faridabad	Member
7.	Dr. Anuradha Sharma, YMCAUST, Faridabad	Member
8.	Dr. Neetu Gupta, YMCAUST, Faridabad	Member
9.	Dr. Shailender Gupta, YMCAUST, Faridabad	Member
10.	Dr. Sakshi Kalra, YMCAUST, Faridabad	Member
11.	Controller of Finance, YMCAUST, Faridabad	Member
12	Dr. Rajiv Singh, Controller of Examinations, JCBUST, YMCA, Faridabad	Member
13.	Prof. Dinesh Kumar, Deptt. of Geophysics, Kurukshetra University, Kurukshetra	Member (Outside Expert)
14.	Prof. Z. A. Khan, Deptt. of Mech. Engg., Jamia Millia Islamia, N Delhi	Member (Outside Expert)
15.	Prof. Naresh Grover, Deptt. of Electronics Manav Rachna Int. Institute of Research and Studies, Faridabad	Member (Outside Expert)
16.	Mr. Sukhdev Singh- Managing Director & Chief Executive Officer Hind Hydraulics Pvt. Ltd., Faridabad	Member (Outside Expert)
17.	Prof. Hari Om, YMCAUST, Faridabad	Director -IQAC (Member Secretary)

MEETINGS/ACTIVITIES OF IQAC DURING YEAR 2019-20

S. No.	Activities/Meetings taken up during the academic year 2019-20.	Date of Conduct
1	8th IQAC meeting	18/09/2019
2	Orientation Program for Newly inducted staff	19/09/2019
3	9th IQAC Meeting	23/12/2019
4	Conduct of NAAC sponsored workshop	12/02/2020
5	Orientation Program for Newly inducted faculty and staff	20/02/2020
6	10th IQAC meeting	19/03/2020
7	Conduct of Expert lectures	23/03/2020
8	Conduct of international symposium	10/06/2020
9	Conduct of One day Training program for non-teaching staff	30/06/2020
10	11th IQAC meeting	08/07/2020
11	Preparation and implementation of Various policies at university level	Prepared and approved during the year
12	Verification of score for Promotion under CAS cases	As and when cases were received during the Year

DIGITAL INDIA CELL

Digital Cell was established in 2015 to implement the Digital India Campaign launched by Hon'ble Prime Minister Sh. Narendra Modi Ji. Digital India campaign is to make ensure that Government services are made available to citizens electronically by improving online infrastructure, by increasing Internet connectivity and by making the country digitally empowered in the field of technology.

Digital Cell aims to conduct events related to Digital India campaign at the University level and works as a link between Govt. initiatives and the University. The cell also works to aware students and staff about the Digital Pedagogical strategies, Govt. Digital Payment systems, Apps and other Digital Initiatives.

Cell is working to progress the university towards digital universe and conducting workshops related to digital payment missions, digi-locker facility, MOOCs, digital literacy and consumer services for our students and staff. Our University has worked in a direction to implement National Academic Depository, Digi-Locker scheme, SWAYAM Prabha and credit transfer via SWAYAM MOOCs. University is an active local chapter of SWAYAM and has been continuously awarded highest AAA grade for its distinguished performance. University has also tied up with Indian Inst of Remote Sensing ISRO to become an outreach centre for remote learning of space

technologies. University is the single in the state that has been funded by MHRD for establishment of 13 Digital classrooms. The digital notice boards have also been installed at 8 different places in the University. Even during this pandemic, when most of the institutes were shut down, Cell took the initiative to develop our own Digital Learning Management System (DLMS) to continue our teaching learning process successfully.

MEMBERS

1.	Dr. Neelam Duhan (Asstt. Prof, CE)	Nodal Officer
2.	Dr. Anuradha (Asstt. Prof, CE)	Coordinator
3.	Sh. Umesh (Asstt. Prof, CE)	Member
4.	Ms. Manju (Asstt. Prof, Electronics)	Member
5.	Dr. Rashmi Popli (Asstt. Prof, CE)	Departmental Coordinator
6.	Dr. Preeti Sethi (Asstt. Prof, CE)	Departmental Coordinator
7.	Sh. Bal Krishan (Asstt. Prof, Electronics)	Departmental Coordinator
8.	Sh. Mukesh Gupta (Asstt. Prof, ME)	Departmental Coordinator
9.	Sh. Atma Ram (Asstt. Prof, Elect.)	Departmental Coordinator
10.	Sh. Nitin Goel (Asstt. Prof, Elect.)	Departmental Coordinator
11.	Dr. Yogesh Kumar Morya (Asstt. Prof, Civil)	Departmental Coordinator
12.	Dr. Vedpal (Asstt. Prof, MCA)	Departmental Coordinator
13.	Dr. Heena Gupta (Asstt. Prof, Chemistry)	Departmental Coordinator
14.	Dr. Renu Aggarwal (Asstt. Prof, MBA)	Departmental Coordinator
15.	Ms. Jyotsna Chawla (Asstt. Prof, MBA)	Departmental Coordinator
16.	Dr. Nisha Singh (Asstt. Prof, Maths)	Departmental Coordinator
17.	Ms. Anita Girdhar (Asstt. Prof, EVS)	Departmental Coordinator
18.	Mr. Ompal Singh (Asstt. Prof, Physics)	Departmental Coordinator
19.	Dr. Taruna Narula (Asstt. Prof, JMC)	Departmental Coordinator
20.	Ms. Sonia Hooda (Asstt. Prof, JMC)	Departmental Coordinator
21.	Dr. Reena Grewal (Asstt. Prof, Eng)	Departmental Coordinator
22.	Sh. Ankit Pannu (System Analyst)	Member
23.	Sh. Omdev (Programmer)	Member
24.	Sh. Jitender Singh Yadav (PRO)	Member

BROAD OBJECTIVES

▸ To implement Nine Pillars of Digital India
▸ To enhance Digital Learning by using Govt. Platforms like SWAYAM-NPTEL.
▸ Enhance paper-less working and cashless transactions in the University
▸ To implement NAD and Digital lockers for students/staff and facilities provided
▸ To familiarize students/staff about Digital Payment systems and Tele Medicine Consulting services
▸ To conduct Digital Literacy Programs
▸ To acquaint our staff about the programs under ministry of Social & Justice
▸ To consult services provided by Common service centre- delivery arm
▸ Skills initiatives and employment opportunities
▸ To implement various schemes/facilities provided by UGC/AICTE/other Govt. bodies in the University.

ACTIVITIES & ACHIEVEMENTS

1. Our University is the active National Local Chapter on SWAYAM/NPTEL platform though which monitoring of MOOC enrolment/registration in the university can be analysed. University bagged A grade in July-Dec 2019 with approx 700 registrations and distinction in Jan-July 2020 with approx 1900 registrations during pandemic with more than 90% pass percentage in both the semesters.

2. Approx 70 and 150 distinct MOOC Courses were completed by students/faculty in July-Oct 2020 and Jan-Apr 2020 respectively.

3. As per AICTE mandate, many faculty members of the University enrol on NPTEL/SWAYAM for enhanced learning/ certification.

4. In Nov 2019, Digital Notice Boards have been installed at 09 different locations and departments in the University including library and lobby areas. Digital Notice boards will replace the conventional paper-based notice boards for displaying important information and announcements to the students.

5. In Jan-2020, 13 Digital Classrooms have been established in the University for Digital teaching. Digital classrooms are equipped with flipped interactive panels for interactive teaching-learning and have been funded by MHRD.

6. In March 2020 during COVID-19 pandemic, the team developed our own Digital Learning Management System (DLMS) to continue the teaching-learning process in the University in the online mode. DLMS provided easy to use interface for students and teachers to upload and access study material in the form of recorded lectures, study notes, assignments & online resources. DLMS also facilitated online tests, scheduling of official meetings and live lectures for continuing the teaching process.

7. University has already established National Academic Depository (NAD) to store all the academic awards/certificates digitally. Now, as per UGC mandate, NAD is being linked with digi-lockers of the students.

8. In June 2020, University tied up with Indian Institute of Remote Sensing (IIRS), ISRO Dehradun, Government of India, for online outreach programmes. The university has become the networked institute of IIRS outreach network and its Nodal center in mid of June 2020 to upgrade the skills of students in the area space technology.

9. Workshops & Programmes on MOOCs, Credit Transfer process, Digital Lockers and e-learning have been organized for students/staff.

Date	Name of Activity	Number of Participants
22.07.2019	Awareness of MOOCs & Credit Transfer Policy to Newly admitted BBA/BSc/BCA/MSc students in Induction Program	200 students
29.07.2019	Workshop on "MOOCs & Digital Learning" for UTDs & Affiliated Colleges	50 faculty members
22.08.2019	Awareness of MOOCs & Credit Transfer Policy to Newly admitted B.Tech students in Induction Program	300 students
Nov 2019	Establishment of 09 Digital Notice Boards at different places in the University	-
31.01.2020	National Workshop on NPTEL Awareness funded by NPTEL, IIT Madras	285 faculty members nation-wide

Jan 2020	Establishment of 13 Digital Classrooms funded by MHRD under TEQIP-III	-
14.02.2020 to 06.03.2020	Course on Digital Transformation in Teaching-Learning Process by IIT Bombay, SWAYAM and NPIU	34 faculty members
March 2020	Development of Digital Learning Management System (DLMS)	-
06.04.2020 to 22.04.2020	Course on Digital Transformation in Teaching-Learning Process by IIT Bombay, SWAYAM and NPIU	122 faculty members
07.05.2020	Launch of Digital Platforms for e-learning cum Workshop	90 faculty members and students
June 2020	Tie-up with Indian Institute of Remote Sensing (IIRS), ISRO Dehradun, Government of India	-
June 2020-July 2020	03 IIRS, ISRO courses on Application of Geoinformatics in Ecological Studies, Satellite Photogrammetry and its Application, Geospatial Inputs for Enabling Master Plan Formulation	32, 24 & 8 students respectively

विद्यार्थी अंतरिक्ष प्रौद्योगिकी सीखेंगे

अवसर

फरीदाबाद | वरिष्ठ संवाददाता

करार

- वाईएमसीए और आईआईआरएस देहरादून में हुआ करार
- ऑनलाइन आउटरीच कार्यक्रमों के लिए नोडल सेंटर बनाया

जेसी बोस विज्ञान और प्रौद्योगिकी विश्वविद्यालय (वाईएमसीए) को इंडियन इंस्टीट्यूट ऑफ रिमोट सेंसिंग (आईआईआरएस), इसरो देहरादून ने अपना नेटवर्क संस्थान के रूप में ऑनलाइन आउटरीच कार्यक्रमों के लिए नोडल सेंटर बनाया है। अब वहां के विद्यार्थियों तथा शिक्षकों को भी आईआईआरएस इसरो के ऑनलाइन आउटरीच कार्यक्रमों के माध्यम से अंतरिक्ष प्रौद्योगिकी को जानने और सीखने का अवसर मिल सकेगा।

विश्वविद्यालय ने अंतरिक्ष प्रौद्योगिकी और संबंधित अनुप्रयोगों के क्षेत्र में अकादमिक और उपयोगकर्ता के बीच मजबूती बनाने के लिए ऑनलाइन

आउटरीच कार्यक्रमों के लिए आईआईआरएस इसरो के साथ समझौता किया है। कंप्यूटर इंजीनियरिंग विभाग की डॉ. नीलम दूहन को इसका नोडल सेंटर का कोऑर्डिनेटर नियुक्त किया है। विश्वविद्यालय के कुलपति प्रो. दिनेश कुमार का कहना है कि आईआईआरएस इसरो के सभी पाठ्यक्रम उच्च श्रेणी के हैं, जोकि आईआईआरएस इसरो के वैज्ञानिकों और कुशल शिक्षकों के माध्यम से पढ़ाया जा रहा है। आईआईआरएस नोडल सेंटर की कोऑर्डिनेटर डॉ. नीलम

दूहन ने बताया कि ई-लर्निंग मोड के माध्यम से चलाए जा रहे आउटरीच सर्टिफिकेशन प्रोग्राम में न्यूनतम 70 प्रतिशत उपस्थिति अनिवार्य है। पाठ्यक्रम पूरा होने के उपरांत आईआईआरएस इसरो एक परीक्षा का आयोजन करता है, जिसमें न्यूनतम 40 प्रतिशत अंक प्राप्त करने वाले प्रतिभागी को आईआईआरएस इसरो की ओर से प्रमाण पत्र प्रदान दिया जाएगा।

उन्होंने बताया कि विश्वविद्यालय से सिविल इंजीनियरिंग, इलेक्ट्रॉनिक्स इंजीनियरिंग, मैकेनिकल इंजीनियरिंग, भौतिकी और पर्यावरण विज्ञान के विद्यार्थी सक्रिय रूप से इन पाठ्यक्रमों में हिस्सा ले सकते हैं। ग्लोबल नेविगेशन सेटेलाइट सिस्टम को लेकर 27 जुलाई, 3 अगस्त तथा 17 अगस्त से शुरू हो रहा है। विश्वविद्यालय के नोडल सेंटर में 100 से अधिक प्रतिभागियों ने पंजीकरण करवाया है।

डिजिटल लर्निंग प्लेटफार्म देगा घर से पढ़ाई करने की सहूलियत

- **जेसी बोस विवि ने 'डिजिटल लर्निंग मैनेजमेंट सिस्टम' विकसित किया**

फरीदाबाद, 1 अप्रैल (ब्यूरो) : विद्यार्थियों को कोरोना वायरस महामारी के कारण उत्पन्न स्थिति में विद्यार्थियों को पढ़ाई जारी रखने की सुविधा प्रदान करने के उद्देश्य से जे.सी. बोस विज्ञान एवं प्रौद्योगिकी विश्वविद्यालय, वाईएमसीए, फरीदाबाद ने कम समय में विश्वविद्यालय को डिजिटल इंडिया सेल की टीम द्वारा कंप्यूटर इंजीनियरिंग विभाग के अध्यक्ष डॉ. कोमल भाटिया तथा कंप्यूटर एप्लीकेशन विभाग के अध्यक्ष डॉ. अतुल मिश्रा की देखरेख में विकसित किया गया है।

कुलपति प्रो. दिनेश कुमार ने विश्वविद्यालय के डिजिटल लर्निंग मैनेजमेंट सिस्टम (डीएलएमएस) का शुभारंभ कुलपति प्रो. दिनेश कुमार ने वीडियो कॉन्फ्रेंसिंग के माध्यम से किया। इस डिजिटल प्लेटफार्म को विश्वविद्यालय के डिजिटल इंडिया सेल की टीम द्वारा बहुत ही कम समय में विकसित किया गया है। इसकी मदद से विद्यार्थी घर से पढ़ाई जारी रख सकते हैं। कुलपति ने इस

भी एक बड़ी चुनौती थी कि विद्यार्थियों की पढ़ाई को कैसे जारी रखा जाए। इस चुनौती को स्वीकार करते हुए डिजिटल इंडिया सेल ने अपना डिजिटल प्लेटफार्म विकसित कर एक बेहतरीन समाधान खोजा है। उन्होंने कहा कि कोरोनावायरस के कारण विश्वविद्यालय परिसर को पूरी तरह से बंद करने की घोषणा के बाद से विश्वविद्यालय के सामने

आवश्यतानुसार किया जाएगा अपग्रेड

प्लेटफार्म को आवश्यकता अनुसार अपग्रेड किया जाएगा तथा लाइव लेक्चर आदि की सुविधा भी दी जाएगी।

डॉ. नीलम दूहन ने बताया कि विश्वविद्यालय के डिजिटल लर्निंग प्लेटफार्म के माध्यम से अध्ययन सामग्री अपलोड करने,

प्रौद्योगिकीवर्धक लर्निंग पर आधारित राष्ट्रीय कार्यक्रम के तहत करवाई कार्यशाला

ऑनलाइन पाठ्यक्रमों में रुचि लें विद्यार्थी : प्रो. दिनेश कुमार

बल्लभगढ़, 4 फरवरी (संदीप प्रसार) : मुक्त ऑनलाइन पाठ्यक्रमों के माध्यम से डिजिटल लर्निंग के प्रति जागरूकता लाने के उद्देश्य से जे.सी. बोस विज्ञान एवं प्रौद्योगिकी विश्वविद्यालय, वाईएमसीए, फरीदाबाद द्वारा आईआईटी मद्रास के सहयोग से प्रौद्योगिकीवर्धक लर्निंग पर आधारित राष्ट्रीय कार्यक्रम (एनपीटीईएल) पर एक राष्ट्रीय स्तरीय कार्यशाला का आयोजन किया गया। कार्यशाला के संचालन विश्वविद्यालय के डिजिटल इंडिया सेल द्वारा कंप्यूटर इंजीनियरिंग विभाग के सहयोग से किया गया। कार्यशाला में देशभर के विभिन्न शैक्षणिक संस्थानों के 200 से अधिक

कुलपति प्रो. दिनेश कुमार को स्मृति चिन्ह भेंट करते हुए कुलसचिव डॉ. सुनील कुमार गर्ग।

प्रतिभागियों ने हिस्सा लिया। कार्यशाला का उद्घाटन कुलपति प्रो. दिनेश कुमार ने किया तथा उद्घाटन सत्र को संबोधित किया। इस अवसर पर कुलसचिव डॉ. सुनील कुमार गर्ग, विभिन्न विभागों के डीन, अध्यक्ष और डिजिटल इंडिया सेल के सदस्य भी उपस्थित थे। इस अवसर पर

बोलते हुए कुलपति प्रो. दिनेश कुमार ने ऑनलाइन पाठ्यक्रमों के महत्व पर बल दिया। उन्होंने विद्यार्थियों और संकाय सदस्यों को डिजिटल लर्निंग के विभिन्न माध्यमों से अवगत रहने तथा स्वयम प्लेटफॉर्म पर चलाए जा रहे एनपीटीईएल पाठ्यक्रमों में और अन्य पाठ्यक्रमों में रुचि लेने के लिए कहा तथा कार्यशाला की सफलता के लिए शुभकामनाएं दीं। कंप्यूटर इंजीनियरिंग विभाग के अध्यक्ष डॉ. कोमल कुमार भाटिया ने मुख्य अतिथि और कार्यशाला के विशेषज्ञ वक्ताओं को पौधा भेंट किया। डिजिटल इंडिया सेल के नोडल अधिकारी डॉ. नीलम दूहन ने प्रतिभागियों का स्वागत किया तथा

कार्यशाला के व्यापक उद्देश्यों के बारे में जानकारी दी। उन्होंने विश्वविद्यालय द्वारा की जा रही विभिन्न डिजिटल पहलों के बारे में भी बताया।

आईआईटी मद्रास से एनपीटीईएल समन्वयक प्रो. प्रताप हरिदास और वरिष्ठ परियोजना प्रबंधक एनपीटीईएल भारती बालाजी कार्यशाला में विशेष रूप से वक्ता रहे। कार्यशाला के दौरान आईआईटी कानपुर की तकनीकी टीम से अजय करौंजिया और वैशाली भी उपस्थित थे। प्रो. हरिदास ने प्रतिभागियों को वीडियो कॉन्फ्रेंसिंग के जरिये संबोधित किया और एनपीटीईएल पाठ्यक्रमों पर विस्तार

से जानकारी दी। भारती बालाजी ने एनपीटीईएल पर उपलब्ध पाठ्य सामग्री के बारे में बताया। उन्होंने इंजीनियरिंग और विज्ञान संकाय के लिए विशेष रुचिकर पाठ्यक्रमों के बारे में जानकारी दी। उन्होंने प्रतिभागियों को एनपीटीईएल पाठ्यक्रमों और स्वयम-एनपीटीईएल के लोकल चैप्टर की प्रमुख विशेषताओं से अवगत कराया। कार्यशाला में स्वयम-एनपीटीईएल के लोकल चैप्टर शुरू करने की प्रक्रिया की भी जानकारी दी गई। कार्यशाला के समापन सत्र में डिजिटल इंडिया सेल की समन्वयक डॉ. अनुराधा ने कार्यशाला की रिपोर्ट तथा धन्यवाद प्रस्ताव प्रस्तुत किया।

WOMEN WELFARE CELL

This cell functions for the effective enforcement of the basic human rights of gender equality & guarantee against sexual harassment & abuse.

CONSTITUTION

- Dr. Anju Gupta, Associate Professor – Chairperson
- Dr. Rashmi Aggarwal, Assistant Professor – Member
- Mr. Bharat Bhushan, Assistant Professor – Member
- Mr.Mukesh Garg, Senior Instructor – Member
- Ms. Renu Dagar, Assistant Law Officer – Member
- Mr. Rajiv Sharma, Junior Steno – Member
- Mr. Manmohan Kakker, HOS – Member
- Deputy Registrar (Estb) – Member
- Ms. Poulami Jana, Instructor – Member
- Prof. Richa Tanwar, Professor, Kurukshetra University, Kurukshetra – Outside Member
- Prof. Bulbul Dher, Associate Professor, Jamia Milia Islamia – Outside Member
- Ms Chehak, Student Member
- Mr.Udbahv– Student Member

The broad objectives of the cell are as follows:

- This cell functions for the effective enforcement of the basic human rights of gender equality & guarantee against sexual harassment & abuse, more particularly against sexual harassment at work place.
- A committee named ICC (Internal Complaint Committee) has been constituted for the above said purpose. The above constitution is upto March, 2020. And the new Constitution of women cell is:

CONSTITUTION

- Dr. Neetu Gupta, Associate Professor – Presiding officer
- Dr. Anuradha Sharma, Assistant Professor – member
- Dr. Sapna Gambhir, Assistant Professor – member
- Dr Meha, Deupty Registrar - member
- Ms. Renu Dagar, Assistant Law Officer – Member
- Prof. Richa Tanwar, Professor, Kurukshetra University, Kurukshetra – Outside Member
- Mr Shrey - Student Member

MEETINGS HELD DURING THE YEAR

S.No.	Date of Meeting	Agenda of Meeting
01	27-06-2019	Workshop in village
02	11-07-2019	Workshop in village
03	06-09-2019	Regarding girls common room inauguration
04	11-09-2020	Regarding girls common room inauguration
05	12-02-2020	Women day celebration
06	14-02-2020	Women day celebration
07	17-02-2020	International women day on 8th march

07	02-03-2020	International women day on 8th march
08	04-03-2020	International women day on 8th march
09	15-07-2020	Webinar on "Knee Pain: Symptoms, Causes and Treatment"

EVENTS/ACTIVITIES/ACHIEVEMENTS DURING THE YEAR

Date	Name of Activity	Number of Participants	
		Boys	Girls
15.07.2019	Gender sinsitization workshop in Tillori Khadar village	20	30
20.02.2020	Women day celebration (poem,nukkad natika,dance)	50	70
08-03-2020	Women day celebration in university auditorium with swavlamban trust		
06-03-2020	Women day celebration in university auditorium	50	100
18-07-2020	Webinar "Knee Pain: Symptoms, Causes and Treatment"	30	30

DETAILS OF COMPLAINT ABOUT WOMEN HARASSMENT

Number of Complaints of Sexual Harassment received in the year	NIL
Number of Complaints disposed off during the year	NIL
Number of pending cases	NIL

GRIEVANCE REDRESSAL CELL

The Cell considers all kinds of grievances of the staff members and works out a solution for those.

CONSTITUTION

Prof. Raj Kumar, Professor, Mechanical Engineering Department-Chairman
Dr. Ashutosh Dixit, Professor, Computer Engineering Department– Member
Dr. Sonia, Associate Professor, Physics Department – Member

The Grievance Redressal Cell (GRC) has been constituted in the University for considering grievances of staff members and working out the solutions accordingly. The complaint received by GRC is processed within 15 days.

During the Aug 2019 to June 2020, no grievance has been received by Grievance Redressal Cell (GRC) of the University.

LEGAL CELL

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

CONSTITUTION

- Mrs. Renu Dagar, Assistant Law Officer

The broad objectives of the cell are as follows:

- To act upon the notices received from various courts.
- To collect the copies of plaints, petitions, from concerned courts.
- To obtain necessary details in the form of parawise comments with relevant documents from the concerned department of the University.
- To obtain the approval of Vice-Chancellor for engagement of Advocate from University Panel for pleading the case before concerned courts.
- To prepare written statements, counter affidavits on the plaints and petitioners with the help of University Advocate and ensure its timely submission; before the courts.
- 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.
- 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.
- To help in preparation of replies of Legal Notices received by the University.
- To examine and vet the administrative orders, drafts of contracts, Memorandum of Understanding, Agreements for execution.
- To provide legal assistance to the Competent Authority as and when required and to assist University administration for maintaining discipline, law and order.

STATUS OF CASES RELATED TO UNIVERSITY IN VARIOUS COURTS

Number of cases filed in the year 2019-20:	21
Number of cases decided during the year 2019-20:	03

RTI CELL

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.

First appellate authority: Dr. C. K. Nagpal, Professor, Computer Engineering Department.

Assistant Public Information Officer: Mrs. Renu Dagar, Assistant Law Officer

Nodal Officer: Mr. Jitender Singh Yadav, Public Relations Officer

List of Public Information Officers:

S. No.	Subject Matter	Department/ Section	Public Information Officer	Name of the Public Information Officer
1.	Information relating to University Teaching Departments	University Teaching Departments: Computer Engineering (CE)/ Computer Application (CA)/Electrical Engineering (EE)/ Electronics Engineering (EL)/Mechanical Engineering (ME)/ Civil Engineering (Civil)/ Humanities (Hum)/Management Studies (MBA)/Physics (PHY)/Chemistry (CH)/ Environmental Sciences (EVS)/ Mathematics (Math)	PIO-cum-Chairperson of the concerned department	CE: Dr. Komal Kumar Bhatia (Chairperson) Ph: 129-2310178
				CA: Dr. Manjeet Singh (Chairperson) Ph: 129-2310179
				Hum: Dr. Atul Mishra (Chairperson) Ph: 129-2310179
				EL: Dr. Poonam Singhal (Chairperson) Ph: 129-2310129
				EE: Dr. Neelam Turk (Chairperson) Ph: 129-2310179
				ME: Dr. Tilak Raj (Chairperson) Ph: 129-2310155
				MBA: Dr. Ashutosh Nigam (Chairperson) Ph: 129-2310129
				Civil: Dr. M.L. Aggarwal (Chairperson) Ph: 129-2310113
				PHY: Dr. Anuradha Sharma (Chairperson) Ph: 129-2310115
				EVS: Dr. Renu Gupta (Chairperson) Ph: 129-2310130
				CH: Dr. Ravi Kumar (Chairperson)
				Math: Dr. Neetu Gupta (Chairperson) Ph: 129-2310117
2.	Information relating to Examination branches	Examination Section	PIO-cum-Controller of Examination/ Assistant Registrar Examination branch	Dr. Rajeev Kumar Singh (COE)/ Sh. Sachin Gupta (AR) Ph: 129-2310112
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: 129-2310158
4.	Information relating to Accounts matters	Accounts Section	PIO-cum-Controller of Finance/Chief Account Officer	Dr. Munish Vashishth (COF)/Sh. S.C. Kaushik (CAO) Ph: 129-23101176
5.	Information relating to Construction/ Maintenance matters	Maintenance/ Construction Section	PIO-cum-XEN/SDE	Sh. Ajay Taneja (XEN)/Sh. A. K. Sharma (SDE) Ph: 129-2310183-85

6.	Information relating to Registration/ general Academic matters	Academic Section	PIO-cum- Deputy Registrar/ Assistant Registrar Academic section	Sh. Harish Kumar (DR-A) / Ms. Jyoti Mor (AR) Ph: 129-2310160
7.	Information relating to Student Welfare Activities	Office of Dean Student Welfare (Sports/Cultural/Techni cal/NSS)	PIO-cum-DSW/DYW	Dr. Lakhwinder Singh (DSW)/ Dr. Pradeep Dimri (DYW) Ph: 129-2310119
8.	Information relating to all hostel matters	Office of Chief Hostel Warden (Boys)	PIO-cum- Chief Hostel Warden (Boys)	Dr. Vikas Turk (CHW -Boys) Ph: 129-2310174
9.	Information relating to all hostel matters	Office of Chief Hostel Warden (Girls)	PIO-cum- Chief Hostel Warden (Girls)	Dr. Sandhya Dixit (CHW -Girls) Ph: 129-2310192
10.	Information relating to general discipline related matters	Office of proctor	PIO-cum-Proctor	Dr. Munish Vashishtha (Proctor) Ph: 129-2310176
11.	Information relating to Store and Purchase related matters	Office of Head S&P	PIO-cum- Deputy Registrar/ Assistant registrar (S&P)	Sh. Munish Gupta (DR-P)/ Sh. Vishal Kumar (AR) Ph: 129-2310164
12	Information relating to Workshop	Office of Workshop Superintendent	PIO-cum- Workshop Superintendent	Sh. Vivek Sharma (WS) Ph: 129-2310121
13.	Information relating to Affiliation Branch	Affiliation Branch	PIO-cum-Dy. Dean/Coordinator	Sh. Manish Gupta, Dy. Registrar Ph: 129-2310181
14.	Information relating to Training and Placement office	Training and Placement Office	PIO-cum-TPO	Dr. Lakhwinder Singh (TPO) Ph: 129-2310119
15.	Information relating to Community College	Principal, Community College	PIO-cum-Principal, Community College	Dr. Sanjeev Goyal (Principal, CC) Ph: 129-2310175
16.	All other Offices/Sections/C ells/New Departments, if any	Concerned Head of Office /Section/ Cell/ Department	PIO-cum-Concerned Office Head	Concerned Office /Section/ Cell/ Department Ph: 0129-2310125

DETAILS OF RTIs / FIRST APPELLATE / SECOND APPELLATE AS ON 30-07-2020

- RTI applications received during June 2018 to July 2019 and disposed off: 143

- RTI application received by First Appellate Authority and disposed off: 17

- RTI applications received by Second Appellate Authority and disposed off: NIL

SC/ST WELFARE CELL

To improve the academic skills & linguistic proficiency of students belonging to SC/ST Category in various courses.

CONSTITUTION

- Dr. Raj Kumar, Dean & Chairperson (HAS) – Chairman
- Dr. Vasdev Malhotra, Associate Professor – Incharge
- Dr. Renuka, Assistant Professor – Member
- Mr. Bal Krishan Assistant Professor – Member
- Mr. Harish Kumar, Assistant Professor – Member
- Mrs. Anushree Chauhan, Assistant Professor – Member

The broad objectives of the cell are as follows:

- To improve the academic skills & linguistic proficiency of students in various subjects.
- To raise their level of Comprehension of basic subjects to provide a stronger foundation for further academic work.
- To strengthen their knowledge, skills & attitudes in such subjects where quantitative & qualitative techniques and laboratory activities are involve, so that the necessary guidance and training provided under the programme may enable the students to come p to the level necessary for pursuing higher studies efficiently to reduce their failure and dropout rate.
- To provide career guidance and psychological counselling for capacity building to those who are in need of such counselling

Activities:

Expert lecture was organised on dt 19 th Feb 2019 on topic Personality Development session by Ms Priyanka Behi . The lecture was conducted to provide the students with an insight of corporate exposure and understanding of various key concept like dedication, self confidence, leadership skill, Positive attitude. App. 52 students were presents in the expert lecture

Students with staff after attending the expert lecture

Grant received from AICTE;

Grant of Rs, 6.95 lac has been received from AICTE under PRERANA Scheme for the year 2019-2020 .The main aim of PRERANA Scheme to motivate the students towards competitive exams such as GATE/CAT/GPAT/TOEFL and GRE. The other aim to enhance the communication skills, personality development and improve the proficiency in English Language of SC/ST students.

EQUAL OPPORTUNITY CELL

The purpose of cell is to take measure against the discrimination

CONSTITUTION

- Prof. Raj kumar, Mech. Engg   : Chairperson
- Prof. Atul Mishra, Computer Engg.   : Member
- Ms. Pooja, Assistant Prof. in Chemistry : Member
- Ms. Renu Dagar, Assistant Law Officer   : Member

The broad objectives of the cell are as follows:
- To take measure against the discrimination.
- To take appropriate measure to safeguard the interest of students without any prejudice to their caste, creed, religion, language, ethnicity, gender and disability.
- Eliminate the discrimination or harassment
- Promote the equality among the students
- To ensure no discrimination against the students of scheduled caste and scheduled tribes

ALUMINI AND CORPORATE AFFAIR CELL

INTRODUCTION

The university has a unique feature of having served the society for the past more than 48 years and passouts of the university are spread out throughout the globe. The university is proud of its alumni who have excelled in every walk of life, be it public life, civil services, armed forces, judiciary, private and public sectors. There are countless success stories of our University Alumni. Every year, a number of alumni help students with their careers and are still partners of the University in Education and Research. The University is grateful towards them.

With the vision of Hon'ble Vice Chancellor, new cell as "Alumni & Corporate Affairs Cell" has been formed to better manage the vast alumni base since 1969. To make it more effective an online Alumni Portals on the anvil with a total expenditure of around Rs. 3 lacs. With this Alumni Portal, University will be benefitted with association of more than 15K Alumni settled in national and international locations. Through this portal Alumni can give webinars, post their jobs, interact with current students and fund students project.

CONSTITUTION

- **Dr. Sanjeev Goyal , Director**
- Dr. Sapna Taneja
- Dr. Smita
- Dr. Anubha Gautam
- Ms. Manju Kumari
- Dr. Nitin Goel
- Dr. Krishan Verma

The broad objectives of the cell are as follows:
1) To manage the vast Alumni database since 1969
2) To facilitate Guest Lectures/Webinars/Seminars of Alumni
3) To help with funding requirements for students projects through Alumni
4) To hold Alumni meet from time to time for better coordination
5) SPOC for Alumni to University
6) To help with financial requirements for needy students from Alumni

EVENTS/ACTIVITIES/ACHIEVEMENTS DURING THE YEAR

Expert lectures organized by Alumni association :

S.No.	Name of the Expert	Topic	Date	Time	Venue
1	Mr. A.K. Sen, GM, Operation Blue star	Project Management	30-09-2019	11:00 am	G-7
2	Mr. Vikas Sharma (Principal consultant-Pro Engg.Services)	Design of Power distribution System for a building project	01-10-2019	04:00 pm	G-7
3	Mr. Mahender Singh (,Exec. Director and vice president,Havellsguangzhow international ltd.,China)	LED Lighting	01-10-2019	10:00 am	G-7

4	Mr. NitinRastogi (AVP,sales and marketing,C&Selec.ltd)	Low Voltage Switchgear application, selection & Coordination	01-10-2019	10:45 am	G-7
5	Mr. Sudhir Yadav	Applications & types of medium voltage switchgear	03-10-2019	12:00 noon	G-7
6	Mr. Lakhan Pal Singh Solanki (AGM. Airport Authority of India)	Aerosol Advanced fire suppression System	03-10-2019	11:00 am	G-7
7	Mr. Sanjay Mittal Senior GM service-Johnson's Control	HVAC Systems & New Technologies	04-10-2019	02:00 pm	G-7
8	Mr. Rajesh Gupta(Own Business)	Time Management	04-10-2019	03:00 pm	G-7
9	Mr. Devender Singh Bhandari (Vice President,HPLElec and power ltd)	LED Lighting	04-10-2019	04:00 pm	G-7
10	Mr. Sanjay Gupta (Business director Hughes)	Satellite communication and Applications in Indian Economy	31-08-2019	9:15 am	G-7
11	Mr. Ravinder Kumar(SDO,Electricity board Haryana)	Energy Meter	26-08-2019	9:15 am	G-7
12	Mr.AshwaniDamani MD,Industrial safety engineers ,FBD	Industrial Safety	27-08-2019	9:15 am	G-7

Activities organized in University with Alumni

1. **Webinar on Technological Innovation for Sustainable Future**
   On the occasion of National Technological Day (Pokhran Nuclear Test Day), National webinar was organised on Technological innovation for sustainable future.

2. **Yoga Day Celebration**
   International Yoga Day on 21st June, 2020(online Zoom Platform) was celebrated in the University by CCSD in association with Alumni & Corporate affairs cell.

3. **Aatma-Nirbhar Bharat – Hackathon**
   The three-day Aatma-Nirbhar Bharat – Hackathon competition was organized on 20th May, 2020 (online Zoom Platform) by the Institution's Innovation Council (IIC) of J.C. Bose University of Science and Technology, YMCA, Faridabad. The students projects received in the three-day Hackathon competition

were evaluated on various parameters by the panel of jury which included MOB (Alumni Association) representatives, industry experts and faculty members of University in different rounds.

4. **Global HR Conclave**
   In this HR Conclave political leader, professionals from corporates human resources and learning and placement expert participated and deliberated on the opportunities in learning, trainings, internship, and placement in post COVID -19 economic environment.

5. Webinar on Technological Innovation for Sustainable Future on 11th May, 2020. @ (online Zoom Platform)

6. YMCA MOB Gurgaon Chapter Annual Meet on 14th September 2019 @ Gurugram

7. Meet and Greet International Alumni's 26th May 2019 @ Faridabad

8. YMCA Female Alumni Meet 23rd February 2019 @ Gurugram

9. YMCA Bridge Course 2019 Welcome Meet on 16th February 2019 @ Faridabad

10. YMCA Families Get Together on 26th January 2019 @ Faridabad

EXPENDITURE BY MOB

Alumni contributed total of Rs. 57,70,000/- (Rs. Fifty Seven Lakhs Seventy Thousand Only) during year 2019-20.

S.NO	ITEM	AMOUNT
1	YMCA MOB Golden Jubilee Gate Lighting/ Steel Work	Rs. 6 Lakhs
2	YMCA Merit Cum-Means Scholarships	Rs. 3.25 Lakhs
3	Sponsorship for BAJA SAE Vehicle	Rs 1.50 lakh
4	Sponsorship Support For CULMYCA	Rs. 2.5 Lakhs
5	Chapter Meetings	Rs. 6 Lakhs
6	Technical Conference/ Support	Rs. 3.5 Lakhs
7	Medical Aid for accident victim / student	Rs. 3.5 Lakhs
8	Entrepreneurship Incubation Center	Rs. 30 Lakhs
9	MOB Job Fair	Rs. 80,000/-
10	YMCA MOB Almashine APP (AMC)	Rs. 65,000/-

INDUSTRIAL RELATIONS CELL

A strong Academia-Industry Interaction is the major focus of the department as well as the University. We believe that higher education is not only synonym with the world class facility, faculty and students but also with the involvement of industry in academia. Whatever we do and facilitate our students with, it remains incomplete without the involvement of the industry where this knowledge is actually gets implemented.

Since, the University 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. Seeking the support of industry in doing so, the University has created an Industrial Relations cell which work towards opening the various avenues where we can collaborate with the industry.

CONSTITUTION

- **Dr.Rashmi Popli, Director**
- **Dr. Sanjeev Goyal,** Coordinator
- **Dr. Rashmi Aggarwal,** Coordinator
- **Dr. Jyotsna,** Coordinator

The broad objectives of the cell are as follows:

- To create an 'Industry Lecture Series' by setting up a pool of distinguished guest lectures from industry experts.
- To set up relevant Centers of Excellence (CoE) in University with industry players/corporate.
- Organize 'Short-term Training' opportunities (4-8 weeks) for students.
- Attract 'Industry Projects' to the university for execution by students/departments
- To arrange for Industry sponsored conferences.
- The University also believes that the development of teachers has a direct impact on the development of the students. In order to keep them updated with the latest tools/techniques in the industry, the University is also looking forward to the collaboration with the industry in the following areas:

  - Make latest tools/technologies available from leading companies to provide practical exposure for faculty.
  - Help setup Faculty Development Programs, Workshop & Seminar delivered by Industry Personnel. They could range from one day to 15 days.
  - Enable faculty to modify the curriculum that suits evolving industry needs and promote industry participation in curriculum planning & development.
  - Facilitate research and development projects.

As a University, we continually thrive for knowledge and seek a close partnership with the industry to create a better society that is both ethically as well as technically strong.

EVENTS/ACTIVITIES/ACHIEVEMENTS DURING THE YEAR

Sr. No	Dates	Details
1	15th to 17th Jan,2020	FDP on Data Science Using Python
2	25th and 26th Feb,2020	Standardization and Calibration Workshop
3	24th November 2019	Business Meet
4	11th November 2019	A week long Trailhead Workshop on 'Salesman Administrator'
5	30th September 2019	Expert lecture by Mr. Sushil Yadav, an Indian Administrative Service (IAS), officer
6	16th September 2019	Expert lecture on 'Corporate Success and Academics' by Mr. Ravi Sharma
7	02nd August 2019	Expert lecture on 'Why Should I Become Entrepreneur' by Mr. Hersh Kumar

MOU SIGNED DURING THE YEAR

Sr. No	Dates	Details	Duration of MoU	Objectives of MoU
1	Rotary Blood Bank Charitable Trust Faridabad	09/08/2019	09/08/2019-08/08/2020	To contact voluntary blood donors themselves through the mobile application 'Boond'
2	Snatan Dharam College Ambala	19/09/2019	19/09/2019-18/09/2022	To promote academic collaboration through joint PhD students for research.
3	R.V College of Engineering	23/08/2019	23/08/2019-22/08/2022	To promote academic tie-ups with prominent institutions
4	Janak Positioning and Surveying Systems Pvt. Ltd.	17/01/2020-	17/01/2020-16/01/2022	To impart training to the students on the latest equipments of surveying and GIS.
5	Belz Instruments	05/02/2020	05/02/2020-04/02/2023	To help University in capacity building process in terms of acquiring skills and calibration training to fetch the consultancy projects in related field.
6	ASSOCHAM-GEM	05/06/2020	05/06/2020-04/06/2023	To promote communication and information exchange between the organizations and their respective members through announcements in journals, websites and other communication modes.
7	Swastik Kaya Kalp, Yoga and Naturopathy Center	29/06/2020	29/06/2020-28/06/2022	To promote, guide and coordinate research activities in the various aspects of Yoga, particularly its preventive, protective and curative potential for health.
8	Prayas Social Welfare Society	09/07/2020	09/07/2020-08/07/2023	To provide special training facilities for students economically weaker sections of society to learn skills and start their own ventures.

CAREER AND COUNSELING CELL

The Counselling and Counselling Cell was established in the University on 5th May 2015. The aim of the cell is to provide comprehensive guidance programs and services that will equip students with necessary knowledge, attitude and skills to become mature and socially responsible individuals.

CONSTITUTION

- Dr. Arvind Kumar, Professor – Chairperson
- Mr. Bharat Bhushan, Assistant Professor – Member
- Dr. Ashlesha Gupta, Assistant Professor – Member
- Dr. ManviSiwach, Assistant Professor – Member
- Dr. Neha Goel, Assistant Professor – Member
- Mr. Atma Ram, Assistant Professor – Member

Broad objective of the cell are as follows:

- To help students to chalk out academic and career roadmaps for themselves.
- To create awareness among the students about emerging professional trends and entrepreneurship and market needs etc.
- To provide guidance to the students on various options available for higher studies available in India and abroad.
- To help the students in the development of their strengths, sharpening their interests and planning for a satisfying future.
- To provide guidance for personality development, positive attitude and inter-personal skills.
- To promote Value System and National Integration among students.

The cell would facilitate following activities in broad ways:

- Organising expert lectures in different subjects for the students.
- Organise seminars for career building of the students in different areas.
- Organize counselling sessions for students.
- Organise career fair for the students.
-

EVENTS/ACTIVITIES/ACHIEVEMENTS DURING THE YEAR

Sr. No.	Date	Name of Activity
1	21st Nov 2019	UPSC Guidance Seminar
2	29TH Sept, 2019	Expert talk on Health Issues
3	18th Sept, 2019	Workshop on CAT Preparation
4	18th Sept, 2019	Motivational Lecture
5	7th Sept, 2019	Seminar on Water Rejuvenation and Ecosystem
6	25th Feb , 2020	Goal Setting and Optimistic Approach
7	5th May ,2020	5 Year Celebration
8	11th June, 2020	Hit it and Quidditch, Quiz Competition on various topics
9	23rd June, 2020	Career Counselling Webinar Series

10	28th June, 2020	Career Guidance Session
11	2nd July, 2020	Career Guidance Session
12	16th July, 2020	Webinar on Time and Stress Management
13	27th July, 2020	Seminar on "Is Covid 19 a Visible Situation"

INNOVATION COUNCIL (IIC)

As Approved by the Competent authority and as per the norms and directions received from Innovation Cell, Ministry of HRD, Govt. of India, regarding reconstitution of new version Institutions Innovation Council (IIC) i.e IIC 2.0 Institutions Innovation Council in Constituted as Follows:

President	Prof. Lakhwinder Singh	
Vice-President	Dr. Sanjeev Goel	
Convener	Dr. Sapna Gambhir	
EXTERNAL MEMBERS		
Name	Designation	Role / Responsibility
Mr. Sumit Jain	Phocket Infotech Pvt. Ltd., New Delhi	Expert from nearby Industry/ Industry association/ Ecosystem Enablers
Mr. Anil Bareja	Managing Director,Bareja Solar & Projects Pvt. Ltd., New Delhi	Start-up / Alumni entrepreneur
Mr. Manish Pradhan	Swichan Trademart Pvt. Ltd.	Start-up / Alumni entrepreneur
Dr. Keerti Gupta	Patent Agent,Lakshay Groups, Noida	I P Expert
Mr. Vivek Mahajan	Executive Director,New product development	Expert from nearby Industry/ Industry association/ Ecosystem Enablers
Suneel wattal	Department of IT, Electronics and Communication, Govt. Of Haryana	

INTERNAL MEMBERS			
	Faculty Coordinator	**Team Member**	**Responsibility**
(a) IOT incubation Activity (b) Innovation/incubation Activity Coordinator-General (c) IIC Activity Coordinator	Dr. Parul Tomar Dr. Rashmi Popli Ms. Rashmi Chawla	Dr. Shailender Gupta Dr. Sakshi Bangia Dr. Sheilza Jain Ms. Rashmi Chawla	• All team members are responsible for all activities related to point 4. • To plan and conduct related activity (at least one in one quarter)
Start-up Activity Coordinator	Dr. Rashmi Popli	Dr. Deepika Ms. Jyotsana Chawla	• All team members are responsible for all activities related to point 5. • To plan and conduct related activity (at least one in one quarter)
Internship Coordinator	Dr. Nikhil Dev	Dr. Parveen	• All team members are responsible for all activities related to point 6. • To plan and conduct related activity (at least one in one quarter)

IPR Activity Coordinator	Dr. Ashlesha Gupta	Dr. Manvi	• All team members are responsible for all activities related to point 7. • To plan and conduct related activity (at least one in one quarter)
Social Media Coordinator	Mr. Jitender Singh Yadav (PRO)	-	To upload information on University Facebook page and IIC Facebook Page given by faculty coordinators.
ARIIA Coordinator	Dr. Krishan Verma (ME)	Dr. Sonali	Coordinate at the time of apply for ARIIA
NIRF Coordinator	Dr. rachnana Aggarwal (MBA)	Dr. Shailender Gupta	Coordinate at the time of apply for NIRF

EVENTS/ACTIVITIES/ACHIEVEMENTS DURING THE YEAR

S.NO	Activity Attendant	Title	Date From	Date To	Funded by
1.	Industrial Visit	industrial visit	11/11/2019	11/11/2019	University
2.	Industrial Visit	Visit to Wings Automobile Products (Pvt.) Ltd.	05/12/2019	05/12/2019	University
3.	Seminar Conducted	technical skill development of refrigeration air conditioning.	10/11/2019	10/11/2019	University
4.	Seminar Conducted	The workshop was conducted by Dr. Irfana Begum who is the project manager at Vigyan Prasar, Department of Science and Technology.	21/01/2019	21/01/2019	University
5.	Seminar Conducted	Soft Skill of Personality Development	10/10/2019	10/10/2019	University
6.	Seminar Conducted	DR.PREET DEEP SINGH	20/05/2020	20/05/2020	University
7.	Seminar Conducted	ROLE OF NETWORK ENABLERS IN IEIN HEIS-A CASE OF TIE, INDIA	01/05/2020	01/05/2020	University
8.	Seminar Conducted	Idea, Business Model and Business Plan	19/05/2020	19/05/2020	None
9.	Workshop Conducted	Workshop onDevelopment of IoT Based Device	13/11/2019	13/11/2019	None
10.	Webinar Conducted	Changing scope of Business Development post Corona pandemic	02/05/2020	02/05/2020	None

11.	Webinar Conducted	Legal and Ethical Steps Productive Entrepreneurship and Startup	12/05/2020	12/05/2020	None
12.	Webinar Conducted	NATIONAL INNOVATION AND STARTUP POLICY FOR STUDENTS AND FACULTY 2019 A GUIDING FRAMEWORK FOR HEIS FOR IMPLEMENTATION	28/04/2020	28/04/2020	None
13.	Webinar Conducted	India First Leadership Talk Series is conducted by Shri Anand Mahindra, Chairman of Mahindra Group	08/01/2019	08/01/2019	Others
14.	Webinar Conducted	Planning for Career	24/01/2019	24/01/2019	Others
15.	Webinar Conducted	Role and importance of incubators and Accelators in HEIs	29/04/2020	29/04/2020	None
16	Webinar Conducted	Interaction with student innovators and entrepreneurs from smart India Hackathon (SIH)	22/05/2020	22/05/2020	Others
17.	Webinar Conducted	Understanding Role and Application of Marketing Research at Idea to Startup Stage- Foundation Level	14/05/2020	14/05/2020	Others
18.	Webinar Conducted	Interactive session with the wining team SIH2020	05/09/2020	05/09/2020	University
19.	Webinar Conducted	Facebook live session by Central Expert for workshop on IPR for students and faculty members was conducted by Ms. Shwetasree Majumdar (Principal, Fidus law chapter)	10/01/2019	10/01/2019	Others
20.	Expert Lecture (Academia) Conducted	Workshop on IPR	08/11/2019	08/11/2019	University
21.	Expert Lecture (Academia) Conducted	How to identify right problem and Solution using the double diamond approach in design	06/05/2020	06/05/2020	None
22.	Expert Lecture (Academia) Conducted	Use of Market Data, Application of Marketing Research Tools Methodology- Advance Level	20/05/2020	20/05/2020	None
23.	Expert Lecture (Academia) Conducted	Expert Lecture	07/05/2020	07/05/2020	University
24.	Expert Lecture (Industry) Conducted	Entrepreneurship, Business Idea and Business Model Canvas	04/05/2020	04/05/2020	None

25.	Expert Lecture (Industry) Conducted	Innovating Self Screen and Identifying right opportunities	13/05/2020	13/05/2020	None
26.	Expert Lecture (Industry) Conducted	E-session on Understanding Angel and Venture Capital Funding	08/05/2020	08/05/2020	Others
27.	Expert Lecture (Industry) Conducted	E-Workshop on IPR and Start-up	01/05/2020	01/05/2020	University
28.	Expert Lecture (Industry) Conducted	Innovation Risk Diagnostic Product Innovation Rubric(PIR)	15/05/2020	15/05/2020	None
29.	Expert Lecture (Industry) Conducted	Hangout with Successful Startup Founder and Learn on Design Thinking Approach for Hardware Innovation	04/05/2020	04/05/2020	None
30.	Expert Lecture (Industry) Conducted	Expert Lecture	21/05/2020	21/05/2020	University
31.	Expert Lecture (Industry) Conducted	Entrepreneurship	01/05/2020	01/05/2020	University

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;

1) the arrangements for quality assurance are fit for purpose and conform to the institution's role and mission.

2) the standards of higher education align with the expectations.

3) the students have access to appropriate learning opportunities through taught provision, private study and supported learning.

4) the department are able to promote and enhance high quality teaching and learning.

5) the students are fully supported in their academic and personal development to their highest possible levels.

6) the planning, resource allocation and quality management is in line with vision and mission of the University.

7) the implementation of various policies has been done.

8) the academic calendar of the University is adhered with in terms of timelines.

9) the offices and other cells are keeping the records and readily retrievable preferably in hard/soft form or through Enterprise Resource portal (ERP).

10) 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 vas 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).
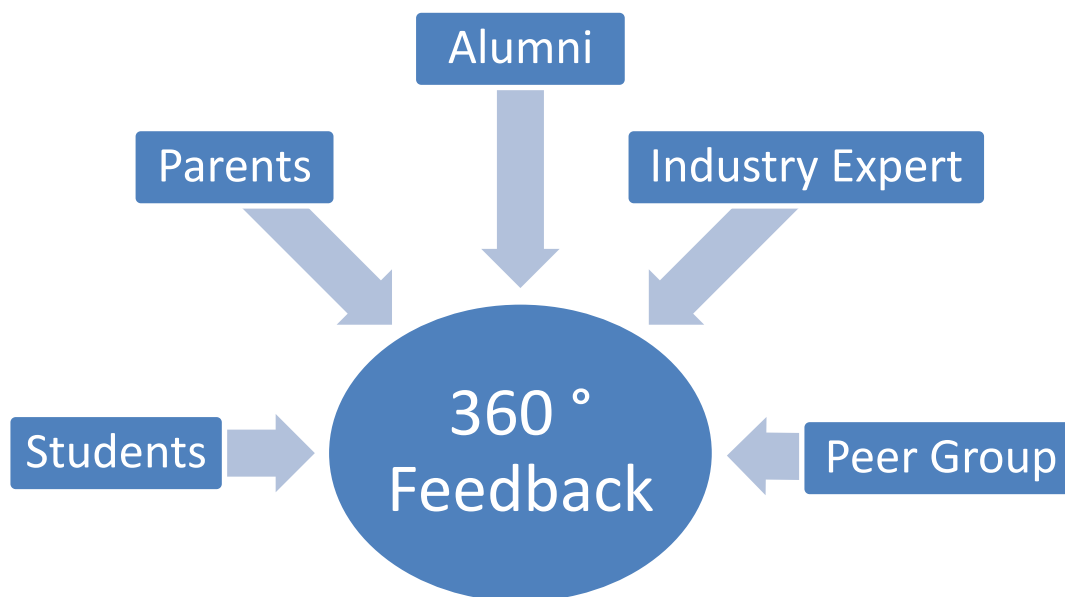
Fig 1: Stakeholders of University for 360° Feedback

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

S. 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)

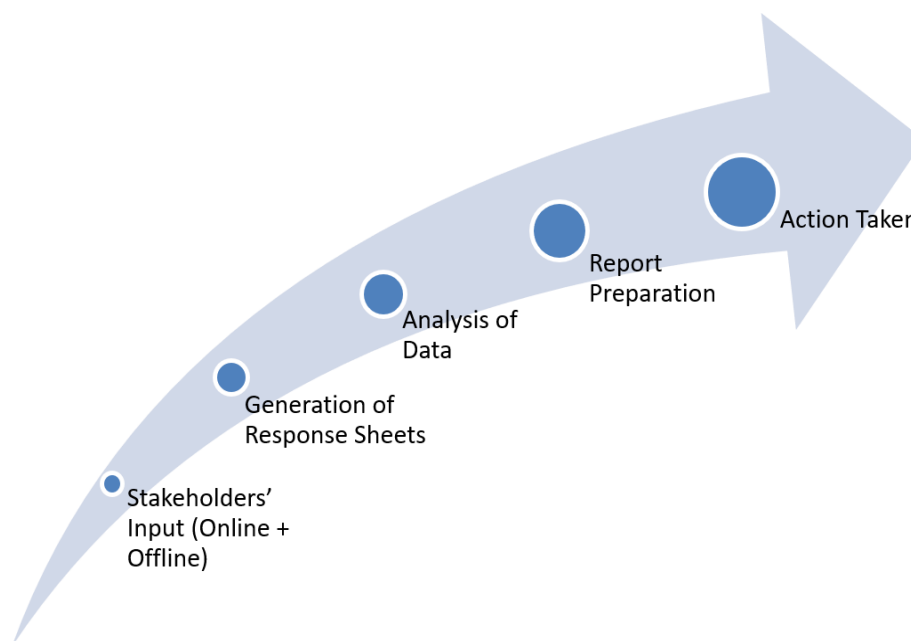b) Exit survey (conducted once in the final semester)

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:
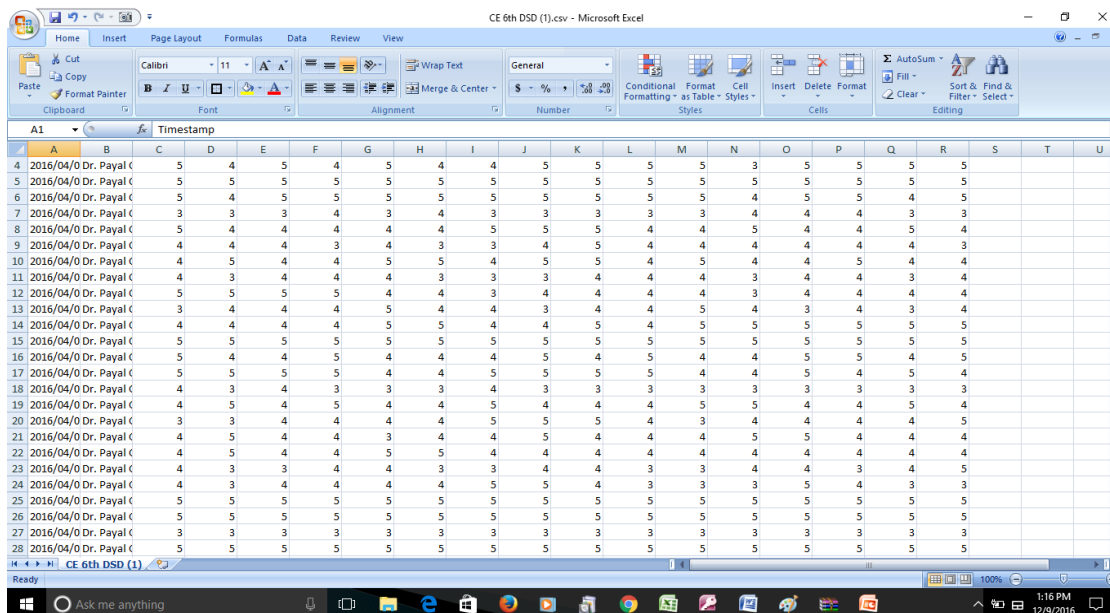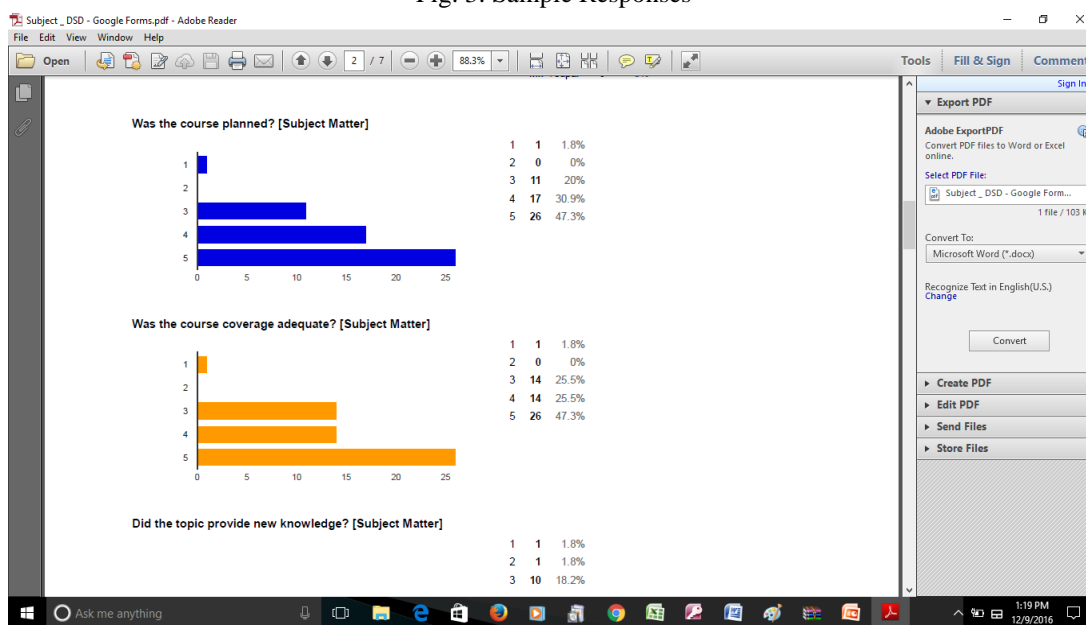
Fig. 3: Sample Responses

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

1. Faculty Information Management System (FIMS)

In Sep 2019, Faculty Information Management System (FIMS) was launched to capture all details related to academic and research profile of the teachers of the university, which can be used for NAAC/NBA related tasks. At present, research profile of all the faculty members, activities conducted by each department and the cells/sections have been successfully uploaded on FIMS. Digital Cell of the University is responsible for maintaining and updating the FIMS as per the requirements of the University and various accreditation bodies like NBA, NAAC etc.

The salient features of FIMS are:

- ✓ Easy to use interface for faculty members
- ✓ Interface to enter faculty related information like profile, FDPs, STCs, research projects, consultancy, books authored, publications in journals, attended conferences etc
- ✓ Interface to enter all the activities like FDPs, STCs, Conferences, expert lectures etc related to the departments.
- ✓ Provision to enter different activities related to the cells in the University.
- ✓ Provision to submit and view Student Welfare activities by Dean Student Welfare.
- ✓ Provision for administrative control by Internal Quality Assurance Cell (IQAC).

2. Establishment of Digital Classrooms and Digital Notice Boards

With a view to promote use of digital and flipped teaching methodologies, the University has established 13 Digital classrooms in various departments to replace conventional white boards used for teaching. NPIU-MHRD invited proposal to provide infrastructure, particularly Digital Interactive Boards to TEQIP-II as well as TEQIP-III institutions of the country through project funds (over and above the present allocation) to promote flipped or blended learning through digital pedagogy in technical education. The University is the only state university that has been selected through a challenge method based on the predefined criteria covering digital initiatives undertaken by the university and the NBA accreditation status in the university.

At present, 13 Digital classrooms have been setup in the University, the training session of which was held on 13th January 2020 by NPIU. The vice chancellor Prof. Dinesh Kumar formally inaugurated these Digital Classrooms on the occasion in the presence of faculty members of the university. Embedded with modern day technologies, such interactive classrooms offer a friendly environment to the students where they may clear all their concepts while having endless fun. This initiative will not only change the perspective of students towards studying but will also help the teachers in preparing dynamic multi-media lessons which can be interesting for students. 90% of the faculty members have also been trained on Digital Pedagogies and Digital teaching-learning in March & April-2020 by IIT Bombay on SWAYAM platform for adopting digital means of teaching

University has also taken a massive move towards a digitally powered campus. The Digital India Cell of the University has installed Digital Notice Boards and smart TVs in nine prominent locations in the campus during November 2019. The facility is provided under Rashtriya Uchchatar Shiksha Abhiyan (RUSA) scheme. The new facility would not only reduce paperwork but also provide instant information and updates to the students. Digital boards are connected through a centralized server system that enables to update notices anywhere in the campus and these can also be operated location-wise. The idea of a digital notice board enables to display the information in a sophisticated manner and reduces the burden of paperwork.

STUDENT GRIEVANCE PORTAL

The University has robust mechanism in place to address the grievances of the students at department level as well as University level. The University has started grievance portal on the University website for the students/alumni for their grievances/feedbacks regarding any issue related to the University. The portal is being used by students, guardians and staff members to bring or resolve their grievances before University authorities. The URL of the Grievance Portal is:
https://jcboseust.ac.in/content/grievance-form-submission.

INDUSTRY LINKED LABS

➢ Edubotix Innovations Pvt. Ltd. has signed an MoU with the University to set up a Robotics Laboratory in Department of Computer Engineering. This lab started its operations from March 2014 onwards and is still under operation. It is equipped with educational robots and kits which are provided to the students for hands on experience. The major areas of studies are Mechatronics, Communication Engineering, Embedded System Design, Robotic Vision, Control Systems, Digital Electronics and PCB Designing & Automation System etc. 50% fee waiver is provided to students for pursuing any course under robotics lab. Edubotix Innovations Pvt. Ltd pays Rs. 1,80,000 per annum to the University for running its courses in the Department.

➢ Venture 7 Technology Pvt. Ltd. has signed an MoU with the University to provide a Continuous learning internship Programme to students. The officials of Venture7 conduct various activities in the department at no

cost for students and staff for no-profit-no-loss basis. Activities include Seminars, Practical trainings, competitions and Technical courses

➢ Danfoss Industries Pvt. Ltd, an MNC working in RAC research field has established a centre of excellence for research on "Climate and Energy" on 02.11.2015 with an investment of Rs.10.0 Lacs.

➢ The University has signed an Memorandum of Understanding (MoU) with Daikin Air-conditioning India Pvt. Ltd (DAIPL) and set up Centre for Excellence on HVAC.

DEPARTMENT OF

COMPUTER ENGINEERING

DEPARTMENT OF COMPUTER ENGINEERING

The department of Computer Engineering has a distinguished record in both teaching and research. It has modern facilities and a dedicated technical and office staff to support the academic programs and research.

DEPARTMENT PROFILE

UG Course: B. Tech. (Computer Engineering), B. Tech. (Information Technology)

PG Course: M. Tech. (Computer Engineering, Information Technology & Computer Networking)

PhD: Computer Engineering

Target Students:

Total Number of Faculty: (5 Professor + 7 Associate Prof. + 23 Assistant Prof.)

Number of Ph.D.'s: 22

Average Experience of faculty: 14 years (approx.)

Chairperson: **Dr. Komal Kumar Bhatia**

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1.	Labs	10
2.	Smart class Rooms	3
3.	Lecture Halls	10
4.	Conference Room	1
5.	Seminar Halls/Projector Rooms/Research Lab	1
6.	Internet Connection	NKN line of length two km with 100 Mbps speed extensible to 1 Gbps , BSNL leased line with 10 Mbps speed
7.	Any Other Facility	Research Lab Networking Lab Animation Lab

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Dr. Komal Kumar Bhatia	Professor & Chairman	Ph.D.(2009)	Information Retrieval, Web Mining	19
2	Dr. Chander Kumar Nagpal	Professor	Ph.D. (2005)	Soft Computing, Automata Theory	32
3	Dr. Naresh Chauhan	Professor	Ph.D.(2008)	Internet & Web Technology, Software Testing	17
4	Dr. Atul Mishra	Professor	Ph.D.(2012)	Object Oriented Designs, Distributed Systems, Cloud Computing, Big Data, Network Management	28
5	Dr. Ashutosh Dixit	Professor	Ph.D (2011)	Internet and Web Technologies	17
6	Dr. Jyoti	Associate Professor	Ph.D (2012)	Web Mining, OOP, Operating System	17
7	Dr. Harish Kumar	Associate Professor	Ph.D. (2017)	Software Testing,Proje t Management 7& Computer Programming	15
8	Dr. Parul Tomar	Associate Professor	Ph.D. (2012)	Adhoc Network, Database	16
9	Dr. Neelam Duhan	Associate Professor	Ph.D. (2011)	Information Retrieval, Web Mining, Databases	16
10	Dr. Sapna Gambhir	Associate Professor	Ph.D. (2010)	Wireless Networks, Adhoc Social Networks, Online Social Networks	18
11	Dr. Parul Gupta	Associate Professor	Ph.D (2013)	Information Retrieval	17
12	Ms. Shruti Sharma	Assistant Professor	M.Tech (2006)	Information Retrieval	15

13	Dr. Anuradha	Associate Prof. CE	Ph.D. (2011)	Web Mining	17
14	Ms. Poonam	Assistant Professor	M.Tech (2007)	Mobile Adhoc Network, Operating system, Algorithm design	13
15	Dr. Deepika	Assistant Professor	Ph.D. (CE)	Internet and Web Technologies	15
16	Dr. Payal Gulati	Assistant Professor	Ph.D. (2013)	Information Retreival, Web Mining	13
17	Dr. Amita Arora	Assistant Professor	M.Tech.(2008)	Ontology Learning, Natural language Processing	12
18	Dr. Preeti Sethi	Assistant Professor	Ph.D. (2016)	Software Agents, Wireless Sensor Networks	18
19	Dr. Ashlesha Gupta	Assistant Professor	M.E (C.E)	Internet Technologies	15.5
20	Dr. Rashmi Popli	Assistant Professor	Ph.D. (2016)	Software Testing, Computer Security, Agile Software development	15
21	Dr. Sonali Gupta	Assistant Professor	Ph.D. (2016)	Information Retrieval , Web Mining	17
22	Mr. Sushil Kumar	Assistant Professor	M.E(2007)	Information Reterival	17
23	Dr. Umesh Kumar	Assistant Professor	M.Tech (2010)	Wireless Security	10
24	Dr. Lalit Goyal	Assistant Professor	Ph.D(2016)	Data Mining	17
25	Dr. Rewa Sharma	Assistant Professor	PhD (2016)	Wireless Networks, IoT, Machine Learning	10
26	Ms. Shivi Garg	Assistant Professor	M.Tech (2014)	Information Security, Android Vulnerability, malware	7

27	Mr. Piyush Gupta	Assistant Professor	M.Tech (2015)	Machine Learning, Big Data Analytics	5
28	Ms. Ayyu Gupta	Assistant Professor	M.Tech (2015)	Information Retrieval	4
29	Ms. Jyotsna Parmar	Assistant Professor	M.tech (2016)	Information Retrieval	4.5
30	Ms. Alka Chaudhary	Assistant Professor	M.Tech (2006)	Image Processing and NLP	14
31	Ms. Shikha Gupta	Assistant Professor	M.Tech (2014)	Big Data, Online Marketing	6
32	Ms. Monika Gupta	Assistant Professor	M.Tech (2017)	Data Mining, Machine Learning, Big Data	2
33	Ms. Shilpi	Assistant Professor	M.Tech (2016)	Computer Vision	3
34	Ms. Aayushi	Assistant Professor	M.Tech (2017)	Deep Learning, Image Processing	2
35	Ms. Raveena	Assistant Professor	M.Tech (2017)	Big Data, Data Analytics	2

DEPARTMENTAL PUBLICATIONS & FDP/STC(Academic year 2019-2020)

Sr. No.	Particulars	Count (2019-20)
1	Publications in International Journals	40
2	Publications in National Journals	-
3	Publications in International Conference	4
4	Publications in National conferences	-
5	STC/FDP attended	27

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1	Umesh Kumar	"TWO FOLD SECURITY ON CLOUD CRM USING HASHING AND ROLE BASED SECURITY", Journal of Critical Reviews, Vol. 7, No. 18, Page 1442-1456, 2020
	Umesh Kumar	"KDFBA: Key Distribution through Fingerprint based Authentication using Mobile Agent", Multimedia Tools and Applications, Vol. 79, No. 19, Page 13891-13918, 2020
2	Ashlesha Gupta	" A Novel Approach for Aspect Based Sentiment Analysis on Microblogs", International Journal of Research and Analytical Reviews, Volume 6, Issue 2, Page 73-82, 2019
		" A Novel Approach for Enhancing Sentiment Classification Accuracy of Product Review", International Journal of Research and Analytical Reviews, Volume 6, Issue 2, Page 577-587, June, 2019
		" Inductive Opinion Mining using Enhanced Mechanism on Unstructured Data", International Journal of Research and Analtical Reviews, Volume 6, Issue 2, Pg 27-33, June 2019
3	Parul Gupta	Implementation and comparison of topic modeling techniques based on user reviews in e-commerce recommendations, Journal of Ambient Intelligence and Humanized Computing, 1-16 (April 2020), ISSN 1868-5137 / 1868-514
		A new approach to identify similar users based on customer reviews, IOP Conference Series: Materials Science and Engineering 804 (1), 012047 (May 2020)
		COVID-19 pandemic lockdown: An emotional health perspective of Indians on Twitter, International Journal of Social Psychiatry (June 2020)
		Predicting Chronic Kidney Disease using Machine Learning", GIS Science Journal, Volume 7, Issue 6, ISSN: 1869-9391, June 2020.
		Pollution Forecasting using Linear Logistic Regression and Neural Network", GIS Science Journal, Volume 7, Issue 6, June 2020, ISSN: 1869-9391
4	Umesh Kumar	"TWO FOLD SECURITY ON CLOUD CRM USING HASHING AND ROLE BASED SECURITY", Journal of Critical Reviews, Vol. 7, No. 18, Page 1442-1456, 2020
5	Payal	Implementation and comparison of topic modeling techniques based on user reviews in e-commerce recommendations, Journal of Ambient Intelligence and Humanized Computing, 1-16

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	Gulati	(April 2020), ISSN 1868-5137 / 1868-514
		A new approach to identify similar users based on customer reviews, IOP Conference Series: Materials Science and Engineering 804 (1), 012047 (May 2020)
		COVID-19 pandemic lockdown: An emotional health perspective of Indians on Twitter, International Journal of Social Psychiatry (June 2020)
6	Shivi Garg	A novel parallel classifier scheme for vulnerability detection in Android, Computers & Electrical Engineering, Vol 77, pp. 12-26, 2019.
		Data on Vulnerability Detection in Android, Data in Brief, Vol 22, pp. 1081-1087, 2019.
		Analysis of software vulnerability classification based on different technical parameters, Information Security Journal: A Global Perspective, Vol 28(1-2), pp. 1-19, 2019.
7	Parul Tomar	"IPv6 Addressing Scheme with a Secured Duplicate Address Detection", IETE Journal of Research, Taylor and Francis, 0974-780X
8	Deepika Punj	"Plant Leaf Diseases Detection Using Fuzzy C-Mean and Gaussian Smoothing", International Journal of Advanced Science and Technology,.Vol. 29, No. 3, (2020),pp. 10497 – 10511
		"A review paper on techniques to identify Plant diseases", Annals of Faculty Engineering Hunedoara-International Journal of Engineering, Tome XVIII [2020], Fascicule 2 [May], ISSN: 1584-2665
9	Jyoti	"Efficient Query Keyword interpretation for Semantic Information Retrieval", IIOAB Journal, Vol-11, issue2, PP-64-68", ISSN: 0976-3104
		"Semantic Web Mining by Combining Recurrent Neural Network and LSTM for Knowledge Discovery in Stock Market", Gedrag en Organisatie,ISSN:0921-5077, Vol-33, issue-3,PP-768-783
		"Semantic Prefetching Based Hybrid Prediction Model ", International Journal of Scientific and Technology Research, PP: 3324-3330, ISSN:2277-8616
		"Heart-Disease Prediction using UMAP and XGBoost",International Journal on Recent Technology and Engineering, PP: 2449-2457
		"Diabetes Mellitus Prediction using Ensemble Machine Learning Technique", International Journal on Recent Technology and Engineering,ISSN:2277-3878
		"Neural Networks Based Prefetching Control Mechanism", International Journal of Engineering and Advanced Technology, ISSn:2249-8958
10	Naresh	" Machine learning based Backlog Prioritization Techniques in Distributed Agile Software Development", International Journal of Advanced Science and Technology,

11	Chauhan	Vol. 29, Issue 6, 8699-8704, 2020, Indexed by Scopus
		Search for Prioritized Test Cases during Web Application Testing" International Journal of Applied Metaheuristic Computing (IJAMC), 10(2), 1-26, 2019.
	Preeti Sethi	" Wireless Sensor Networks : an Insight Review " International Journal of Advanced Science & Technology, Vol 28, No. 15 (2019) pp 612-627. ISSN :2005-4238
		Smart number cruncher – a voice based calculator", IOP Conf. Series: Materials Science and Engineering 804 (2020) 012041 doi:10.1088/1757-899X/804/1/012041
		TVCCCS: Television Viewer's Channel Cost Calculation System On Per Second Usage", IOP Conf. Series: Materials Science and Engineering 804 (2020) 012046 IOP Publishing doi:10.1088/1757-899X/804/1/012046
		Impact of Node Density on the QoS Parameters of Routing Protocols in Opportunistic Networks for Smart Spaces", Mobile Information Systems Volume 2020, Article ID 8868842, 18 pages
12	Lalit Mohan Goyal	Gastrointestinal diseases segmentation and classification based on duo-deep Architectures", Pattern Recognition Letters, vol. 131, pp 193-204, 2020
		Improved ECG Watermarking Technique Using Curvelet Transform. Sensors, 20 (10), 2941, 2020
		Image Watermarking in Curvelet Domain Using Edge Surface Blocks. Symmetry, 12(5), 822, 2020
		Corona Virus - SARS-CoV-2: An Insight to Another way of Natural Disaster. EAI Endorsed Transactions on Pervasive Health and Technology, 6(22), 2020
		Consumption of Licit and Illicit Substances leading to Mental Illness: A Prevalence Study, EAI Endorsed Transactions on Pervasive Health and Technology, 6(21), 2020
		Fake News Detection Using a Blend of Neural Networks: An Application of Deep Learning. SN Computer Science, 1, 1-9, 2020
13	Monika Gupta	Predicting Chronic Kidney Disease using Machine Learning", GIS Science Journal, Volume 7, Issue 6, ISSN: 1869-9391, June 2020.

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1	Payal Gulati	An Automatic Approach to Music Recommendations Based on Individual Personality Traits, International Conference on Innovative Computing & Communications (ICICC), April 2020
2	Shivi Garg	Jatin Arora, Ayush Bangaroo, Shivi Garg, "Theft Detection and Monitoring System using Machine Learning" in 6Th International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA 2020)
3	Parul Tomar	Simmi Madaan, Parul Tomar, Sapna Gambhir,"A Survey on Interoperability in Internet of Things", International Symposium on Fusion of Science& Technology (ISFT 2020), 6-10 January,2020.
4	Lalit Mohan Goyal	Sansanwal K., Mittal M. and Goyal L. M., Prediction of Rise in Violence Inclined Opinions Utility of Sentiment Analysis in the Modern World, ICCIS-2019, SKIT Jaipur, 09-10 Nov. 2019

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1	Workshop	Workshop on Internet of things	20/09/2019 to 21/09/2019
2	FDP	FDP on Data Analytics	18/10/2019 to 25/10/2019
3	FDP	FDP on Data Science with Python	15/01/2020 to 17/01/2020
4	Workshop	One Week Workshop on Hands-on Training on IoT Modules	24/02/2020 to 29/02/2020
5	FDP	FDP on Data Analytics Using R	11/07/2020 to 15/07/2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED(Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/FDP	Organized By	Date	
				From	To
1	Dr. Parul Gupta	Workshop on Data Analytics	J C Bose University of Science and Technology, YMCA	18/10/2019	25/10/19
		Data Science with Python	J C Bose University of Science and Technology, YMCA	15/1/2020	17/1/20
		Digital Transformation in Teaching Learning Process	J C Bose University of Science and Technology, YMCA	14/02/2020	6/3/20
		Research in Modern Era	J C Bose University of Science and Technology, YMCA	1/6/2020	5/6/20
		FDP on R	J C Bose University of Science and Technology, YMCA	11/7/2020	15/7/20
2	Dr. Ashlesha Gupta	FDP on Digital Transformation in Teaching Learning Process	J C Bose University of Science and Technology, YMCA	14/02/2020	6/3/20
		Value Added Course on Cloud Computing	J C Bose University of Science and Technology, YMCA	17/8/2020	23/8/2020
		Workshop on Data Analytics	J C Bose University of Science and Technology, YMCA	18/10/2019	25/10/19
		Data Analytics using R	J C Bose University of Science and Technology, YMCA	11/7/2020	15/7/20
		FDP on Enterpreneurship	J C Bose University of Science and Technology, YMCA	16/01/2019	30/1/2019
		FDP on IoT	J C Bose University of Science and Technology, YMCA	15/07/2019	15/10/2019
3	Dr. Payal Gulati	FDP on Digital Transformation in Teaching Learning Process	J C Bose University of Science and Technology, YMCA	14/02/2020	6/3/20
		Data Analytics using R	J C Bose University of Science and Technology, YMCA	11/7/2020	15/7/20
		Research in Modern Era	J C Bose University of Science and Technology, YMCA	1/6/2020	5/6/20

4	Ms. Shivi Garg	Data Science with Python	J C Bose University of Science and Technology, YMCA	15/1/2020	17/1/20
		Advance Research Methods	J C Bose University of Science and Technology, YMCA	08/06/2020	12/06/2020
		FDP on R	J C Bose University of Science and Technology, YMCA	11/7/2020	15/7/20
		FDP on Digital Transformation in Teaching Learning Process	J C Bose University of Science and Technology, YMCA	14/02/2020	6/3/20
5	Dr. Jyoti	Data Abalytics Using R	J C Bose University of Science and Technology, YMCA	11/7/2020	15/7/20
		Digital Transformation in Teaching Learning Process	J C Bose University of Science and Technology, YMCA	14/02/2020	6/3/20
		FDP on IOT	RV College of Engineering	17/11/2019	23/11/2019
6	Dr Rewa Sharma	Data Science with Python	J C Bose University of Science and Technology, YMCA	15/1/2020	17/1/20
		Advance Research Methods	J C Bose University of Science and Technology, YMCA	08/06/2020	12/06/2020
		FDP on R	J C Bose University of Science and Technology, YMCA	11/7/2020	15/7/20
		FDP on Digital Transformation in Teaching Learning Process	J C Bose University of Science and Technology, YMCA	14/02/2020	6/3/20
7	Dr. Umesh Kumar	Workshop on Data Analytics	J C Bose University of Science and Technology, YMCA	18/10/2019	25/10/19

INVITED TALKS/LECTURES DELIVERED(Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic of delivery	Venue	Date
1	Dr Preeti Sethi	KeyNote Speaker, in the National E Conference on " Advancement and Development in Engineering, Management and Science	E Conference organised by Department of Computer Science and Engineering, MIET, Greater Noida(UP) India	20/06/2020
2	Lalit Mohan Goyal	Data Mining	CDAC Noida	23/11/2019
3	Lalit Mohan Goyal	Evolution of Smart Cities	Holy cross college, Trichy	17/03/2020
4	Lalit Mohan Goyal	Google Classroom	Aggarwal College, Ballabhgarh	17/06/2020
5	Lalit Mohan Goyal	Evolution of Smart Cities	BVCOE, New Delhi	10/07/2020
6	Lalit Mohan Goyal	Supervised and Unsupervised Learning Methods	MRIU, Faridabad	25/07/2020

FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS etc.

Sr. No.	Name of Faculty	Details
1	Dr. Neelam Duhan	Member, ISTE
		Editorial Board, International Journal of Distributed and Cloud Computing, Publishing India
2	Dr. Parul Tomar	Member, ISTE,IEI and IET
3	Dr. Sapna Gambhir	Member, ISTE,CSI,IEEE,IAENG,IACSIT,ACM

LIST OF PH.D COMPLETED (Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic	Awarding Year	Institution
1.	Poonam	Game Theory Based Design of Secured Routing Protocol for MANET	July 2019	JCBUST
2.	Ashlesha Gupta	Design of an Incremental Migrating Crawler using Prospective Terms based Ranking	July 2019	JCBUST

GATE/ CAT/ OTHER EXAM QUALIFIED STUDENTS 2019-2020

Sr. No.	Name of Exam	Year	Count of Qualified Students
1	GATE	2019	22
2	GATE	2020	4

TRAINING PROGRAMMES HELD FOR STUDENTS

Date	Name of Activity	Number of Participants
20/09/2019 to 21/09/2019	Workshop on Internet of things	200
18/10/2019 to25/10/2019	FDP on Data Analytics	47
15/01/2020 to 17/01/2020	FDP on Data Science with Python	12
24/02/2020 to 29/02/2020	One Week Workshop on Hands-on Training on IoT Modules	33
11/07/2020 to 15/07/2020	FDP on Data Analytics Using R	10
03/10/2019 to 04/10/2019	Workshop Conducted on Opportunistic Networks	30
24/10/2019	Expert Lecture (Industry) Conducted on Open Source Technology	100
07/11/2019	Ideathon 2019	100
11/11/2019 to 16/11/2019	Workshop on Salesforce ADX-201 Administrator	50
23/05/2020	Online Workshop on Machine Learning	126
23/01/2020	IPR workshop for MSMEs of Faridabad	100
07/02/2020	Expert Lecture on Data Science	100

TRAINING PROGRAMMES HELD FOR FACULTY AND STAFF

Date	Name of Activity	Number of Participants
20/09/2019 to 21/09/2019	Workshop on Internet of things	70
18/10/2019 to 25/10/2019	FDP on Data Analytics	18
15/01/2020 to 17/01/2020	FDP on Data Science with Python	30
24/02/2020 to 29/02/2020	One Week Workshop on Hands-on Training on IoT Modules	7
11/07/2020 to 15/07/2020	FDP on Data Analytics Using R	77

SPONSORED R&D PROJECTS IN-HAND

Sr. No.	Name of Principal Investigator	Title of Research Project	Funding Agency	Duration	Year of Allotment	Amount (Rs.)
1.	Dr Lalit Goyal (Co-PI)	Image Forgery Detection using Curvelet Transform and Clustering	Prince Sultan University, Saudi Arabia	1 year	2019	2.11 Lakhs
2.	Dr Lalit Goyal	Analysis of Objective Question Paper conducted by J C Bose University of Science and Technology	J.C.Bose University of Science and Technology, YMCA, Faridabad	2 year	2020	2 Lakhs
3.	Prof Ashutosh Dixit (PI), Dr Preeti Sethi (Co-PI), Mr Puneet Garg (Co-PI)	Child Identification Software for Recognising Missing Children using Machine Learning based Speech Clarification Technique	AICTE	3 Years	2020	655686

CONSULTANCY PROJECTS IN-HAND

Sr. No.	Name of Principal Consultant	Name of the Project	Funding Agency	Duration	Year of Allotment	Amount (Rs.)
1.	Dr. Parul Tomar	Development of University website of Shri Krishna Ayush University	Shri Krishna Ayush University, Kurukshetra	2	2020	2,20,000
2.	Ms. Shruti, Prof. (Dr) Komal Kumar Bhatia	Curricula feedback	Guru Nanak Dev Engineering College Ludhiana	3 months	2020	21,000

CANDIDATE COMPLETED/DOING PH.D.

Sr. No.	Name of the Supervisor	Name of the Ph.D. Scholar	Mode of Ph.D. (Full Time/ Part Time)	Date of Registration	Research Topic
1	Dr. C. K. Nagpal	Poonam	Part Time	5th May 2011	Game Theory Based Design of Secured Routing Protocol for MANET
2	Dr. Manjeet Singh	Meghna Sharma	Part Time	5th May 2011	Outlier Detection of RFID Datasets
3	Late Dr. A.K. Sharma, Dr. Ashutosh Dixit	Ashlesha Gupta	Part Time	21st March 2012	Design of an Incremental Migrating Crawler using Prospective Terms based Ranking
4	Dr. Neelam Duhan, Dr C.K Nagpal	Mamta Kathuria	Part Time	21st March 2012	A Fuzzy Logic based Framework for Relevant Information Retrieval
5	Prof. P.S. Grover , Dr Ashutosh Dixit	Amandeep	Part Time	21st March 2012	Assessment and Evaluation of Quality Aspects of Software System

6	Late Dr. A.K. Sharma, Dr Neelam Duhan	Rajana Jain	Part Time	21st March 2012	Design of an Ontology Driven Information System for Semantic Web
7	Dr. Neelam Duhan, Dr. Poonam Bansal	Sumita Gupta	Part Time	21st March 2012	Design of a Search System for Online Digital Libraries
8	Dr.Anuradha, Dr. Dimple Juneja	Atul Srivastava	Part Time	5th March 2013	Adaptive Analyzer for Large Social Network using Distributive Crawling
9	Dr.Naresh Chauhan	Munish Khanna	Part time	5th March 2013	Design of Regression Testing Techniques for Web based System
10	Dr.Anuradha , Dr Rahul Rishi	Prashant Dixit	Part time	5th March 2013	Performance Analysis and Optimization of Routing Protocol for MANET
11	Dr.Jyoti , Dr Neelam Duhan	Sonia Setia	Part time	5th March 2013	Design of semantic prefetching system for web using low cost prediction method
12	Dr. Neelam Duhan	UshaYadav	Part time	5th March 2013	A Collaborative Design for Community based Semantic Information Sharing
13	Dr. C. K. Nagpal	Shruti Sharma	Part time	30th May 2016	Predictive Modeling Techniques using Big Data
14	Dr. C. K. Nagpal	Kamal	Part time	30th May 2016	An Efficient Big Data Analytics Framework for faster data processing
15	Dr. Naresh Chauhan, Dr Preeti Sethi	Pooja Ahuja	Part time	17th March 2017	Design of a Secure and reliable Framework for MANET.

16	Dr. Atul Mishra	Kuldeep Goyal	Part time	17th March 2017	Design of an Intelligent Decision Support Framework for Multi-attribute Multi-method based System.
17	Dr. Atul Mishra	Shikha Gupta	Part time	17th March 2017	Strategies for designing online Marketing Platform using Adaptive Data Analysis techniques.
18	Dr. Parul Tomar	Gyanendra Kumar	Part time	17th March 2017	Improvement of Quality of Services (QOS) in Internet of Things(IoT)
19	Dr. Parul Gupta, Dr Payal Gulati	Dimple Chehal	Full time	1st August 2017	Design of an E-Commerce Recommender System using data analytics
20	Dr. Parul Tomar	Ranjita Joon	Full time for 2 years.Now converted to part time	1st August 2017	Optimal Path Selection in Cognitive Radio Networks
21	Dr. Komal Bhatia, Dr Manjeet Singh	Surbhi Lingwal	Full time for 2 years. Now converted to part time	1st August 2017	Development of Analytical and Predictive Techniques for Machine Learning
22	Dr. Komal Bhatia, Dr Atul Mishra	Pramod	Part Time	16th Jan 2018	Generation of Business Intelligence through Multi Dimensional Data Analysis using Massive Data
23	Dr. Naresh Chauhan, Dr. Rashmi	Madan Singh	Full time	16th Jan 2018	Agile Project Management and Testing in Distributed Development

				Environment
24	Dr. Ashutosh Dixit, Dr Preeti Sethi	Puneet Garg	Full Time	1st Aug 2018	Design of Effective Data Communication Systems for Opportunistic Network
25	Dr. Parul Tomar, Dr Sapna Gambhir	Simmi Chawla	Full Time	1st Aug 2018	Design and development of Architecture for interoperability in heterogenous IoT Environment.
26	Dr. Manjeet Singh	Chandni Magoo	Full Time	1st Aug 2018	Context Aware Natural Language Interactive System
27	Dr. Komal Bhatia, Dr Rosy Madan	Vrinda	Full Time	1st Aug 2018	Design of a Computational Model for Measuring Impact of Social Media on Individual Emotional Intelligence
28	Dr. Manjeet Singh	Moha Gupta	Full Time	1st Aug 2018	Development of Natural Language Translation Technique(s) Using Machine Learning
29	Dr. Anuradha , Dr Deepika	Mamta	Full Time		
30	Dr. Manvi Siwach	Sushmita Singh	Full Time		
31	Dr. Sapna Gambhir, Dr Mohit Gambhir	Ketna Khanna	Full Time		
32	Dr. Preeti Sethi	Jyoti Nanwal	Full Time		
33	Dr. Komal Kumar Bhatia , Dr Neelam Duhan	Piyush Gupta	Part Time		
34	Dr. Parul Gupta, Dr Payal Gulati	Monika Gupta	Part Time		

35	Dr. Ashutosh Dixit, Dr. Dilip Kumar Sharma	Vishal Gupta	Part Time		
36	Dr. Manjeet Singh	Jyotsna Parmar	Part Time		
37	Dr. Atul Mishra	Monika Yadav	Part Time		
38	Dr. Rashmi Popli, Dr Harish Kumar	Shanu Verma	Part Time		
39	Dr. Neelam Duhan, Dr. Komal Kumar Bhatia	Dipti Goel	Part Time		
40	Dr. Komal Kumar Bhatia , Dr Sonali Goyal	Disha Garg	Part Time		
41	Dr. Rewa Sharma, Dr. Mamta Kathuria	Ayushi	Part Time (Interdisciplinary)		
42	Dr. Jyoti, Dr Manvi	Raveena Aggarwal	Part Time(Interdisciplinary)		
43	Dr. Lalit Goyal, Dr. Mamta Mittal	TAMANNA SACHDEVA	Full Time		
44	Dr.Rewa	RAJESH KUMAR	Full Time		
45	Dr. Deepika Punj	MANISHA MUDGAL	Full Time		
46	Dr. Rashmi Popli, Dr Sanjeev Goyal	NISHA JHA	Full Time		
47	Dr. Naresh Chauhan, Dr Rashmi Popli	ESHA KHANNA	Part Time		
48	Dr. Komal Kumar Bhatia	SHILPI	Part Time		
49	Dr. C.K.Nagpal	ANURADHA SINGH	Part Time		

50	Dr. Harish Kumar	SUNIL KUMAR	Part Time		
51	Dr. Lalit Goyal, Dr Mamta Mittal	BIJOY	Part Time		
52	Dr. Anuradha	SANDEEP KUMAR VISHWAKAR MA	Part Time		
53	Dr. Manjeet Singh	ALKA CHOUDHAR Y	Part Time		

INTERNAL REVENUE GENERATED

Sr.No.	Name of Project/ Consultancy	Amount (in Lacs)
1	Image Forgery Detection using Curvelet Transform and Clustering	2,11,000
2	Analysis of Objective Question Paper conducted by J C Bose University of Science and Technology	2,00,000
3	Child Identification Software for Recognising Missing Children using Machine Learning based Speech Clarification Technique	6,55,686
4	Development of University website of Shri Krishna Ayush University	2,20,000
5	Curricula feedback, GNDEC Ludhiana	21,000

LIST OF PROJECTS SANCTIONED TO THE UNIVERSITY

Sr. No.	Name of Principal Investigator	Title of Research Project	Funding Agency	Duration	Year of Allotment	Amount(Rs.)
1	Dr. Lalit Goyal (Co-PI)	Image Forgery Detection using Curvelet Transform and Clustering	Prince Sultan University, Saudi Arabia	1 year		2.11 Lakhs

2	Prof Ashutosh Dixit (PI), Dr Preeti Sethi (Co-PI), Mr Puneet Garg (Co-PI)	Child Identification Software for Recognising Missing Children using Machine Learning based Speech Clarification Technique	AICTE	3 Years	2020	655686

LIST OF RESEARCH PROPOSALS GRANTED BY UNIVERSITY

Sr.No.	Name of Principal Investigator	Department	Title of Project	Regular under SFS/ Budgeted	Amount Sanctioned
1	Dr. Lalit Goyal	CE	Analysis of Objective Question Paper conducted by J C Bose University of Science and Technology	SFS	2,00,000

Patents published/awarded during the year					
Sr. No.	Name of Faculty	Patent Details	Patent status Published/Filed	Patent Number	Date of Award
1	Lalit Goyal	Automated Method for Tumor Detection	Published	202011011121	20/03/2020
2	Dr. Lalit Goyal	Insect Species Classification Method	Published	202011024061	26/06/2020
3	Dr. Poonam	Dynamic Defense Mechanism Against Pinned Attack of Master Nodes in Wireless Sensor Networks(Innovation Patent under Australian Government)	Published	2020101390	5-August-2020
4	Dr. Ashutosh Dixit, Dr. Preeti Sethi	I-Automobile: Intelligent Automobile With Radio Frequency communication with Sensor Fusion	Published	201911049338	20/03/2020
5	Dr. Parul Tomar	Utility Patent at IPO	Published	201911035470	26/06/2020
6	Dr. Neelam Duhan	Design Application : Goggle with Speed Indicator	Published and Granted, Intellectual Property India, GOI	326252-001 Cbr No: 1441	May 2020

DEPARTMENT OF

MECHANICAL ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering has a distinguished record in both teaching and research. It has modern facilities and dedicated technical staff with office staff to support the academic programs and research. The Department has equipped itself with modern workshops/labs and modified syllabus for attaining excellence in engineering, The University has established itself as well known entity in the field of Mechanical Engineering. Under Graduate, Post Graduate and Ph.D. programs are running successfully in the department.

DEPARTMENT PROFILE

UG Course: B. Tech. (Mechanical Engineering)

PG Course: M. Tech. (Manufacturing & Automation Technology)

Ph.D. :   Mechanical Engineering

Target Students: Intermediate for B.Tech, Engineering Graduates for M. Tech and M. Tech for PhD

Total Number of Faculty: **27 (09 Professor + 05 Associate Prof. +13 Assistant Prof.)**

Number of Ph.D.'s: 24

Average Experience of faculty: 20

Chairperson: Professor Raj Kumar

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	14
2	Workshops	03
3	Lecture Halls	08
4	Conference Room	01

5	Seminar Halls/Projector Rooms/Research Lab	01
6	Internet Connection	Wi-Fi Network
7	Any Other Facility	02/Centre of Excellence

The Department regularly sponsors faculties for Faculty Development Programme/ Short Term Courses, Workshops and Conferences in country as well as foreign.

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Dr.Sandeep Grover	Professor	Ph.D, 2005	Quality Management	30
2	Dr. M. L. Aggarwal	Professor	Ph. D, 2007	Design	31
3	Dr.Tilak Raj	Professor	Ph.D, 2009	FMS, Manufacturing, Cutting Tool Design	29
4	Dr. Raj Kumar	Professor	Ph.D,2010	Energy, Thermal, Ref. & A/c	25
5	Dr.Vikram Singh	Professor	Ph.D, 2010	Service Quality Management, Design	17
6	Dr.Arvind Gupta	Professor	Ph.D,2012	Energy Management, CFD Modelling	27
7	Dr.Hari Om	Professor	Ph.D, 2014	Welding Technology	16
8	Dr.Vikas Turk	Professor	Ph.D, 2007	JIT, TQM	19
9	Dr. Lakhwinder Singh	Professor	Phd, 2012	Material Technology, Design	20
10	Dr.Sanjeev Kumar	Associate Prof.	Ph.D, 2011	Industrial Engineering	20
11	Dr.VasdevMalhotra	Associate Prof.	Ph.D, 2012	Manufacturing, Advanced Manufacturing Systems, HRM, Quality	19
12	Sh. NareshYadav	Associate Prof.	M.E., 1998	CAD/CAM, FEA, Gas Turbine Systems	19
13	Dr.Sanjeev Goyal	Associate Prof.	Post Doc, 2017 Ph.D,2012	Data Science, Industrial Engg, Robotics, Reliability Analysis	13
14	Dr.Sandhya Dixit	Associate Prof.	M.Tech,2008	FMS, Manufacturing Technology	17
15	Dr.Mukesh Gupta	Asst. Prof.	Ph.D, 2017	CAD/CAM, Nano Materials, Power plant design	14
16	Dr. Rajeev Kumar Saha	Asst. Prof.	Ph.D, 2012	Quality Management, Operations Management	25
17	Dr.Bhaskar Nagar	Asstt. Professor	Ph.D, 2012	Advanced Manufacturing, Machine Learning	14
18	Dr.NikhilDev	Asst. Prof.	Ph.D,2015	Thermal	14
19	Dr.Rajesh Kumar Attri	Asst. Prof.	Ph D, 2016	Industrial Engg.	11.5

20	Dr. KrishanVerma	Asst. Prof.	Ph. D, 2016	CAD/CAM, Design of Mechanical Systems, Finite Element Analysis	14
21	Dr. Mahesh Chand	Asst. Prof.	Ph D,2016	Supply Chain Mgmt., Operations Mgmt., Manufacturing Tech.	9
22	Dr. Om Prakash Mishra	Asst. Prof.	Ph D, 2016	JIT Supply chain and Material Handling	32
23	Sh. Surender Singh	Asst. Prof.	M.Tech,2008	SOM, CAD, Production	20
24	Dr. Bhupender Singh	Asst. Prof.	Ph.D, 2017	Industrial Engg and Automobiles	12
25	Dr. Shefali Trivedi	Asst. Prof.	Ph D, 2017	Metal Forming, Mechanical Metallurgy, Powder Metallurgy	8.5
26	Dr. Sanjay Kumar	Asst. Prof.	Ph D,2018	Computer Integrated Manufacturing, Advanced Manufacturing Processes	16
27	Sh. Nitin Panwar	Asst. Prof.	M.Tech., 2012	Thermal	6

DEPARTMENTAL PUBLICATIONS & FDP/STC(Academic year 2019-2020)

Sr. No.	Particulars	Count (2018-19)
1	Publications in International Journals	43
2	Publications in National Journals	
3	Publications in International Conference	04
4	Publications in National conferences	
5	STC/FDP	57

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

S. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1.	Dr. Sandeep Grover	1. Evaluation of critical success factors for green manufacturing using fuzzy TOPSIS" Industrial Engineering Journal, Vol 12, Issue 9, pp 5-15, September 2019
		2. An integrated AHP-GTA approach for measuring effectiveness of quality tools & techniques" International Journal of System Assurance Engineering and Management. Vol.11,No.1, 2019,pp.54–63
2.	Dr. M.L. Aggarwal	1. Investigation of GFRP gear accuracy and Surface roughness using Taguchi and Grey Relational Analysis, Journal of Advanced Manufacturing Systems, Vol. 19, No. 1 (2020) 147–165.
		2. Comparative Deflection Analysis of Conical Compression Spring With Standard Constant Rate Helical Spring, IOP Conf. Series: Materials Science and Engineering 804,2020.
		3. Reduced weight and cost in Smart Fork-Lift using NiTione way helical spring, International Journal of Mechanical and Production Engineering Research and Development, Vol. 10, Issue 1, Feb 2020, 483–498.
3	Dr.Tilak Raj	1. Optimization of cutting force using Metaheuristtics, International Journal of Process Management and Benchmarking, Vol 10(3), 2020, 350-366
		2. A Multi Attribute Selection of Mobile Robot using AHP/M-GRA Technique, Robotics system: Concepts. Methodologies, Tools and Applications, 2020,pp 262-284
		3. Quantifying the influence of FMS on the productivity of a firm, International Journal of Process Management and Benchmarking, Vol 9, No.4,2019,pp 447-468
		4. Analysis of Drivers for Green manufacturing using ISM, Industrial Engineering Journal, 2019

4	Dr. Raj Kumar	1. Computational Energy and Exergy Analysis of R134a, R1234yf, R1234ze and their Mixtures in Vapour Compression System", *Ain Shams Engineering Journal,*, Vol. 9, No. 4, 2018, pp. 3229-3237
		2. Thermo Economic Analysis of Environmental Friendly Refrigerant Mixtures for Replacement of R134a", *ARPN Journal of Engg. and Applied Sciences*, , Vol. 13, Issue 4, pp. 1357-1363, February 2018.
		3. Computational Energy and Exergy Analysis of R134a, R1234yf, R1234ze and their Mixtures in Vapour Compression System", *Ain Shams Engineering Journal,* Vol. 9, No. 4, 2018, pp. 3229-3237
		4. Thermo Economic Analysis of Material and Door Opening using Ecofriendly Refrigerant R600a in Domestic Refrigerator", International Journal of Ambient Energy (Taylor and Francis). Vol. 13, No. 4, ISSN 1819-6608
5	Dr. Vikram Singh	1. Study of Process Parameter and Microstructure of Freeze Casting Technology: A Review
		2. Effect of Process Parameters on Hardness of AA-6063 In-Situ Microwave Casting by Using Taguchi Method
		3. A Review on the selection of the variant Water in Concreting
		4. Analysis on the Behaviour of Stiffened and Unstiffened Steel Plate Shear Walls with Enhanced Performance, IOP Conf. Series: Materials Science and Engineering 804(2020) 012021
6	Dr. Arvind Gupta	1. Numerical Simulations of Performance of Plate Fin Tube Heat Exchanger Using Rectangular Winglet Type Vortex Generator with Punched Holes, SAE Technical Paper 2019-01-0145, 2019,doi: 0.4271/2019-01-0145
		2. **Numerical investigation towards implementation punched winglet as vortex generator for performance improvement of a fin-and-tube heat exchanger, International Journal of Heat and Mass Transfer 149 119171,2020**
		3. **Computer-aided engineering analysis for the performance augmentation of a fin-tube heat exchanger using vortex generator, Concurrent Engineering: Research and Applications,2019**
		4. Numerical simulation and comparative analysis of pressure drop estimation in horizontal and vertical slurry pipeline, Journal of Mechanical Engineering and Sciences,2019

		5. Performance Improvement of a Fin-Tube Heat Exchanger Using Rectangular Winglet as Vortex Generator, International Journal of Innovative Technology and Exploring Engineering, 2019
		6. Pressure drop calculation for fly ash slurry using rheological model, World Journal of Engineering,2019
7	Dr. Lakhwinder Singh	1. Investigation of GFRP gear accuracy and surface roughness using the Taguchi and grey relational analysis, Journal of advanced manufacturing systems, volume 19, No. 1, (2020), 147-165.
8	Dr. Sanjeev Goyal	1. An AHP-based comparison between automated and manual material handling systems in FMS environment. International Journal of Productivity and Quality Management, 28(2),2019, 256-277.
		2. Benchmarking model to analyse ISCM performance of selected Indian manufacturing industries using fuzzy AHP technique. International Journal of Industrial and Systems Engineering, *33*(1), 2019, 1-16.
		3. Benchmarking of internal supply chain management: factors analysis and ranking using ISM approach and MICMAC analysis, International Journal of Productivity and Quality Management, *27*(4), 2019,394-419
9	Dr. Sandhya Dixit	1. An AHP-based comparison between automated and manual material handling systems in FMS environment, International Journal of Productivity and Quality Management, Vol.28, No. 2, pp. 256-277, Oct 2019.
		2. Quantifying the influence of FMS on the productivity of a firm", International Journal of Process Management and Benchmarking, Volume 9, Issue 4, pp. 447-468, Nov 2019.
10	Dr. Rajeev Kumar Saha	1. Benchmarking model to analyse ISCM performance of selected Indian manufacturing industries using fuzzy AHP technique, International Journal of Industrial and Systems Engineering, Volume 33, Issue 1,2019, pp. 1–16,
		2. Investigation of Laser Sintered AlSi10Mg Specimens for Density and Surface Roughness. IOP Conference Series: Materials Science and Engineering, Volume 804, pp. 1-13, June 2020, e-ISSN:1757-899X
11	Dr. Rajesh Attri	1. Ranking model of total quality management enablers in healthcare establishments using the Best-Worst Method, TQM Journal, Vol. 31, No. 5, pp. 790-814, 2019.

		2. Mapping structural relationships among the critical factors of FMS flexibility, Journal of Advanced Manufacturing Systems, Vol. 18, No.3, pp. 469-485, 2019.
		3. AHP-VIKOR-based methodology for determining maintenance criticality, International Journal of Productivity and Quality Management, Vol. 29, No. 2, pp. 167-186, 2020.
		4. ISM-MICMAC approach for evaluating the critical success factors of 5S implementation in manufacturing organizations, International Journal of Business Excellence, Vol. 20, No. 4, pp. 521-548, 2020.
12	Dr. Krishan Kumar	1. Simulation of Airfoil Shape for Optimum Wing Characteristics, Materials Today: Proceedings, Vol.24, Issue 4, pp: 2231-2237, 2020.
13	Dr. Shefali Trivedi	1. Structural and Thermal Analysis for Design and Optimization of Disk Brake with Alternate Materials', International Journal of Recent Technology and Engineering, Volume-8 Issue-6. Page No.: 5161-5170.
14	Dr. Mahesh Chand	1. Evaluation of Supply Chain Coordination Index in Context to Industry 4.0 Environment, Benchmarking: an International Journal,2019
		2. Analysing the interaction of operational issues in sustainable supply chain: A framework, international Journal of Services and Operations Management.2019.
15	Dr. O P Mishra	1. Analysis of lean practices in manufacturing Industries : an ISM approach,Int. J. Six Sigma and Competitive Advantage,Vol. 11, No. 1,2109, pp73-94
		2. Simulation of aerofoil shape for optimum wing characteristics, Material today Proceedings 24, 2020,pp 2231-2237
16	Dr. Sanjay Kumar	1. Evaluation of Cutting Rate for Ultrasonic Work Piece Vibration Assisted Wire-EDM under Varying Amplitude of Vibration,(2020) Materials Science Forum (979) 149-156.
17	Sh. Nitin Panwar	1. AHP-VIKOR-based methodology for determining maintenance criticality, International Journal of Productivity and Quality Management International Journal of Productivity and Quality Management, Vol. 29, No. 2, pp. 167-186, 2020.

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1	Dr. Raj kumar	Analysis of Solar Ejector–Jet Refrigeration System Using Eco-Friendly Material R1234yf, Conference - Analysis of Solar Ejector–Jet Refrigeration System Using Eco-Friendly Material R1234yf, 13 Feb 2019, PP 831-838
2	Dr. Bhaskar Nagar	Intelligent manufacturing with the advent of Industry 4.0 in manufacturing industry: A systematic review and growth opportunities, TAME 19.
3	Dr. Rajesh Attri	Prioritization of Variables affecting the effectiveness of material handling System, 8th International Symposium on Fusion of Science and Technology, J.C. Bose University of Science & Technology, YMCA, Faridabad, January 6-10,2020.
4	Sh. Nitin Panwar	Critical Ranking of failure causes of opener subsystem using TOPSIS", International conference on Advances in Power Generation from Renewable energy sources, Engineering College Banswara (Raj.), March 6-7, 2020.

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1	Five days Workshop	Trends and Advances in GIS and surveying	13-17 Jan. 2020
2	Five days AICTE sponsored FDP	3 D printing and Design	20-24 Jan 2020
3	Five days TEQIP Sponsored FDP	Research in Modern Era	01-05June 2020
4	One day Workshop	Hands-on Practice on ANSYS	3 March 2020
5	International Symposium	COVID-19 &Beyond: The new normal in HEI's	10 June 2020
6	Workshop sponsored by Industry(opm)	VLCI Module 3& 4	29-30 July 2019
7	Workshop sponsored by TEQIP	Entrepreneurship / Start up	01May 2019
8	Workshop sponsored by TEQIP	Personality Development	10 October19
9	Workshop sponsored by Industry	Refrigeration and Air Conditioning	11 October 19
10	Symposium sponsored by TEQIP	Aatmanirbhar Bharat Hackathon -2020	20-22 May2020
11	Webinar	Developing as a Doctoral Student or Post Doc by Seeking Mentorship in Our Changing Educational Landscape	29 June 2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED (Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	**To**
1.	Dr. Sandeep Grover	Leadership for Academicians Program (LEAP)	BHU Varanasi and NTU Singapore. (MHRD Programme)	23-9-2019	13-10-2019
2.	Dr. Sandeep Grover	NAAC sponsored one day workshop on "An insight into revised accreditation	JC Bose University of Science & Technology, YMCA, Faridabad	12-02-2020	12-02-2020
3.	Dr.Sandeep Grover	"Digital Transformation in Teaching Learning Process"	IIT Mumbai (AICTE online SWAYAM Programme)	06-04-2020	22-04-2020
4.	Dr.Sandeep Grover	International Symposium on "COVID 19 beyond: The new normal in HEIs"	JC Bose University of Science & Technology, YMCA, Faridabad	10-06-2020	10-06-2020
5.	Dr.M L Aggarwal	Online course , Digital Transformation in Teaching and Learning Process	NPTEL	Feb.14,2020	March 6,2020
6.	Dr.M L Aggarwal	Green Energy Techologies for Sustainable Development	NIT Kurukshetra	June11,2020	June 20,2020
7.	Dr.M L Aggarwal	Author's Workshop conducted by Indian Socity of Mechanical Engineers	IIT Delhi	Dec.23,2019	Dec.2019

8.	Dr.Tilak Raj	Applications Development for IoT, at RVCE Bangalore	RVCE Bangalore	18 Nov., 2019	23 Nov., 2019
9.	Dr.Tilak Raj	AICTE Sponsored STC on 3D Printing and Design at JCBUST, YMCA, Faridabad	JCBUST, YMCA, Faridabad	20 Jan., 2020	24, Jan., 2020
10.	Dr.Tilak Raj	MOOCS on Digital Transformation in Teaching Learning Process organised by IIT Mumbai	IIT Mumbai	6 April, 2020	12, April, 2020
11.	Dr. Raj Kumar	PDP For Heads of Institutions	IIM Udaipur as a part of TEQIP -III	19.01.2019	21.01.2019
12.	Dr. Lakhwinder Singh	Research in modern era	JC Bose University of Science & Technology, YMCA, Faridabad	01.06.2020	05.06.2020
13.	Dr. Hari Om	Emerging Trends in Welding Technology and Welding Education	JNU Delhi	09/08/2019	09/08/2019
14.	Dr.Hari Om	Professional Development Training	IIM Vishakhapatnam	26/08/2019	30/08/2019
15.	Dr. Hari Om	An insight into Revised Accreditation Framework of NAAC	IQAC, J C Bose UST Faridabad	12/02/2020	12/02/2020
16.	Dr. Hari Om	Digital Transformation in Teaching Learning Process	IIT Mumbai	14/02/2020	28/02/2020
17.	Dr. Hari Om	How to write a high quality technical journal paper	Library, J C Bose UST Faridabad	20/04/2020	20/04/2020
18.	Dr. Hari Om	Research in Modern Era	JC Bose UST Faridabad	01/06/2020	05/06/2020

19.	Dr. Hari Om	COVID 19 & beyond: The new normal in HEIs	JC Bose UST Faridabad	10/06/2020	10/06/2020
20.	Dr.Mukesh Gupta	Personality Development Programme	IIM Kashipur	23.11.2019	27.11.2019
21.	Dr. Sandhya Dixit	One and half weeks FDP on 'Work System Design'	NAPTEL- AICTE	Oct 2019	
22.	Dr. Sandhya Dixit	One week FDP on'3D Printing & Design'	AICTE Training and Learning Academy, Jaipur	20.01.2020	24.01.2020.
23.	Dr. Sandhya Dixit	Two weeks FDP on 'Transformation in Teaching Learning Process (DTITLP)'	NPIU and conducted by IIT Bombay on SWAYAM	06.04.2020	22.04.2020.
24.	Dr. Sandhya Dixit	One week FDP on 'Research in Modern Era'	Mech Engg. Deptt., JCBUST, YMCA, Faridabad	01.06.2020	05.06.2020.
25.	Dr. Sandhya Dixit	One day International symposium on COVID 19 & Beyond: The new normal in HEIs	IQAC, JCBUST, YMCA, Faridabad,	10.06.2020	10.06.2020.
26.	Dr.Rajeev Kumar Saha	Professional Development Training	IIM Tiruchirapalli	26/08/2019	30/08/2019
27.	Dr.Rajeev Kumar Saha	3D Printing and Design	J.C. Bose UST, YMCA, Faridabad	20/01/2020	24/01/2020
28.	Dr.Rajeev Kumar Saha	Research in Modern Era	J.C. Bose UST, YMCA, Faridabad	01/06/2020	05/06/2020
29.	Dr.Rajeev Kumar Saha	Data Analytics Using R	J.C. Bose UST, YMCA, Faridabad	11/07/2020	15/07/2020
30.	Dr. Rajesh Attri	Creating high performance organizations	Indian Institute of Management, Bangalore	24 /02/2020	28 /02/2020

31.	Dr. Rajesh Attri	Research in Modern Era	J.C. Bose University of Science & Technology, YMCA, Faridabad	1 /6/2020	5 /6/2020
32.	Dr. Rajesh Attri	Advance Research Methods	J.C. Bose University of Science & Technology, YMCA, Faridabad	8 /6/2020	12 /6/2020
33.	Dr. Rajesh Attri	Industry-Academia Convergence-Bridging the Skill Gap	J.C. Bose University of Science & Technology, YMCA, Faridabad	22/6/ 2020	26/6/2020
34.	Dr. Rajesh Attri	Hybrid Manufacturing Processes: Opportunities and Challenges	National Institute of Technology, Jalandhar	6 /7/2020	10 /7/2020
35.	Dr. Rajesh Attri	Supply Chain Management: Challenges and Strategies	National Institute of Technology, Jalandhar	13/7/2020	17 /7/2020
36.	Dr. O. P. Mishra	research and Development	IIM Jammu	18/11/2019	22/11/19
37.	Dr. O. P. Mishra	COVID-19 Beyond The new Normal in Higher Educational Institutes	JCBUST	10//06/2020	10/06/2020
38.	Dr. Krishan Kumar	Research in Modern Era	JCBUST YMCA FBD	01.06.2020	05.06.2020
39.	Dr. Krishan Kumar	Industry-Academia Convergence "Bridging the Skill Gap	JCBUST YMCA FBD	22.06.2020	26.06.2020
40.	Dr.Shefali Trivedi	STC-Research in modern Era	ME Dept, J.C. Bose UST, YMCA	1/06/2020	5/06/2020

41.	Dr.Shefali Trivedi	3D Printing and Design	ME Dept, J.C. Bose UST, YMCA	20/01/2020	24/01/2020
42.	Dr.Shefali Trivedi	Innovative Teaching Methodologies	Management studies Dept, J.C. Bose UST, YMCA	24/09/2020	28/09/2020
43.	Dr.Shefali Trivedi	CAD Software	Civil Dept, J.C. Bose UST, YMCA	22/07/2019	26/07/2029
44.	Sh.Nitin Panwar	3D Printing & Design	J.C. Bose University of Science & Technology, YMCA, Faridabad	20 /1/2020	24/1/2020
45.	Sh.Nitin Panwar	Creating high performance organizations	Indian Institute of Management, Bangalore	24 /2/2020	28 /2/2020
46.	Sh.Nitin Panwar	Research in Modern Era	J.C. Bose University of Science & Technology, YMCA, Faridabad	1 /6/2020	5 /6/ 2020
47.	Sh.Nitin Panwar	Advance Research Methods	J.C. Bose University of Science &Technology, YMCA, Faridabad	8 /6/2020	12 /6/2020
48.	Sh.Nitin Panwar	Industry-Academia Convergence-Bridging the Skill Gap	J.C. Bose University of Science & Technology, YMCA, Faridabad	22 /6/2020	26 /6/2020

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49.	Sh.Nitin Panwar	Hybrid Manufacturing Processes: Opportunities and Challenges	National Institute of Technology, Jalandhar	6 /7/2020	10 /7/2020
50.	Sh.Nitin Panwar	Supply Chain Management: Challenges and Strategies	National Institute of Technology, Jalandhar	13 /7/2020	17 /7/2020
51.	Sh.Surender Singh	PDT program for senior faculty of TEQIP institute	IIM JAMMU	18/11/2019	22/11/2019
52.	Sh.Surender Singh	Work System Design	Nptel Online Certification Course	01/07/2019	31/10/2019
53.	Sh.Surender Singh	Research in modern era	JCBUST,YMCA	01/06/2020	05/06/2020
54.	Dr. Sanjeev Goyal	FDP on Research in Modern Era	JCBUST, YMCA	6/2/2020	10/02/2020
55.		ISFT-2020	JCBUST, YMCA	06/01/2020	10/01/2020
56.	Dr. Bhaskar Nagar	Research in modern era	Department of mechanical engineering, JCBOSEUST	01/06/2020	05/06/2020
57.	Dr. Bhaskar Nagar	Awareness Programme on Industry 4.0	Govt. Of India	09th August,19	

INVITED TALKS/LECTURES DELIVERED (Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic of delivery	Venue	Date
1	Dr.Sandeep Grover	PEO, CO and Rubrics (Under TEQIP 3)	Shivalik College Of Engineering, Dehradun (UTU)	19th July 2019
2	Dr.Sandeep Grover	Strategies for Quality Enhancement"	Baba Farid College of Engg. & Tech., Bathinda.	27th July 2019
3	Dr.Sandeep Grover	Importance of MOOCS" in workshop on MOOCS & Digital Learning organized by Digital India Cell	JC Bose University of Science & Technology, YMCA, Faridabad	29th July 2019
4	Dr.Sandeep Grover	Draft National Education Policy -2019 (to senior functionaries)	JC Bose University of Science & Technology, YMCA, Faridabad	29th July 2019
5	Dr.Sandeep Grover	Outcome based education (4-8 Nov. 2019) (NITTTR Course)	Kurukshetra University, Deptt of Electronic Science, Kurukshetra	7th Nov. 2019
6	Dr.Sandeep Grover	Revised Accreditation Framework of NAAC"– Process & Parameters (NAAC sponsored one day workshop on "An insight into revised accreditation framework of NAAC")	JC Bose University of Science & Technology, YMCA, Faridabad (NAAC sponsored workshop)	12th February, 2019
7	Dr.Sandeep Grover	"Outcome based education including Vision, Mission, PEOS" in web based program on "NBA Accreditation on Diploma Programs" (29th April to 3rd May 2020)	NITTTR, Chandigarh	29th April 2020 & 1st May 2020

8	Dr.Sandeep Grover	"Waste management strategies" in web based program on "Waste Management" (11th May to 15th May 2020)	NITTTR, Chandigarh	11th May 2020
9	Dr.Sandeep Grover	"Research Database & Indices"	Institute of Engineering &Technology, Alwar	13thMay 2020.
10	Dr.Sandeep Grover	Criteria 7 (Webinar on NAAC under - UGC Paramarsh scheme.)	Aggarwal College, Ballabgarh.	31stMay 2020.
11	Dr.Sandeep Grover	"Research Database & Indices" (FDP Research in Modern Era 1-5 June, 2020)	JC Bose University of Science & Technology, YMCA, Faridabad	1st June, 2020
12	Dr.Sandeep Grover	"Waste management strategies" in web based program on "Waste Management" (8th to 12th June 2020).	NITTTR, Chandigarh	8th June 2020
13	Dr. M.L. Aggarwal	Roof Top Water Harvesting,Invited Talk in STTP	REC Ambedkar Nagar (UP)	Nov.17,2020
14	Dr. M.L. Aggarwal	Engineering Materials	REC Ambedkar Nagar (UP)	Nov.16,2020
15	Dr. Tilak Raj	IQAC-Formation, Functions and Impact during the NAAC Sponsored workshop	JCBUST, YMCA, Faridabad	12-02-2020
16	Dr. Tilak Raj	Ethics in research during FDP of Research in Modern Era	JCBUST, YMCA, Faridabad	1-5 June, 2020
17	Dr.Vikram Singh	Management Capacity Building Training for	ESCI Hyderabad	30th August 2019

		Non-Teaching Staff		
18	Dr.Vikram Singh	National Workshop on NBA and NAAC Accreditation from 27-31 July 2019 by	ESCI Hyderabad	30th July 2019
19	Dr.Vikram Singh	Workshop on NBA Accreditation: Regulations and Procedure	MNNIT Allahabad, Prayagraj	27th July 2019.
20	Dr.Vikram Singh	2 days AICTE- Capacity building workshop on NBA Accreditation	Chandigarh	8-9 July 2019
21	Dr.Vikram Singh	2 daysWorkshop on NAAC Accreditation	Integral University Lucknow	25-26 April 2019
22	Dr Hari Om	Quality enhancement in HEIS	K.L. M Dayanand College for Women-Faridabad	08 June 2020
23	Dr. Hari Om	Quality enhancement in HEIS	K.L. M Dayanand College for Women-Faridabad	20 June 2020
24	Dr. Hari Om	Online A & A Methodology	JCBUST Faridabad	12th Feb 2020
25	Dr. Sanjeev Goyal	Rapid Prototyping in	5 days workshop on 3D Printing and Design in coordination with AICTE , Department of Mechanical Engineering, JCBose UST, Faridabad	20th Jan2020
26	Dr. Sanjeev Goyal	Data Science in Research In 5 days	FDP on Research in Modern era ,Department of Mechanical Engineering, JCBoseUST, Faridabad	6 Feb 2020

27	Dr. Sanjeev Goyal	D-H parameters in Robotics	JCBUST, YMCA	11th Jan2020
28	Dr. Nikhil Dev	Energy Management and Sustainability	Internationalconference held at GEC Banswara	6-7th March 2020
29	Dr.Rajeev Kumar Saha	Nits and Bits of Plagiarism	Online Faculty Development Program (FDP) on "Enhancing Research Capabilities" organized by Society of Materials and Mechanical Engineers (SOMME)	1st to 5th June 2020
30	Dr.Rajeev Kumar Saha	Plagiarism	Online Faculty Development Program (FDP) on "Research in Modern Era" organized by Dept. of Mech. Engg., JCBUST, YMCA, Faridabad	1st to 5th June 2020
31	Dr.Rajeev Kumar Saha	Research Ethics	National e-Conference on Advancement & Development in Engineering, Management & Science -2020 organized by Mangalmay Institute of Engineering & Technology, Greater Noida.	20th June 2020
32	Dr. Rajeev Kumar Saha	MADM	Advance Research Methods organized by Dept. of MBA, JCBUST, YMCA, Faridabad.	8th to 12th June 2020
33	Dr. Krishan Kumar	CAD: Technological Industrial Practices	JCBUST YMCA FBD	01st June2020
34	Dr. Krishan Kumar	Application of CAD tools for Civil Engineers	JCBUST YMCA FBD	25th July 2019

| 35 | Dr. Bhupender Singh | Reverse Logistics in Automobile Industry | Mata Raj Kaur Institute Engg. Technolgy, Rewari | 26th Sept 2019 |
| 36 | Dr. Bhupender Singh | Supply Chain Management for Manufacturing Industry | Mata Raj Kaur Institute Engg. Technolgy, Rewari | 21st Jan 2020 |

FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS etc.

Sr. No.	Name of Faculty	Details
1	Dr. Sandeep Grover	Session Chair in National Seminar (Online) on "Innovative Practices in Teaching Pedagogy" organized by ShriVishwakarma Skill University on 3rd May 2020.
		Recognised as 'Margdarshak' by AICTE to help mentee institutes for improving their Teaching Learning process
		Recognised as Mentor by Tech. Education , Haryana State Govt for handholding of Polytechnics of state for NBA
		Reviewer, Journal of Composite Materials
		Reviewer, Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture
		Member, UGC Swachhta Ranking Committee
		Expert Visit committee, AICTE
2	Dr. M.L.Aggarwal	Member, ISTE
		Member, IAENG. and Instituition of Engineers (India)
3	Dr. Sanjeev Kumar	Member, Instituition of Engineers (India
		Member, ISTE

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4	Dr. Vasdev Malhotra	Fellow Institution of Engineers
		Membership of International Association of Computer Science and Information Technology, (IACSIT), 9, Jurung hall Road, Singapore,
		Bronze Membership of KFS International Journal of Intelligent System
		Senior Membership of Institute of Research Engineers and Doctors
		Membership of IAENG International Association of Engineers
		Membership number 155605, 37-39 Hung to road , HONG KONG
		Membership of CBEES , Asia –Pacific Chemical , Biological and Environment , Engineering society , south Kowloon , Hong Kong
5	Dr. Sandhya Dixit	Member, IIIE
		Member, IEI
6	Dr. Rajeev Kumar Saha	Member, ISTE
7	Dr.Krishan Verma	Life Member, ISTE Delhi
		Life Member, IEI Kolkata
		Life Member, SHMT IIT Madras
8	Dr. Mahesh Chand	Life Member of Indian Education(LMISTE).
		Life Member of Indian Engineering (LMIIIE).
9	Dr. Om Prakash Mishra	Member, ISTE
10	Dr.Bhupender Singh	Life Member, Indian Society Technical Education
		Life Member of Indian Institute of Engineers
		Member of IAENG International Association of Engineers
		Member of Indian Green Building Council (IGBC)
		Member of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
11	Dr.ShefaliTrivedi	Member, ISTE
		Member of Institute of Engineers (INDIA)

12	Dr.Sanjay Kumar	Society of Technical Education(life member)
		Indian Institute of Industrial Engineering(senior member)
13	Dr.Lakhwinder Singh	Committee member of of framing ToR for Employer satisfaction surveyof TEQIP and Non TEQIP institutes by NPIU, New Delhi

GATE/ CAT/ OTHER EXAM QUALIFIED STUDENTS 2019-2020

Sr. No.	Name of Exam	Year	Count of Qualified Students
1	GATE	2020	31

TRAINING PROGRAMMES HELD FOR STUDENTS

Date	Name of Activity	Number of Participants
24/01/2020	Industrial Visit in Bony Polymer Pvt. Ltd. Plot no. 37,Faridabad plant	03
30/01/2020	Industrial Visit in Bony Polymer Pvt. Ltd. Talanpur plant	03

TRAINING PROGRAMMES HELD FOR FACULTY AND STAFF

Date	Name of Activity	Number of Participants
11/1/2020	Organised a workshop on Robotic Technology in the Robotic Lab of Mechanical Engineering Department.	50
3 March 2020	Hands-on Practice on	12

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SPONSORED R&D PROJECTS IN-HAND

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Sr.No.	Name of Principal Investigator	Title of Research Project	Funding Agency	Duration	Year of Allotment	Amount (Rs.)
1.	Dr. Sanjay Kumar	Development of Hybrid electrical Discharge Machining	University	3 year	2017	**3Lacs**
2.	Dr.Sanjeev Goyal	Development of ultrasonic vibration assisted EDM	JCBUST	4 years	2017	**3 Lacs**

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CONSULTANCY PROJECTS IN-HAND

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Sr.No.	Name of Principal Consultant	Name of the Project	Funding Agency	Duration	Year of Allotment	Amount (Rs.)
1.	Dr. Sandeep Grover	Manpower training on the process & parameters for revised A & A	Baba Farid College of Engg. &Tech., Bhatinda		on 15th Feb 2020	Rs. 8000/-
		Quality Enhancement in HEIs	KL Mehta Dayanand college for women, Faridabad		(June 2020)	Rs. 9000/-
2.	Dr. M.L. AGGARWAL	Compresion Testing of Materials	Panchayati Raj Gurgaon	1 year	2019	1.44 lakh

CANDIDATE COMPLETED/DOING PH.D.

Sr.No.	Name of the Supervisor	Name of the Ph.D. Scholar	Mode of Ph.D. (Full Time/ Part Time)	Date of Registration	Research Topic	Availing Fellowship Yes/No
1	Dr.Sandeep Grover	Sh. Vivek Sharma	Part time	12th Feb 2013	Application and Effectiveness of Quality Tools & Techniques in Select Manufacturing Industries	No
2	Dr.Sandeep Grover	Sh Sandeep Handa	Part time	28th Feb 2012	Study of issues related to green manufacturing	No
3	Dr.Tilak Raj	Sh. Subrata Kumar Patra	Part time	28th Feb 2012	Analysis of Energy Efficient Sustainable Manufacturing System	No
4	Dr. M.L.AGGARWAL	Mr.Suresh Kumar	Part Time	12th Feb 2013	Stress Evaluation Technique of Helical Spring With Modified Design Parameters	No
5	Dr. M.L.AGGARWAL	Atul Sharma	Part Time	12th Feb 2013	Comparative Analysis of Metal Matrix Composite and Fibre Reinforced Polymer Composite for a Gear	No
6	Dr. Arvind Gupta	Sh. Sachin Gupta	Part time	12th Feb 2013	Augmentation of Heat Transfer in Internal Flow	No
7	Dr. Arvind Gupta	Sh.Kanwarpal	Part time	12th Feb 2013	CFD Modeling for Particulate Flow through Straight Pipes and Bends	No

8	Dr. Arvind Gupta	Om Parkash	Part time	30th May 2017	Modeling and Simulation of Commercial Slurry Flow Through Pipeline Systems	No
9	Dr. Arvind Gupta	Vijay Soni	Part time	13th June 2018	Analysis of Quench and Quench induced Mechanical Stresses of 1.5T MRI system	No
10	Dr. Sanjeev Kumar	Sh. Nitin Panwar	Part time	17th April 2015	Development of advance maintenance planning and resource allocation system for industrial process	No
11	Dr.VasdevMalhotra	Anil Mahawar	Part time	11th April 2016	productivity enhancement through modular manufacturing system in casting industries	No
12	Dr. Bhaskar Nagar	Mahesh	Part Time	30th May 2017	Analysis and Evaluation of Select Issues for the Adoption and Performance Enhancement of Cloud Manufacturing System	No
13	Dr. Rajeev Saha and Dr.Sanjeev	Ritesh Sharma	Part time	12th Feb 2013	Correlation of Surface Finish and Process parameters in Laser Sintering Rapid Prototyping Technique	No

14	Dr. Rajeev Saha	Naveen Virmani	Part Time	12th Feb 2013	Effective Decision Support System for Leagile Manufacturing in Select Indian Industries	No

INTERNAL REVENUE GENERATED

S.No.	Name of Project/ Consultancy	Amount (in Lacs)
1.	Manpower training on the process & parameters for revised A & A	0.08
2.	Quality Enhancement in HEIs	0.09

OUTSTANDING ACHIEVEMENTS 2019-2020

AWARDS FOR INNOVATION WON BY INSTITUTION/TEACHERS/RESEARCH SCHOLARS/STUDENTS DURING THE YEAR

Sr. No.	Title of the innovation	Name of the Awardee	Awarding Agency
1.	Design Award	● Overall Rank 26 ● Overall Rank 12	● BAJA SAE INDIA,JANUARY 2020 (Pithampura) ● ATVC,FEBRUARY2020 (Vadodara)
2.	Acceleration Award	● Overall Rank 37 ● Overall Rank 9	● BAJA SAE INDIA 2020 ● ATVC 2020
3.	Endurance Award	● Overall Rank 14 ● Overall Rank9	● BAJA SAE INDIA 2020 ● ATVC 2020

4.	Suspension Award	● Overall Rank 6	● BAJA SAE INDIA 2020
5.	Sales/Business Plan Award	● Overall Rank 41 ● Overall Rank 15	● BAJA SAE INDIA 2020 ● ATVC 2020
6.	Cost/Aesthetics Award	● Overall Rank 18 ● Overall Rank 21	● BAJA SAE INDIA 2020 ● ATVC 2020
7.	Rock Crawl Award	● Overall Rank 18	● BAJA SAE INDIA 2020
8.	Manoeuvrability Award	● Overall Rank 11	● ATVC 2020
9.	Sledge Pull Award	● Overall Rank	● ATVC 2020
10.	Achievement Award	● Overall Rank 16 across India ● Overall Rank 11 across India	● BAJA SAE INDIA 2020 ● ATVC 2020

DEPARTMENT OF

ELECTRONICS ENGINEERING

DEPARTMENT OF ELECTRONICS ENGINEERING

The department of Electronics Engineering has a distinguished record in both teaching and research. It has modern facilities and a dedicated technical and office staff to support the academic programs and research.

DEPARTMENT PROFILE

UG Courses :   **1.**   B. Tech. (Electronics &Communication Engineering)

2.   B.Tech.(Electronics & Instrumentation Control Engineering)

3.   B.Tech. (Electronics & Computer Engineering)

PG Courses: **1.**   M. Tech. (Electronis&Communiction Engineering)

2.   M.Tech.(VLSI Design)

Ph.D. :   Electronics Engineering

Target Students: 540

Total Number of Faculty: 29 (03 Professor + 02 Associate Prof. +24 Assistant Prof.)

Number of Ph.D.'s: 09

Average Experience of faculty: 15 years. (approx.)

Chairperson: **Dr. Neelam Turk**

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1.	Labs	4
2.	Workshops	3
3.	Lecture Halls	5
4.	Conference Room	1

5.	Seminar Halls/Projector Rooms/Research Lab	1/2/1
6.	Internet Connection	Yes

The Department also sponsors its faculty for Short Term Courses and Conferences on regular basis.Dr. Bal Kishanfrom the department has successfully completed his Ph.D. degree during this academic year.

FACULTY PROFILE

S. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1.	Prof. Dinesh Kumar	Professor	Ph.D. (1996)	Nano-Physics, Fabrication and Semiconductor devices	27
2.	Prof.S.K. Agarwal	Professor	Ph.D. (2009)	Control System	31
3.	Prof. MunishVashishath	Professor	Ph.D. (2010)	Semiconductor Devices	15.5
4.	Dr. Neelam Turk	Associate Professor	Ph.D. (2011)	Signal Processing	12
5.	Dr. Pradeep Dimri	Associate Professor	Ph.D. (2013)	Embedded System	26
6.	Mr. Dushyant Shukla	Assistant Professor	M.Tech(2004)	Signal Processing	15.5
7.	Ms. Archana Agarwal	Assistant Professor	M.Tech(1996)	Communication Engg.	15
8.	Ms. Archna Aggarwal	Assistant Professor	M.Tech(1996)	Control Systems	11
9.	Mr. Bharat Bhushan	Assistant Professor	M.Tech(2011)	Electronics Engineering	13
10.	Mr. Bal Krishan	Assistant Professor	M.Tech(2009)	Nano Electronics	14
11.	Ms. Nitin Sachdeva	Assistant Professor	M.Tech(2005)	VLSI Design	13
12.	Ms Sangeeta Dhall	Assistant Professor	M.Tech(2006)	Network Security, Embedded System	14
13.	Dr.Shailender Gupta	Assistant Professor	Ph.D. (2012)	Networking, Image Processing	13

14.	Ms. Neetu Gupta	Assistant Professor	M.Tech(2007)	Video Processing	13
15.	Ms. Priyanka	Assistant Professor	M.Tech(2008)	Communication Engg	13
16.	Mr. Vinod Rathor	Assistant Professor	M.Tech(2011)	Control System	13
17.	Dr. Preet Kaur	Assistant Professor	Ph.D. (2017)	Microwave & Antenna Device	11
18.	Mr. Prashant Kumar	Assistant Professor	M.Tech(2008)	VLSI Design	11
19.	Ms. Sonam Khatter	Assistant Professor	M.Tech(2007)	ECE	11
20.	Dr.Shielza Jain	Assistant Professor	Ph.D. (2014)	Control System	12
21.	Ms. Rashmi Chawla	Assistant Professor	M.Tech(2010)	VLSI Design, IoT, Photovoltaic Devices	11
22.	Ms. Gunjan Sardana	Assistant Professor	M.Tech(2008)	Communication	11
23.	Ms. Kalpana Sheokand	Assistant Professor	M.Tech(2009)	Signal Processing	11
24.	Mr. Lalit Rai	Assistant Professor	M.Tech(2008)	Control System	10.5
25.	Dr. Sunil Jadav	Assistant Professor	Ph.D. (2018)	VLSI Design & Automation	10.5
26.	Ms. Manju Kumari	Assistant Professor	M.Tech(2011)	Image Processing	9
27.	Ms. Nisha Goyal	Assistant Professor	M.Tech(2012)	VLSI Design	3
28.	Mr. Kamaldeep	Assistant Professor	M.Tech(2016)	Analog VLSI Design	3
29.	Ms. Nisha Yadav	Assistant Professor	M.Tech(2014)	VLSI Design	3

DEPARTMENTAL PUBLICATIONS & FDP/STC(Academic year 2019-2020)

Sr. No.	Particulars	Count (2019-20)
1.	Publications in International Journals	28
2.	Publications in National Journals	-
3.	Publications in International Conference	-
4.	Publications in National conferences	-
5.	STC/FDP	6

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1.	Sunil Jadav	Jadav, S., Vashishath, M. & Chandel, R. High speed RLC equivalent RC delay model for global VLSI interconnects. Analog IntegrCirc Sig Process 100, 109–117 (2019). https://doi.org/10.1007/s10470-019-01398-x
2.	Sun Sunil Jadav	Sunil Jadav, MunishVashishath, Rajeevan Chandel "Modeling the Impact of Fundamental and Quantum Resistance on the Performance of SWCNT Based RLC Interconnects, has been published in International Journal of Modeling: Electronics Networks Devices and Field. Vol. 33, No. 1, Dec,2019
3.	Ms. Rashmi Chawla	R Chawla, P Singhal, AK Garg, Design and Analysis of Multi Junction Solar Photovoltaic Cell with Graphene as an Intermediate Layer, Journal of nanoscience and nanotechnology, vol. 20 (6), 1/6/2020, pg. 3693-3702
4.	Ms. Rashmi Chawla	Sanskriti Gupta, M Sharma, R Chawla, FPGA implementation of r-FIFO-based high-speed data acquisition IOT architecture model, SN Applied Sciences, vol. 2 (4), 4/2020, pg. 1-8
5.	Ms. Rashmi Chawla	AH Dhingra, GD Dhand, R Chawla, S Gupta, An integrated service model to support user specific QoS routing in cognitive radio ad hoc network, Peer-to-Peer Networking and Applications, 18/7/2020, pg. 1-12
6.	Ms. Rashmi Chawla	R Chawla, P Singhal, AK Garg, Photovoltaic Review of all Generations: Environmental Impact and Its Market Potential, Transactions on Electrical and Electronic Materials, 6/7/2020, pg. 1-21

7.	Ms. Rashmi Chawla	A Raheja, R Chawla, S Gupta, A Vashist, Controlling Over Enhancement of Images Using Histogram Equalization Technique, IOP Conference Series: Materials Science and Engineering, vol. 804 (1), 1/4/2020, pg. 012055
8.	Ms. Rashmi Chawla	R Chawla, P Singhal, AK Garg, A 10 nm Asymmetric Graphene–Rhenium Disulfide Field-Effect Transistor for High-Speed Application, physica status solidi (a), vol. 217 (2), 1/2020, pg. 1900450
9.	Ms. Rashmi Chawla	R Chawla, P Singhal, A Garg, Internet of Things Driven Framework for Smart Solar Energy System, Journal of Energy Resources Technology, vol. 142, 2019, pg. 1-11
10.	Ms. Rashmi Chawla	A Makkar, A Raheja, R Chawla, S Gupta, IoT Based Framework: Mathematical Modelling and Analysis of Dust Impact on Solar Panels, 3D Research, vol. 10 (1), 1/3/2019, pg. 1-13
11.	Ms. Rashmi Chawla	R Chawla, P Singhal, AK Garg, The Role of the GO Synthesis Process in Regulation of Non-linear Optic Properties, JOM, vol. 71 (5), 15/5/2019, pg. 1634-1642
12.	Ms. Rashmi Chawla	G Sharma, R Chawla, S Gupta, S Dora, A publicly verifiable watermarking scheme based on quantum chaos and DWT–DCT, SN Applied Sciences, vol. 1 (12), 1/12/2019, pg. 1699-1713
13.	Ms. Rashmi Chawla	S Dhiman, R Chawla, S Gupta, A novel video shot boundary detection framework employing DCT and pattern matching, Multimedia Tools and Applications, vol. 78 (24), 1/12/2019, pg. 34707-34723
14.	Ms. Rashmi Chawla	RS Chauhan, R Chawla, Design of Fault Tolerant Reversible Comparator, Journal of Semiconductor Devices and Circuits, vol. 6 (2), 23/9/2019, pg. 13-17
15.	Ms. Rashmi Chawla	SM Hardik Dhingra, Gagan Deep Dhand, Rashmi Chawla, Shailender Gupta, Resolving Travelling Salesman Problem Using Modified Clustering Technique, Research & Reviews: Discrete Mathematical Structures, vol. 6 (1), 2019, pg. 22–31
16.	Ms. Rashmi Chawla	R Chawla, Poonam Singhal, Amit k Garg,Impact of Dust for Solar PV in Indian Scenario: Experimental Analysis, Driving the Development, Management, and Sustainability of Cognitive Cities, IGI Global, 2019, pg. 111-138
17.	Prof.Nitin Sachdeva	"Analytical 2D Modeling of Surface Potential and Threshold Voltage for Lightly Doped Substrate NMOS", International Journal of Recent Technology and Engineering, Volume 8, Issue 4, pp. 12108-12111, November, 2019

18.	Prof.Nitin Sachdeva	"Effect of variation of Gate work-function on Electrical characteristics of lightly doped MOSFET", International journal of Future generation communication and networking, Volume 12, No. 4, pp. 17-26, December 2019
19.	Dr.Neelam Turk	Rolling Element Bearing Fault detection using Statistical Features and Ensemble classifiers, Volume-9 Issue-3, February 2020 International Journal ofEngineering and Advanced Technology ISSN: 2249 (Referred Journal)
20.	Dr.Neelam Turk	Rolling Element Bearing Fault Diagnosis using Empirical Mode Decompositionand Hjorth Parameters, Vol 166, 2019, Elsevier Procedia Computer Science ISSN: 1877-0509 (Referred SCOPUS Journal)
21.	Dr.Neelam Turk	Vibration Signature Analysis using Rough Sets and Analogy-Based ReasoningClassification Volume-8 Issue-6, March 2020 International Journal of RecentTechnology and Engineering ISSN: 2277-3878 (Referred Journal)
22.	Dr.Neelam Turk	A Robust Isolated Automatic Speech Recognition System using Machine Learning Techniques,International Journal of Innovative and Exploring Engineering ,Volume 8,Issue 10 ISSN: 2277-3878
23.	Dr.Neelam Turk	ASR system for Isolated words using ANN with Back Propagation and Fuzzy Based DWT, International Journal of Engineering and Advanced Technology,Vol.8 issue 6 ISSN: 2249-8958
24.	Dr. Neelam Turk	MQTT ProtocolemployingIOT Based home safety system with ABE encryption Multimedia Tools and Applications IssN 1380-7501
25.	Dr. Neelam Turk	Health Monitoring of Induction Motors through embedded systems-simulation of broker rotor bar fault and abnormal gear teeth fault,Microprocessors and Microsystems Elsevier Journal ,ISSN: 0141-9331
26.	Dr. Neelam Turk	Enhancing Network Coverage using Handoff Techniques in Mobile Wireless Sensor Networks Vol.16,No.2, pp-190-201,2020 ISSN : 1755-0394
27.	Dr. Neelam Turk	Condition Monitoring of Induction Motors Through Simulation of Bearing Fault and Air Gap Eccentricity Fault 'International Journal of Recent Technology and Engineering (IJRTE)' at Volume-8 Issue-3, September 2019 ,ISSN: 2277-3878
28.	Dr. Neelam Turk	Eccentricity Fault Diagnosis in BLDC motor using Finite Element and Frequency Research,IJRTE ISSN: 2277-3878

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1	STC	"MATLAB and Simulink with Hands on Practice".	22.07.2019 to 26.07.2019
2	Training	"Hands on Training on Design and Fabrication of PCB"	18.07.2019 to 24.07.2019
3	FDP	"IndustryAcademiaConvergene, Bridging the skill gap	22.06.2020 to 26.02.2020
4	Workshop	Workshop on CBCS	11.03.2020 to 13.03.2020
5	Webinar	"Technology & Economics of Infrastructure Development"	8.5.2020
6	FDP	VLSI Design- Mind to Market 2019	28.1.2019 to 2.2.2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED(Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
1	Archana Aggarwal	MATLAB and SIMULINK with Hands on Practice	J.C Bose, YMCA Faridabad	7/22/2019	7/26/2019
2	Dr. Neelam Turk	management Development Program	IIM INDORE	5/27/2019	5/31/2019
3	Dr. Sheilza Jain	MATLAB and Simulink with hands on Practice	J. C. Bose ,UST, YMCA, Faridabad	7/22/2019	7/26/2019

4	Dr. Sheilza Jain	VLSI Design- Mind to Market 2019	J. C. Bose ,UST, YMCA, Faridabad	1/28/2019	2/2/2019
5	Dr. Sheilza Jain	IOT INDIA CONGRESS (Aug 22-23)2019 ,BANGLORE	Institutions of Engineering and Technology	8/22/2019	8/23/2019
6	Dr. Sheilza Jain	Hands on Training on Design and Fabrication of PCB	J. C. Bose ,UST, YMCA, Faridabad	7/18/2019	7/24/2019
7	Kamaldeep	MATLAB and Simulink with hands on Practice	J. C. Bose ,UST, YMCA, Faridabad	7/22/2019	7/26/2019
8	Manju Kumari	MATLAB and Simulink with hands on Practice	J. C. Bose ,UST, YMCA, Faridabad	7/22/2019	7/26/2019
9	Nisha Yadav	MATLAB and Simulink with hands on Practice	J. C. Bose ,UST, YMCA, Faridabad	7/22/2019	7/26/2019
10	Nitin Sachdeva	Neural Network and its applications in optimization based control	College of Engineering, Pune	2/12/2019	6/12/2019
11	Nitin Sachdeva	MATLAB and Simulink with hands on Practice	J. C. Bose ,UST, YMCA, Faridabad	7/22/2019	7/26/2019
12	Nitin Sachdeva	VLSI Design- Mind to Market 2019	J. C. Bose ,UST, YMCA, Faridabad	1/28/2019	2/2/2019
13	Prashant Kumar	MATLAB and Simulink with hands on Practice	J. C. Bose ,UST, YMCA, Faridabad	7/22/2019	7/26/2019

14	Sonam Khera	MATLAB and Simulink with hands on Practice	J. C. Bose ,UST, YMCA, Faridabad	7/22/2019	7/26/2019
15	Sunil Jadav	MATLAB and Simulink with hands on Practice	J. C. Bose ,UST, YMCA, Faridabad	7/22/2019	7/26/2019
16	Dushyant Shukla	Professional development training program for faculty and administration of project institutions of TEQIP-III	IIM, Vishakhapattnam	8/26/2019	8/30/2019
17	Archna Aggarwal	Industry-Academia Convergence "Bridging the Skill Gap"	J. C. Bose ,UST, YMCA, Faridabad	22.6.2020	26.6.2020
18	Archna Aggarwal	The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop	IIT Bombay	20 June 2020	20 June 2020
19	Archna Aggarwal	Future Electric Grid	Chennai Institute of Technology	8.6.2020	8.6.2020
20	Archna Aggarwal	Digital Transformation in Teaching Learning Process	J. C. Bose ,UST, YMCA, Faridabad	6.4.2020	22.4.2020
21	Archna Aggarwal	Academic Publishing & Enhancing Research Effectiveness	Jamia MilliaIslamia,New Delhi	9.6.2020	9.6.2020
22	Archna Aggarwal	Patent Searching, Drafting and Filing	RVS College of Engineering,Coimbtore	17.5.2020	17.5.2020
23	Archna Aggarwal	Tips on Effective Ways of Scientific Literature Search	Chennai Institute of Technology	11.6.2020	11.6.2020

FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS etc.

S. No.	Name of Faculty	Details
Sr. No. 1	**Name** Dr. Dinesh Kumar	1. **Committees** 1. Member of executive council(Shri Vishwakarma Skill University, palwal) 2. Member of Building Works Committee(Shri Vishwakarma Skill University, palwal) 3. Member of Academic Council of National Resource Centre (NRC)for Annual Refresher Programme(ARPIT),(Guru Jambheshwar UST, Hisar) 4. Member of the Planning Board(Guru Jambheshwar UST, Hisar) 5. Member of the Academic planning Board (Indra Gandhi University, Meerpur, Rewari) 6. Member of Governing Board of IUAC(Inter University Accelerator Centre(IUAC)) 7. Member of committee to frame the draft notification regarding adoption UGC regulation for minimum qualification for appointments of teacher and other academic staff in Technical Universities(DGTE). 8. Member of Administrative Council (Rajkiya Engineering college, Azamgarh UP) 9. Member of committee to examine various polytechnic institutes for streamlining process of admission (Haryana State Higher Education Council) 10. Member of Executive Council(DCRUST, Murthal) 11. Member of Board of Governors (Haryana Pradesh Technical University) 12. Member of Advisory Committee(Haryana Pradesh Technical University) 13. Member of search committee for the post of Vice Chancellor(Haryana Pradesh Technical University/Govt. of Himachal Pradesh) 14. Member of Governing Body(FEC-Faridabad Education Council) 15. Member of Board of Management (STAREX University, Gurugram)
2	Dr.S.K. Agarwal	Data Auditor of TEQIP-II at**GJUST Hisar,** Kurukshetra University' Editor of YMCAUST Journal

3	Dr.MunishVashishath	- Data Auditor of TEQIP-II at i)DTU- DELHI,ii) MDU- ROHTAK,iii) DCRUST-MURTHAL iv) USIC KURUKSHETRA, - Editor of International Journal of Science, Technology and Management, - Reviewer of Journal of Circuits, Systems, and Computers, Journal of Nanoelectronics and Optoelectronics,Taylor's University Journal of Engineering Science & Technology, Journal of Circuits and Systems (CS), Journal of Signal and Information Processing(JSIP), YMCAUST International Journal of Research
4	Dr. Pradeep Kumar	Data Auditor of TEQIP-II atNC College of Engg. Israna
5.	Dr.Neelam Turk	Reviewer for Mechatronics (Elsevier), YMCAUST Journal, EPCS Journal (Taylor & Francis), IJEEPS
6.	Ms.ArchnaAggarwal	Reviewer for Journal of Renewable and sustainable energy reviews, Elsevier
7.	Dr. Sunil Jadav	Reviewer for ETRI Journal Korea
8.	Mr. Prashant Kumar	Sub Editor of YMCAUST Journal
9.	Dr. Shailender Gupta	Editorof IJCNIS(MECS), IJCNA(Everscience)IJETER(Everscience), Sub Editor(YMCAUST IJR Reviewer for IJFCM(Inderscience),Frontier of Computer Science(SPRINGER), Taylor and Francis

LIST OF PH.D. COMPLETED (Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic	Awarding Year	Institution
1.	(Dr. Bal Kishan)	Modelling & Simulation of CNT based devices for Nano electronics Applications	2019-20	JCBOSEUST,YMCA,Faridabad

GATE/ CAT/ OTHER EXAM QUALIFIED STUDENTS 2019-2020

Sr. No.	Name of Exam	Year	Count of Qualified Students
1.	CAT	2019	1
2.	GATE	2019	2

TRAINING PROGRAMMES HELD FOR STUDENTS

Date	Name of Activity	Number of Participants
22.07.2019 to 26.07.2019	"MATLAB and Simulink with Hands on practice".	40
28.09.19-19.10.19, 16.09.19-15.10.19 15.4.19-19.4.19	Remedial coaching	134
15.01.19	Personal counselling & mentoring	656
20/09/2019	Lecture on AMI Smart metering, Trends communication Technology	60
03/10/2019	Lecture on Transformation in cellular communication network-A precursor to 5G	65
19/09/2019	Lecture on Introduction to cement of manufacturing and trend change in its packing system and Basic Trends of Consumer and home application and MDU Industry	63
01/08/2019	Lecture on Demystifying Cloud	62
02/08/2019	Lecture on Super Computers-High Performance Computing	65
03/09/2019	Lecture on Emerging Trends in IT Computing	64
03/09/2019	Lecture on Entrepreneurship	60
06/08/2019	Lecture on Rich Communication Suite- future	60

	of messaging	
26/07/2019	IOT AND ITS APPLICATIONS	60
07/08/2019	Lecture on Telecom Networks and Implementation	66
10/08/2019	Lecture on Trends and Generations in Fire Alarm Detection and protection Technologies in Modern Buildings	62
22/08/2019	Lecture on Smart Cities, System on chip product life cycle, and Development IT networks of Indian Railways.	63
24.2.2020-29.2.2020	IoT hands on modules workshop 2020	60

TRAINING PROGRAMMES HELD FOR FACULTY AND STAFF

Date	Name of Activity	Number of Participants
18.07.2019 to 24.07.2019	"Hands on Training on Design and Fabrication of PCB"	24
22.07.2019 to 26.07.2019	"MATLAB and Simulink with Hands on practice".	10

CANDIDATES COMPLETED/DOING PH.D.

Sr. No.	Name of the Supervisor	Name of the Ph.D. Scholar	Mode of Ph.D. (Full Time/ Part Time)	Date of Registration	Research Topic	Availing Fellowship Yes/No
1	Dr. Neelam Turk/ Dr.Ratna	Priyanka	Part Time	7.6.2012	Magnetic Field Analysis for Health Monitoring of induction Motor Using Search Coil	No
2	Dr.MunishVashishath/ Dr. Rajeev Kapoor	Neetu Gupta	Part Time	7.6.2012	Video Behaviour Profiling for Anomaly Detection	No
3	Dr. Neelam Turk	Kalpana Sheokand	Part Time	7.6.2012	Effect of Time Varying Load and Constant on Effectiveness of Fault Detection of Electrical Machine	No
4	Dr.MunishVashishath/ Dr.Tarum Rawat	Dushyant Shukla	Part Time	7.6.2012	Noise Analysis of Electronics Circuit Using Stochastic Differincial Equations	No
5	Dr. Neelam Turk	Sonam Khera	Part Time	7.6.2012	Analysis and Implementation of Energy Efficient Wireless Sensor Network	No
6	Dr. S.K Aggarwal/ Dr. Alok Kumar	Tarun Sachdeva	Part Time	7.6.2012	Modeling, Simulation and optimization of Gate All Around MOSFET	No
7	Dr.MunishVashishath/ Dr. P.K. Bansal	Nitin Sachdeva	Part Time	7.6.2012	Modeling, Estimation and Reduction of Total Leakage in Scaled CMOS Logic Circuit	No
8	Dr. Neelam Turk/ Dr.SatvirDeswal	Gunjan Sardana	Part Time	7.6.2012	Condition Monitoring of BLDC Motor Using Advanced Signal Processing Techniques	No
9	Dr.MunishVashishath/ Dr.Rajeevan Chandel	Sunil Jadav	Part Time	7.6.2012	Investigation on Low Power VLSI Interconnect modelling and Simulation	No

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10	Dr.MunishVashishath/ Dr. P.K. Bansal	Prashant Kumar	Part Time	7.6.2012	Analytical Study of MOS Device for Leakage reduction in Low Power Circuit	No
11	Dr. S.K Aggarwal	Lalit Rai	Part Time	7.6.2012	Design of Model Predictive Control for Water Level control in Drum Boiler Steam Generator	No
12	Dr. S.K Aggarwal/ Dr. Anwar S. Siddiqui	Sanchi Bansal	Part Time	7.6.2012	Performance Analysis of Design of Sampled Data Network control System	No
13	Dr. S.K Aggarwal/ Dr. Vivek Kumar	Lokesh Garg	Part Time	7.6.2012	Inprovement of Transient Stability of Series Compensated Long transmission Line by Using Genatic Algorithm	No
14	Dr.Shailender Gupta	Manju Kumari	Part Time	1.1.2016	Design & analysis an efficient secured mechanism for preserving image confidentiality	No
15	Dr. Neelam Turk/ Dr.Dipali Bansal	Sunanda Mendiratta	Part Time	7.6.2012	Analysis of speech recognition system for Man Machine interaction	No
16	Dr.MunishVashishath/ Dr.Rajveer Singh	Taruna Sharma	Part Time	7.6.2012	Design & Analysis of Reconfiguration MHD Antenna	No
17	Dr. Neelam Turk	Chhaya Grover	Part Time	7.6.2012	Advance Fault Diagnosis of power-plant components using vibration signature analysis	No
18	Dr.Sheilza Jain and Dr.Rajender Kumar (NIT, KUK)	Savita	Full Time	1.7.2017	Performance Analysis of Fog Computing in IoT	No
19	Dr.Sheilza Jain and Dr. Sakshi Bangia	Ritika Thusoo	Full Time	1.7.2017	Analysis & Control of Unmanned Aerial Vehicle for Path planning using IoT	No

20	Dr.Sheilza Jain	Mayank Nahra	Full Time	1.7.2017	Analysis and Deployment of Solor Photovoltaic System for Sustainability	No
21	Dr.MunishVashishath, Prof. Shamim Ahmad and Dr. Sonia Bansal	Amir Mansoori	Full Time	1.7.2017	Design and Fabrication of Low Cost Printed Sensors using 2D Materials	No
22	Dr. Pradeep Kumar	Naresh Kumar	Full Time	1.7.2017	Analysis and Design of Embedded System Based Reconfigurable Circuit for Signal Processing	No
23	Dr. Pradeep Kumar	Lalit Kumar	Full Time	1.7.2017	Performance Analysis of Wireless System for IoT Application	Yes
24	Dr.MunishVashishath Dr.Shailender Gupta	Archana Aggarwal	Part Time	15.1.2018	Analysis and Design of Improve Contrast Enhancement Scheme	No
25	Dr. Pradeep Dimri Dr. Arti M.K	Pratibha Rani	Full Time	15.1.2018	Design and Analysis of Massive MIMO Communication System	No
26	Dr.Shailender Gupta	Reema	Full Time	15.1.2018	Analysis and Design of Neurodegenerative Disorder Detection Mechanism	Yes
27	Dr.Shailender Gupta	Sangeeta Dhall	Part Time	15.1.2018	Analysis and Design of a Multilevel Security Mechanism for Data Communication Networks	No
28	Dr. Dinesh Kumar & Dr.MunishVashishath	Surinder Singh	Part Time	15.1.2018	Design and Development of MEMS Based Liquid Propellant Micro Thruster Array for Space Application (Objectives were modified)	No

29	Dr. Sunil Jadav	Shweta	Full Time	19.7.2019	Analysis and design of efficient flexible gas sensor	**Yes (Tequip)**
30	Dr.Sheilza Jain	Sandeep	Full Time	19.7.2019	Design and analysis of effective controller for deregulated power system	**Yes (UGC)**
31	Dr. Sunil Jadav	Nisha Yadav	Part time	19.7.2019	Design and Analysis of Steep Sub-threshold Slope Devices for Futuristic Electronics	**No**
32	Dr. Pradeep Dimri	Pooja	Full Time	19.7.2019	Analysis And Design of Intelligent System for Machine Health Monitoring	**No**
33	Dr. Pradeep Dimri	Anjali Malik	Full Time	23.1.2020	Not Yet decided	**No**

INTERNAL REVENUE GENERATED

Sr.No.	Name of Project/ Consultancy	Amount(in Lacs)
1.	Project "Boond"	Rs. 3.25 lacs

AWARDS/PRIZES WON STUDENTS/FACULTY DURING THE YEAR

Sr. No.	Title of the Award	Name of the Awardee	Awarding Agency	National/ International
1	SMART TEE	Rashmi Chawla-Mentor/Faculty Mr.Bharat/Mr. Harsh	MRIU (1.2.2020)	National
2	Fabotics	Ms.Rashmi Chawla-Mentor/Faculty Mr.Digvijay and team	ST Microelectronics(28.2.2020)	National

AWARDS FOR INNOVATION WON BY INSTITUTION/TEACHERS/RESEARCH SCHOLARS/STUDENTS DURING THE YEAR

Sr. No.	Title of the innovation	Name of the Awardee	Awarding Agency
1.	SMART TEE	Ms.Rashmi Chawla-Mentor/Faculty Mr.Bharat/Mr. Harsh	MRIU (1.2.2020)
2.	Fabotics	Ms.Rashmi Chawla-Mentor/Faculty Mr.Digvijay and team	ST Microelectronics(28.2.2020)

DEPARTMENT OF

ELECTRICAL ENGINEERING

DEPARTMENT OF ELECTRICAL ENGINEERING

The department of Electrical Engineering has a distinguished record in both teaching and research. It has modern facilities and a dedicated technical and office staff to support the academic programs and research.

DEPARTMENT PROFILE

UG Course: **B.Tech in Electrical Engineering – Intake (60) + Lateral Entry**

PG Course: **1. M. Tech in Power System- Intake (18)**

2. M. Tech in Power Electronics and Drives- Intake (18)

Ph.D. : **Electrical Engineering**

Target Students: For B.Tech admission, targetedstudents are those who had qualified 12th class examinationwith Non-Medical stream and also had qualified JEE Main Examination. On the basis of all India rank in JEE main examination online counselling of students is done by Haryana State Counselling Society.

For M. tech admission targeted students are those who had qualified B.Tech in Electrical Engineering and B.Tech in Electrical and Electronics Engineering. Preference in admission will be given to candidate having valid gate score. After gate score students merit will be made on the basis of marks of the qualifying Examination.

For Ph.Dadmission, targeted students are those who had qualified M. Tech in Electrical Engineering and Electrical and Electronics Engineering and other discipline related to Electrical Engineering. Industry Persons are also targeted for admission in Ph.D course.

Total Number of Faculty: **15**

Number of Ph.D.'s: 07

Average Experience of faculty: 16 years

Chairperson: Dr.PoonamSinghal

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	Total lab count-08 1.Basic Electrical Technology lab 2. Power System lab 3. Power Electronics lab 4. Electrical Machine lab 5. Renewable Energy Lab 6. Research Lab 7. PLC and SCADA Lab 8. Calibration and Testing Lab
2	Workshops	01(General Electric Workshop)
3	Lecture Halls	04
4	Conference Room	01
5	Seminar Halls/Projector Rooms/Research Lab	Seminar Halls/ Projector Rooms-01 Research Lab-01
6	Internet Connection	Available in all Labs and lecture halls and faculty cabins

7	Any Other Facility	List of softwares available for the Research work:-
		1 MATLAB-licensed version software
		2 dSPACE1104
		3 dSPACE1103
		4 Typhoon HIL (Hardware inloop)
		5 ETAP(Electrical Power System Analysis Software)
		6 SKM PowerTool
		7 CYME(DIST)
		8 CYME(Transmission)
		9 PSIM
		10 Transformer Design Software
		11 PSCAD(Power System Computer AidedDesign)
		12 Smart boards and projectors are installed in all the lectures halls and labs

The Department also sponsors its faculty for Short Term Courses and Conferences on regular basis.Dr.Shakuntalafrom the department has successfully completed his Ph.D. degree during this academic year.

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Prof. P.R. Sharma	Professor	B.Tech, M.Tech, Ph.D(2004)	Power System	27
2	Prof. Rajesh Kr. Ahuja	Professor	B.Tech, M.Tech (IIT Kgp), Ph.D (IIT Delhi)(2012)	Power Electronics and Drives	23
3	Dr. PoonamSinghal	Professor & Chairperson	B.Tech, M.Tech, Ph.D(2015)	Power System	35
4	Dr. Anju Gupta	Associate Professor	B.Tech, M.Tech, Ph.D(2014)	Power System & Control System	21
5	Mr. V.K. Sharma	Assistant Professor	B.Tech, M.Tech,(1998), Ph.D (Pursuing)	Control System	24
6	Mr. NitinGoel	Assistant Professor	B.Tech, M.Tech,(2006) Ph.D (Pursuing)	Power System and Drives	13
7	Dr.Shakuntla	Assistant Professor	B.Tech, M.Tech, Ph.D (2019)	Power System	15
8	Dr. SakshiKalra	Assistant Professor	B.Tech, M.Tech, Ph.D(2014)	Power System and Drives	12
9	Dr. RashmiAgarwal (Jain)	Assistant Professor	B.Tech, M.Tech, Ph.D(2013)	Power System and Drives	12

10	Mrs. AnubhaGautam	Assistant Professor	B.Tech, M.Tech, (2007) Ph.D (Pursuing)	Power Electronics and Drives	15
11	Ms. ShipraAggarwal	Assistant Professor	B.Tech, M.Tech, (2008) Ph.D (Pursuing)	Power System and Drives	16
12	Mr. Satvinder Singh	Assistant Professor	B.Tech, M.Tech(2011	Power System and Drives	9
13	Mr. Atma Ram	Assistant Professor	B.Tech, M.Tech, (2012), Ph.D (Pursuing)	Power System and Drives	6
14	Ms. Rachna	Assistant Professor	B.Tech, M.Tech,(2013) Ph.D (Pursuing)	Power System	6
15	Ms. Bharti Thakur	Assistant Professor (On Contract)	B.Tech, M.Tech, (2012) Ph.D (Pursuing)	Power System and Drives	5

DEPARTMENTAL PUBLICATIONS & FDP/STC(Academic year 2019-2020)

Sr. No.	Particulars	Count (2018-19)
1	Publications in International Journals	16
2	Publications in National Journals	-
3	Publications in International Conference	11
4	Publications in National conferences	1
5	STC/FDP	20

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1	P.R. Sharma	Implementation Of Cuckoo Search Optimized Firing Scheme In 5 Level Cascaded H Bridge Multilevel Inverter For Power Quality Improvement, JPE, Vol19, No6, Nov 2019
2	Dr. Shakuntala	MATLAB Simulation Based Study Of Various Types Of Faults Occurring In The Transmission Lines, IJERT,VOL8, Issue12,2019
3	Dr. Shakuntala	Voltage And Frequency Regulations Schemes For An IAG Feeding Balanced /Unbalanced Loads, IJEAT, VOL9, Issue 2,2019
4	Dr. Shakuntala	Performance Assessment Techniques For The 3-Phase IAG,IJEAT, VOL2,ISSUE 9,2019
5	Ms. AnubhaGautam	ATC Evaluation and Maximization by Optimal Sizing & Location of TCSC using Grey Wolf Optimization,International Journal of Engineering&Advance technology (IJEAT), Volume 8, Issue 5,2019
6	Dr. Rashmi	An Integration of Solar Photovoltaic Generation to Three-Phase Utility Using Adaptive Control Algorithm, Journal of Institution of Engineers, Series B, 2020

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1	Dr. RashmiAggarwal	A. Kumar, Seema, B. Singh and R. Jain, "ROGI with FsLMS Based Control Technique for SOLAR PV system under weak grid, IEEE Int. Con. on Env. and Elec. Engg. And IEEE Ind.and Com. Pow. Sys. Europe (EEEIC / I&CPS Europe), Genova, Italy, Pg No 1-6 , 2019
2	Dr. RashmiAggarwal	A. Kumar, Seema, B. Singh, R. Jain and A. Verma ,"Multifunctional Grid-Tied PV System using Modified KLMS control, IEEE Ener. Conver. Congre. and Exposit. (ECCE),Baltimore, MD, USA,2019
3	Dr. RashmiAggarwal	A. Kumar, Seema, B. Singh and R. Jain, "AWILOG Based Control for Grid-Tied PV System under weak grid system, International Conference on Computing, Power and Communication Technologies (GUCON), NCR New Delhi, India,2019
4	Dr. Shakuntala	S.Boora, S.kAgarwal and K.S Sandhu, "Implementation of Mamdani type FIS and PI Based 3-legged VSI Controller for an Asynchronous Generator (AG)" IEEE, 7th International Conference on Signal Processing and Integrated Networks (SPIN), 2020, Noida, India, 2020
5	Atma Ram	Atma Ram ; Paras Ram Sharma ; Rajesh Kr. Ahuja," Adaptive Control Algorithm for DSTATCOM in three phase four wire distribution systems for Power Quality Improvement" 2019 3rd International Conference on Recent Developments in Control, Automation & Power Engineering (RDCAPE), 10.1109/RDCAPE47089.2019.8979019,622-627
6	Mr. Atma Ram	Atma Ram ; Paras Ram Sharma ; Rajesh Kr. Ahuja,NitinGoel," PLL Less Control Algorithm for Power Quality Improvement in distribution system using DSTATCOM,Lecture Note in Electrical Engineering (LNEE) under the book title Innovations in Electrical and Electronic Engineering, 2020

7	Ms. AnubhaGautam	AnubhaGautam, Dr P R Sharma, DrYogendraKumar,"Sensitivity based ATC maximisation by Optimal Placement of TCSC applying Grey Wolf Optimisation." IEEE,3rd International Conference on Recent Development in Control automation and Power Engineering, 2019, Amity University , Noida,
8	Ms. AnubhaGautam	AnubhaGautam, Dr P R Sharma, DrYogendra Kumar," Congestion Management By Sensitivity Approach for optimal allocation and parameter setting of TCSC using Grey Wolf Optimization" IEEE, First International Conference on Power,Control and Computing Technologies (ICPC2T), 2020, NIT, Raipur,2020
9	Dr. SakshiBangia	GauravKumar,Dr. SakshiBangia ," Technical aspects of grid connected pv array", International Symposium on Fusion of Science and Technology,2020
10	Dr. SakshiBangia	RupaliSinha ,Dr. SakshiBangia ," A REVIEW: ELECTRIC VEHICLES CHARGING SYSTEM, International Symposium on Fusion of Science and Technology,2020
11	Dr. SakshiBangia	RitikaThusoo,Dr. SakshiBangia," PID and MRAC control of a Quadrotor", International conference on recent developments in control, automation and Power Engineering (RDCAPE) 10-11 Oct 2019
12	Dr. SakshiBangia	RitikaThusoo,Dr. SakshiBangia," PID control of a Quadrotor " First International conference on Advanced & Computational Technology (ICACCT) 6-7 December 2019

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1	Workshop	Hands on Training on Design and Fabrication of PCB	18.07.09-24.07.2019
2	Expert Lecture	Energy Management of Buildings	06.08.2019
3	Expert Lecture	Renewable Energy Integration	22.08.2019
4	Expert Lecture	Energy Meter	26.08.2019
5	Expert Lecture	Industrial Safety	29.08.2019
6	Expert Lecture	Electrical Safety Audit	29.08.2019
7	Expert Lecture	Satellite Communication and application in Indian Economy	31.08.2019
8	Declamation Contest	550th birth anniversary of guru govindsinghji	04.09. 2019
9	Expert Lecture	Project Management	30.09.2019
10	Expert Lecture	Electricity, Generation and Transmission	30.09.2019
11	Expert Lecture	Design of power distributed system for a building project	01.10.2020
12	Expert Lecture	LED Lightening	01.10.2019
13	Expert Lecture	Low Voltage Switchgear , application, selection and coordination	01.10.2019
14	Expert Lecture	Aerosol Advanced Fire Suppression system	03.10.2019
15	Expert Lecture	Application and types of medium voltage switchgear	03.10.2019

16	Expert Lecture	HVAC Systems and new technologies	04.10.2019
17	Expert Lecture	Time Management	04.10.2019
18	Expert Lecture	LED Lighting	04.10.2019
19	Expert Lecture	Power System Stability	23.01.2020
20	Alumni Meet		18.02.2020
21	Expert Lecture	Instrumentation , Calibration and Testing	18.03.2020
22	Webinar	Solar Pumping Technology- A boon for industrial sector	08.05.2020
23	Webinar series	PLC Programming and HMI Development	28.05.2020- 12.06.2020
24	National Quiz	Renewable Energy for Sustainable Development in India	17.06.2020
25	Webinar	Artificial Intelligence , Machine Learning and Robotics	19.06.2020
26	Webinar	Building motivation and nurturing opportunities: Post COVID 19 lockdown- A special talk to students and parents	20.06.2020
27	Webinar	Industry 4.0: Thinking with ThingworX for IIOT4.0	22.06.2020
28	Staff Development Program(SDP)	Basic computer skills and ICT Tool : Google Classroom	10.06.2020- 14.06.2020
29	Faculty development Program	Green Technology	18.07.2020- 20.07.2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED(Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	**To**
1	Dr. Poonam Singhal	Hands On Training On Design And Fabrication Of PCB	JCBUST	18.07.2019	24.07.2019
2	Dr. Poonam Singhal	Basic Computer Skills and ICT Tool: Google Classroom	JCBUST	10.06.2020	14.06.2020
3	Dr. Poonam Singhal	Green Technology	JCBUST	18.06.2020	20.06.2020
4	Dr. P.R. Sharma	Hands On Training On Design And Fabrication Of PCB	JCBUST	18.07.2019	24.07.2019
5	Dr. P.R. Sharma	Basic Computer Skills and ICT Tool: Google Classroom	JCBUST	10.06.2020	14.06.2020
6	Dr. P.R. Sharma	Green Technology	JCBUST	18.06.2020	20.06.2020
7	Dr. Anju Gupta	Hands On Training On Design And Fabrication Of PCB	JCBUST	18.07.2019	24.07.2019
8		Digital Transformation In Teaching Learning Process	SWAYAM	14.02.2020	06.03.2020
9	Dr. Anju Gupta	Basic Computer Skills and ICT Tools "Google Classroom"	JCBUST (Online)	10.07.2020	14.07.2020
10	Dr. Anju Gupta	SmartGrid:Operational and planning with renewable energy and FACTS	NIT Kurukshetra (online)	29.07.2020	02.08.2020

11	Dr. Anju Gupta	AI For COVID 19 Outbreak Predicton, Forecasting, Data Analysis And Data Visualization With Python	EduxLabs (online)	11.07.2020	12.07.2020
12	Dr. Anju Gupta	Basics of machine learning	JCBUST(online)	27.04.2020	
13	Dr. Anju Gupta	Green Technology	JCBUST(online)	18.06.2020	20.06.2020
14	Dr. SakshiKalra	Hands on Training on Design and Fabrication of PCB	JCBUST	18.07.2019	24.07.2019
15	Dr. SakshiKalra	Digital Transformation in Digital Learning Process	IIT B	14.02.2020	06.03.2020
16	Dr. Sakshi Kalra	Application development for IOT	RVCE, Bengaluru	18.11.2019	23.11.2019
17	Dr. SakshiKalra	Industry-Academia Convergence: Bridging the skill gap	JCBUST	22.06.2020	26.06.2020
18	Dr. SakshiKalra	Basic Computer Skills and ICT Tool: Google Classroom	JCBUST	10.06.2020	14.06.2020
19	Dr. SakshiKalra	Green Technology	JCBUST	18.06.2020	20.06.2020
20	Dr. Shakuntala	Next Generation Power Converters: Design, PWM Strategy and Control	IIT Delhi	1.7.2019	5.7.2019
21	Dr. Shakuntala	Hands on training on Design and Fabrication of PCB	JCBUST, YMCA, Faridabad	18.06.2019	24.06.2019
22	Dr. Shakuntala	NPTEL Workshop	IIT Madras and JCBUST, YMCA, Faridabad	31.01.2020	
23	Dr. Shakuntala	Digital Transformation in Teaching Learning process	SWAYAM	14.2.2020	06.03.2020

24	Dr. Shakuntala	ISTE and IEI approved National Level one week online FDP on " Advanced Teachnig Tools, techniques and Methodologies for Outcome based Education	AISSMS COE Pune	01.06.2020	05.06.2020
25	Dr. Shakuntala	One Week online Staff Development Programme (SDP) on Computer Skills and ICT tool "Google Classroom"	Electrical EnggDeptt, JCBUST, YMCA Faridabad	10.07.2020	14.07.2020
26	Dr. Shakuntala	TEQIP-III Sponsored online FDP on "Green Technology"	Electrical EnggDeptt, JCBUST, YMCA Faridabad	18.07.20	20.07.2020
27	Dr. RashmiAggarwal	Hands on Training on Design and Fabrication of PCB	JCBUST	18.07.2019	24.07.2019
28	Dr. RashmiAggarwal	Digital Transformation in Digital Learning Process	IIT B	06.04.2020	22.04.2020
29	Dr. RashmiAggarwal	Basic Computer Skills and ICT Tool: Google Classroom	JCBUST	10.06.2020	14.06.2020
30	Dr. RashmiAggarwal	Green Technology	JCBUST	18.06.2020	20.06.2020
31	Dr. RashmiAggarwal	Industry-Academia Convergence: Bridging the skill gap	JCBUST	22.06.2020	26.06.2020
32	Mr.NitinGoel	Hands on Training on Design and Fabrication of PCB	JCBUST, YMCA, Fbd	18 July 2019	24 July 2019
33	Mr.NitinGoel	Application Development of IoT	RVCE, Bangaluru	18Nov 2019	23 Nov 2019

34	Mr.NitinGoel	Digital Transformation in Teaching Learning Process	NPIU, IIT, Bombay	14 Feb to	06 March 2020
35	Mr.NitinGoel	High Power Multilevel Converters- Analysis, Design and Operational Issues	NPTEL, IIT Madras	Jan 2020	April 2020
36	Mr.NitinGoel	Laboratory Management System and Internal Audit as per IS/ISO/IEC 17025:2017	Belz Training Inst. Faridbad	10 Feb 2020	13 Feb 2020
37	Ms. AnubhaGautam	Basics of Advances in Structural Equation Modelling	IIM, Kochi	17-21 Feb 2020	24.07.2019
38	Ms. AnubhaGautam	Choice Based Credit System	NITTTR,Chd (YMCAUST,Fbd)	11-13 March 2020	22.11.2019
39	Ms. AnubhaGautam	International Symposium on Covid19 & Beyond: The new normal in HEIs	JCBUST, YMCA, Fbd	10th June 2020	14.07.2020.
40	Ms. AnubhaGautam	Green technology	JCBUST,YMCA	18.07.2020	20.07.2020
41	Ms. ShipraAggarwal	Hands on training on design and fabrication of PCB	JCBUST,YMCA	18.07.2019	24.07.2019
42	Ms. ShipraAggarwal	Professional Development Training under TEQIP III	IIM,Raipur	18.11.2019	22.11.2019
43	Ms. ShipraAggarwal	Basic Computer Skills and ICT Tools "Google Classroom"	JCBUST,YMCA	10.07. 2020.	14.07.2020
44	Ms. ShipraAggarwal	Green technology	JCBUST,YMCA	18.07.2020	20.07.2020

45	Mr. Satvinder	Hands on training on Design and Fabrication of PCB	JCBUST Faridabad	18.07.2019	24.07.2019
46	Mr. Satvinder	Staff Development progeamme	IIM Trichy	23 .09.2019	27.09.2020
47	Mr. Satvinder	Power Electronic converters In grid integration of Renewable Energy source	MNIT JAIPUR	27.12.2019	31.12.2019
48	Mr. Satvinder	Design, control, and operation of flexible Micro-grids with opportunities and challenges	MNIT JAIPUR	04.03.2020	08.03.2020
49	Mr. Satvinder	Basic Computer Skills and ICT Tools "Google Classroom	JCBUST Faridabad	10.07.2020	14.07.2020
50	Mr. Satvinder	Recent trends and innovation in Electronics Engineering	JCBUST Faridabad	22 .06.2020	26.06.2020
51	Mr. Satvinder	Power Quality and Reactive Power Management	DTU Delhi	6.07.2020	10.07.2020
52	Mr. Satvinder	Training programme on Smart Metering at Power Grid	PowerGridTrainng centre , Manesar	27.02.2020	
53	Mr. Satvinder	PLC Programming and basic Introduction	ManavRachna University	26.08.2019	28.08.2019
54	Ms. Rachna	Hands on Training on Design and Fabrication of PCB	JCBUST	18.07.2019	24.07.2019
55	Ms. Rachna	Communication skills	JCBUST	01.07.2020	05.07.2019
56	Ms. Rachna	Digital Transformation in Digital Learning Process	SWAYAM	06.04.2020	22.04.2020

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57	Ms. Rachna	Basic Computer Skills and ICT Tool: Google Classroom	JCBUST	10.06.2020	14.06.2020
58	Ms. Rachna	Green Technology	JCBUST	18.06.2020	20.06.2020
59	Ms. Rachna	Industry-Academia Convergence: Bridging the skill gap	JCBUST	22.06.2020	26.06.2020
60	Mr. Atma Ram	Hands on training on design and fabrication of PCB	JCBUST,YMCA	18-07-2019	24-07-2019
61	Mr. Atma Ram	Next Generation Power Converter Design,PWM strategy and Control	IIT,Delhi	01-07-2019	05-07-2019
62	Mr. Atma Ram	Power Electronic converters in Grid Integration of renewal resources	MNIT Jaiput	26-12-2019	31-12-2019
63	Mr. Atma Ram	Basics to Advances in structural Equation modeling	IIM Kozhikode, Kochi Campus	17-02-2020	21-02-2020
64	Mr. Atma Ram	Digital transformation in teaching learning process	Online TEQUIP ,IIT Bombay	14-02-2020	06-03-2020
65	Mr. Atma Ram	Basic Computer Skills and ICT Tools "Google Classroom"	JCBUST,YMCA	10-07- 2020.	14-07-2020
66	Ms. Bharti Thakur	Hands On Training On Design And Fabrication Of PCB	JCBUST,YMCA	18-07-2019	24-07-2019
67	Ms. Bharti Thakur	Digital transformation in teaching learning process	Online TEQUIP ,IIT Bombay	14-02-2020	06-03-2020
68	Ms. Bharti Thakur	Basic Computer Skills and ICT Tools "Google Classroom"	JCBUST,YMCA	10-07- 2020.	14-07-2020

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INVITED TALKS/LECTURES DELIVERED(Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic of delivery	Venue	Date
1	Dr Anju Gupta	Basic Computer Skills-Microsoft word	JCBose University of Science and Technology, YMCA	10.06.2020
2	Dr Anju Gupta	Artificial Intelligence Techniques	University of Engg and Management,Jaipur	6th Sept 2019
3	Dr Anju Gupta	Gender Myths And Leadership Challenges: Post Covid-19 Lockdown	J.C.Bose,UST,Faridabad	29th June,2020
4	Dr Anju Gupta	Artificial Intelligence And Its Applications In Engineering	University of Engg and Management,Jaipur	14th july,2020
5	Ms Rachna	Basic Computer Skills-Microsoft word	JCBose University of Science and Technology, YMCA	10.06.2020

FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS etc.

Sr. No.	Name of Faculty	Details
1	Dr. PoonamSinghal	Member District Advisory Committee(PC&PNDT), Member(Internal Complaints Committee)

LIST OF PH.D. COMPLETED (Academic year 2019-2020)

S. No.	Name of Faculty	Topic	Awarding Year	Institution
1.	Dr.Shakuntala	Controllers for the Enhancement of performance of isolated asynchronous generators	2019	J. C. Bose University of Science and Technology , YMCA Faridabad

GATE/ CAT/ OTHER EXAM QUALIFIED STUDENTS 2019-2020

Sr. No.	Name of Exam	Year	Count of Qualified Students
1	GATE	2020	20

TRAINING PROGRAMMES HELD FOR STUDENTS

Date	Name of Activity	Number of Participants
22-08-2019	VISIT TO 220KV GAS INSULATED SUBSTATION (GIS) on 22/08/2019	55
26-08-2019 to 28-08-2019	Visit to Workshop on "Advance Techniques in Factory Automation" in ManavRachna International Institute of Research and studies for B.Tech(5th EL) from 26/08/2019 to 28/08/2019	42
27-02-2020	Industrial visit to Smart Grid Knowledge centre, Manesar, Gurgaon for B.Tech (8th EL) students on 27-02-2020	30

02-03-2020 to 06-03-2020	Teqip-3 sponsored one week short term course on Power Electronics for distributed Generation and electric Drives at SVNIT Surat.	07
04-03-2020 to 08-03-2020	SPARC sponsored one week workshop on design, control and operation of flexible microgrids with opportunities and Challenges at MNIT Jaipur	05
22,23,29 feb& 1 march 2020	Value Added course on Industrial Automation	50

TRAINING PROGRAMMES HELD FOR FACULTY AND STAFF

Date	Name of Activity	Number of Participants
	Fabrication of PLCs	
10.06.2020-14.06.2020	Basic Computer Skills and ICT Tool: Google Classroom	108
18.06.2020-20.06.2020	Green Technology	145

CANDIDATE COMPLETED/DOING PH.D.

Sr.No.	Name of the Supervisor	Name of the Ph.D. Scholar	Mode of Ph.D. (Full Time/ Part Time)	Date of Registration	Research Topic	Availing Fellowship Yes/No
1.	Dr.S.K.Aggarwal &Dr.K.S.Sandhu	Shakuntla	Part time	Ph-01/2k10	Controller for the enhancement of the performance of isolated asynchronous generator	NO
2.	Dr.P.R.Sharma &Dr.DheerajJhoshi	NitinGoel	Part time	YMCAUST/Ph13/2k11	Analysis and control of DFIG	NO

3.	Dr.P.R.Sharma	Anubha	Part time	YMCAUST/Ph14/2k11	Congestion Management in deregulated power system	NO
4.	Dr.S.K.Aggarwal	Kusum	Part time	Phd/05/2k10	Design of FACTS controllers to enhance the performance of power system	NO
5.	Dr.P.R.Sharma	Deepshikha	Part time	YMCAUST/Ph13/2k11	Control And Analysis of Multilevel Inverter for Power Quality Improvement	NO
6.	Dr.P.R.Sharma	Atma Ram	Part time	YMCAUST/PH04/2014	"Control Aspects of D-STATCOM for Power Quality Improvement	NO
7.	Dr.RashmiAgarwal	Abhishek Kumar	Full time		Control Techniques for power quality improvement in the Grid integrated Solar PV Energy system	YES
8.	Dr. P.R. Sharma	Manisha Devi	Full time		Performance analysis of Hybrid Renewable Energy integrated systems	YES
9.	Dr.PoonamSinghal	Pragalbha Kant	Full time			YES
10.	Dr.SakshiKalra	Gaurav	Full time		Enrolled in July 2019	YES
11.	Dr.Anju Gupta	Uma Yadav	Full time		Enrolled in July 2019	YES
12.	Dr.PoonamSinghal	Sagar	Part-time		Enrolled in July 2019	NO
13.	Dr.PoonamSinghal	Pardeep	Part-time		Enrolled in July 2019	NO

DEPARTMENT OF

COMPUTER APPLICATIONS

DEPARTMENT OF COMPUTER APPLICATIONS

The department of Computer Applications has a distinguished record in both teaching and research. It has modern facilities and a dedicated technical and office staff to support the academic programs and research.

DEPARTMENT PROFILE

UG Course: **01**

PG Course: **01**

Ph.D. :   **NIL**

Target Students: **300**

Total Number of Faculty: **05** (1 Professor + 4 Assistant Prof.)

Number of Ph.D.'s: **05**

Average Experience of faculty: 14 years

Chairperson: Dr. Manjeet Singh Tomar

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	10
2	Workshops	3
3	Lecture Halls	10
4	Conference Room	1
5	Seminar Halls/Projector Rooms/Research Lab	1
6	Internet Connection	NKN line with 1 Gbps speed, BSNL leased line with 100 Mbps speed
7	Any Other Facility	Research Lab, Animation Lab

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1.	Dr. Manjeet Singh	Professor	M.Tech, PhD(2008)	AI, NLP, Soft Computing, Information Retrieval, Semantic web	18.5
2.	Dr. Shilpa	Assistant Professor	Ph.D.(2018)	Information Retrieval, Computer Vision	15
3.	Dr. MamtaKathuria	Assistant Professor	Ph.D.(2019)	Fuzzy and Web Mining, Artificial Intelligence	13
4.	Dr. Manvi	Assistant Professor	Ph.D.(2017)	Internet Technologies, Ontology	13
5.	Dr. Vedpal	Assistant Professor	Ph.D.(2019)	Object Technology, Software Testing	11

DEPARTMENTAL PUBLICATIONS & FDP/STC(Academic year 2019-2020)

Sr. No.	Particulars	Count (2018-19)
1	Publications in International Journals	09
2	Publications in National Journals	Nil
3	Publications in International Conference	04
4	Publications in National conferences	Nil
5	STC/FDP	14

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1.	Dr. ShilpaSethi	1. 1.Plant Leaf Diseases Detection Using Fuzzy C-Mean and Gaussian Smoothing, International Journal of Advanced Science and Technology, Vol.29, Issue 03, Pg. 10497-10511, ISSN 2005-4238, June 2020 2. Hybrid Machine Learning Approach to Cardiovascular Disease Prediction, International Journal of Advanced Science and Technology, Vol.29, Issue 03, Pg. 13452-13464, ISSN 2005-4238, June 2020 3. Heart Disease Prediction Integrating UMAPandXGBoost, International Journal of Recent Technology and Engineering, Vol. 9, Issue 1, Pg. 2440-2457, ISSN 2277-3878, May 2020 4. A review Paper on Techniques to Identify Plant Diseases, Annals of Faculty Engineering Hunedoara-International Journal of Engineering, Vol. 18, Issue 9, Pg. 171-182, ISSN 1584-2673, May 2020
2.	Dr. MamtaKathuria	1. Face recognition technique: a brief review, in JETIR (Journal of Emerging Technologies and Innovative Research, www.JETIR.org) ISSN : 2349-5162, UGC Approved & 5.87 Impact Factor on April-2019. 2. Performance Comparison between Different Routing Protocols Using Various Parameters in Manet", in JETIR (Journal of Emerging Technologies and Innovative Research, www.JETIR.org) ISSN : 2349-5162, UGC Approved & 5.87 Impact Factor on April-2019. 3. PriyankaDindodia, "A Survey of various Recommendation Techniques", GIS Science Journal, An UGC approved group II journal indexed in SCOPUS, ISSN: 1869:9391 4. PriyankaDindodia, "Movie Recommendation System using Collaborative Filtering and Deep Learning: a hybrid Approach, GIS Science Journal, An UGC approved group II journal indexed in SCOPUS, ISSN: 1869:9391
3.	Dr. Manvi	1. A car recommendation system based on collaborative filtering and ontology techniques, GIS SCIENCE JOURNAL,Volume 7, Issue 6, June 2020, ISSN NO : 1869-9391 (UGC Approved)

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1.	Dr. ShilpaSethi	1. Optimization of CNN and LSTM for Plant Disease Classification Prediction, International Conference on Rebuilding Bharat with Artifical Intelligence Innovations and COVID-19: Pandemic: Opportunity and Challenges, A2ICP:2020, May,2020 2. Various CNN Models, International Conference on Rebuilding Bharat with Artifical Intelligence Innovations and COVID-19: Pandemic : Opportunity and Challenges, A2ICP:2020, May,2020
2.	Dr. MamtaKathuria	1. 1.Anjali, "Customer Segmentation using machine learning", 1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic : Opportunity and Challenges on May 03, 2020 2. Bhawna, "Stock prediction using machine learning" in 1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic : Opportunity and Challenges on May 03,

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WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1.	STTP	Graphics & Animation for Instructional Material Development	11 Feb, 2019 to 15 Feb, 2019
2.	Workshop	8 days workshop on "Data Analytics" by Dept. of Computer Engineering sponsored by TEQIP-III, JCBUST, YMCA	18 Oct, 2019 to 25 Oct, 2019
3.	FDP	"Data Analytics using R" by Dept. of Computer Engineering sponsored by TEQIP-III, JCBUST, YMCA	11 July, 2020 to 15 July, 2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED(Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date From	To
1	Dr. ShilpaSethi	Research in Modern Era	Department of Mechanical Engineering, JCBUST, YMCA, Faridabad	01 June, 2020	05 June, 2020
		Data Analytics using R	Department of Computer Engineering and Department of Computer Applications, JCBUST, YMCA, Faridabad	11 July, 2020	15 July, 2020

2	Dr. MamtaKathuria	Workshop on NPTEL	NPTEL IIT, Madras and JCBUST, YMCA	31 Jan, 2020	31 Jan, 2020
		STTP on Graphics & Animation for Instructional Material Development	computer Applications department and NITTTR	11 Feb, 2019	15 Feb, 2019
		FDP on Research in Modern Era	Mechanical Engineering Department, JCBUST, YMCA	01 June, 2020	05 June, 2020
		"Data Analytics using R"	Dept. of Computer Engineering sponsored by TEQIP-III, JCBUST, YMCA	11 July, 2020	15 July, 2020
3	Dr. Manvi	Communication Skills	JC Bose University of Science& Technology	01 July, 2019	05 July, 2019
		Internet of Things	JC Bose University of Science& Technology	20 Sep, 2019	21 Sep, 2019
		NPTEL	JC Bose University of Science& Technology	31 Jan, 2020	31 Jan, 2020
		PYTHON	GAUTAM BUDDHA UNIVERSITY, GREATER NOIDA, UTTAR PRADESH	02 Feb, 2020	02 Feb, 2020
		Digital Transformation in Teaching Learning Process	Online by IIT bombay by SWAYAM portal	06 Apr, 2020	22 Apr, 2020

		Covid 19 &Beyond:The new normal in HEIs	Online, JC Bose University of Science& Technology	10 June, 2020	10 June, 2020
4	Dr. Vedpal	Data Analytics Using R	Department of Computer engineering and Department of computer Application	11 July, 2020	15 July, 2020
		Digital Transformation in Teaching Learning Process	TEQIP, IIT Bombay	06 Apr, 2020	22 Apr, 2020

INVITED TALKS/LECTURES DELIVERED(Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic of delivery	Venue	Date
1.	Dr. MamtaKathuria	Scholarhips offered by various countries for Indian Students.	International Affairs Cell, JCBUST, Faridabad	20 Jan, 2020

TRAINING PROGRAMMES HELD FOR FACULTY AND STAFF

Date	Name of Activity	Number of Participants
18/10/2019	FDP	100

DEPARTMENT OF
CIVIL ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

The department of Civil Engineering has a distinguished record in both teaching and research. It has modern facilities and dedicated technical and office staff to support the academic programs and research. The Department also sponsors its faculty for Short Term Courses and Conferences on regular basis.

DEPARTMENT PROFILE

UG Course: **B. Tech. (Civil Engineering)**

Total Number of Faculty: **03**

Chairperson: **Dr. M. L. Aggarwal**

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1.	Lab	02
2.	Lecture Halls	02
3.	Drawing Hall	01
4.	Projector Rooms	01
5.	Faculty Room	02

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Yogesh Kumar Morya	Assistant Professor	M.Tech. (2018)	Highway Safety and Engineering	2 Years
2	Dr. Vishal Puri	Assistant Professor	Ph.D(2019)	Structural Engineering	2 Years
3	Dr. Rajni Saggu	Assistant Professor	Ph.D	Geotechnical Engineering	15 Years

DEPARTMENTAL PUBLICATIONS & FDP/STC(Academic year 2019-2020)

Sr. No.	Particulars	Count (2019-20)
1	Publications in International Journals	1
2	STC/FDP	6

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1.	Dr. Rajni Saggu	Implications of Thermal Cyclic Loading on Pile Group Behaviour, Journal of Geotechnical and Geoenvironmental Engineering (SCI), Vol. 146, Issue 11; doi.org/10.1061/(ASCE)GT.1943-5606.0002363.

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1	One week TEQIP-III Twinning Workshop	Trends & Advances in GIS and Surveying in Civil Engineering	13-17Jan,2020
2	One day Workshop	Curriculum Workshop	21 June,2020
3	One day TEQIP-III Workshop	BIS Guidelines for Construction	13 Feb, 2020
4	One Week STC TEQIP-III Online course	Technological Industrial Practices	1-6 June,2020
5	Five days Workshop sponsored by TEQIP-III	TEQIP Workshop on "CAD : Specialized Softwares "	22-26 July,2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED(Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
1	Yogesh Kumar Morya	International Faculty Development Program	Deenbandhu Chhotu Ram University of Science and Technolgy, Murthal, Haryana	14 Feb,2020	17 Feb,2020
2	Yogesh Kumar Morya	Safety Management in Construction	IIT Delhi (TEQIP-III)	9 Mar,2020	13Mar,2020
3	Yogesh Kumar Morya	BIS Guidelines for Construction	JCBoseUST, YMCA, Faridabad (TEQIP-III)	13Feb,2020	13Feb,2020

4	Yogesh Kumar Morya	Digital Transformation in Teaching Learning Process	IIT Bombay (Swayam Course)	06 Apr,2020	22Apr,2020
5	Dr. Vishal Puri	Safety Management in Construction	IIT Delhi (TEQIP-III)	9 Mar ,2020	13Mar,2020
6	Dr. Vishal Puri	BIS Guidelines for Construction	JCBoseUST, YMCA, Faridabad (TEQIP-III)	13 Feb,2020	13Feb,2020
7	Dr. Vishal Puri	Executive Education Programme on Creating High Performance Organizations	IIM Bangalore	24 Feb,2020	28 Feb,2020
8	Dr. Vishal Puri	STC on Green Energy Technologies	NIT Kurkshetra	11 June,2020	20 June,2020

TRAINING PROGRAMMES HELD FOR STUDENTS

Date	Name of Activity	Number of Participants
16.1.2020	Surveying Camp	60

TRAINING PROGRAMMES HELD FOR FACULTY AND STAFF

Date	Name of Activity	Number of Participants
August 5,2020	Training by AIMIL Ltd. on CTM	3
1-6 June 2020	Six Days Online TEQIP-III Twinning online Faculty Development Program on "Technological Industrial Practices"	68

SPONSORED R&D PROJECTS IN-HAND

Sr.No.	Name of Principal Investigator	Title of Research Project	Funding Agency	Duration	Year of Allotment	Amount (Rs.)
1	Dr. Rajni Saggu	Energy Efficiency in Green Buildings using Geothermal Pile for Cooling	Department of Science and Technology (DST), Govt. of India	3 yr	2017	26.34 Lakh
2	Dr. Rajni Saggu	Load Transfer Mechanism of Geothermal Energy Pile Groups in Sand	Council of Scientific and Industrial Research (CSIR-HRDG), Govt. of India	3 yr	2017	19.32 Lakh

CONSULTANCY PROJECTS IN-HAND

Sr. No.	Name of Principal Consultant	Name of the Project	Funding Agency	Duration	Year of Allotment	Amount (Rs.)
1.	1.Dr M.L. AGGARWAL 2.Dr. Vishal Puri 3.Sh. Yogesh Kumar Morya	Compresion Testing of Materials	Panchayati Raj Gurgaon	1 year	2019	**1.44 lakh**

AWARDS/PRIZES WON STUDENTS/FACULTY DURING THE YEAR

Sr. No.	Title of the Award	Name of the Awardee	Awarding Agency	National/ International
1	National Student Seminar: "Skill India Build India"	Satyam kumar (Student)	Shri Vishwakarma Skill University	11 April 2020

OUTSTANDING ACHIEVEMENTS 2019-2020

MoUs signed with industries during the year 2019-20			
Organisation	**Date of MoU signed**	**Purpose**	**Number of students/teachers participated under MoUs**
Janak Positioning and Suveying Equipments P Ltd Delhi	16 Jan,2020	Students Employment and Training.	**112**

DEPARTMENT OF

CHEMISTRY

DEPARTMENT OF CHEMISTRY

The department of Chemistry has a distinguished record in both teaching and research. It has modern facilities and a dedicated technical and office staff to support the academic programs and research.

DEPARTMENT PROFILE

UG Course: **BSc(Hons) Chemistry**

PG Course: **MSc (Chemistry)**

Ph.D.:   **Chemistry**

Target Students: **67+67**

Total Number of Faculty:

10 (1 Associate Professor + 9 Assistant Professor(including 4   contractual faculty)

Number of Ph.D.'s: **02**

Average Experience of faculty:

Chairperson: **Dr. Ravi Kumar**

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	4
2	Workshops	-
3	Lecture Halls	
4	Conference Room	
5	Seminar Halls/Projector Rooms/Research Lab	
6	Internet Connection	wifi campus
7	Any Other Facility	

The Department also sponsors its faculty for Short Term Courses and Conferences on regular basis

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1.	Dr. Ravi Kumar	Associate Professor	PhD (2005)	Organic synthesis and Medicinal Chemistry	16
2.	Dr. BinduMangla	Asst Prof	PhD (2018)	Material chemistry and atmospheric chemistry	13
3.	Dr. Sitaram	Asst Prof	PhD (2016)	Synthetic and medicinal chemistry	06
4.	Dr. ShilpaBehl	Asst Prof	PhD (2002)	Coordination chemistry	15
5.	Dr. VishwasKhurana	Asst Prof	PhD (2006)	synthetic organic chemistry	14
6.	Dr. Nobel Tomar	Asst Prof	PhD (2011)	Transition Metal Oxides	06
7.	Dr. Heena Gupta	Asst Prof	PhD (2018)	Thermodynamics	08
8.	Dr.Vinod Kumar	Assistant Professor	PhD (2013)	Optical Spectroscopy within Ionic Liquid based Media	07
9.	Dr.Anurag	Assistant Professor	PhD (2014)	Physical/Theoretical and Materials Chemistry	06
10.	Ms.Pooja	Asst Prof	MSc(2018) PhD pursuing	Biochemistry	-

DEPARTMENTAL PUBLICATIONS & FDP/STC(Academic year 2019-2020)

Sr. No.	Particulars	Count (2018-19)
1	Publications in International Journals	4
2	Publications in National Journals	
3	Publications in International Conference	4
4	Publications in National conferences	2
5	STC/FDP	33

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1.	Dr.Sita Ram	Chitosan embedded with Ag/Au nanoparticles: investigation of their structural, optical and sensing properties, Journal of Polymer Research, DOI : 10.1007/s10965-020-02233-y
2.	Dr. Nobel	Dendrimers as Nanocarriers in Cancer Chemotherapy Nobel Tomar, International Journal of Chemical and Molecular Engineering, Vol 5, Issue 2, 14-32, 2019
3.	Dr.Heena Gupta	Excess molar volumes and excess isentropic Compressibilities of ternary [Bmim][BF 4]-[Emim][BF 4]-Cyclopentanone or cyclohexanone mixtures at various temperatures $t =$ (293.15–308.15) K, Chemical data collection, Volume 28 (article in press), June 2020

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1.	Dr.VishwasKhurana	1. Khurana, V., "Turmeric: an Indian golden spice". National Conference on Role of MeghnadSahaIn Growth of Physics. J C Bose University of Science and Technology, YMCA, Faridabad. 26 July, 2019. 2. VishwasKhurana. 3-Cinnamoyl-4-hydroxy-6-methyl-2H-pyran-2-ones: Precursors of synthetically important compounds. 8th International Symposium on Fusion of Science & Technology (ISFT 2020) at J C Bose University of Science and Technology, YMCA, Faridabad, Haryana on 6th -10th January, 2020. 3. VishwasKhurana. Biological potential of DHA chalcone metal complexes. A Review. 1st International Conference of Indian Science Congress Association- Rohtak chapter on Science & Technology on Rural Development (ICSTRD-2020) at Department of Chemistry, M. D. University, Rohtak on March 4-5, 2020.

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1	**One Week Online FDP**	**"Spectroscopic and Analytical Techniques: Applications"**	**25 May,2020- 29 May,2020**
2	National Seminar		24 Oct, 2019
3	Diwali celebration		25 Oct, 2019

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED(Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date From	Date To
1	Dr.Ravi Kumar	Two week course on "Digital Transformation in Teaching Learning Process"	TEQIP, NPIU and IIT Bombay.	06 Apr,2020	22 Apr,2020
2	Dr.Vinod Kumar	Participated and completed One Week Online Faculty Development Programme on "Climbing the Ladder of Education System Through Innovation & E-Learning Tools"	Information Technology Department, Sir Visvesvaraya Institute of Technology. Nasik, Maharashtra, India.	04 May, 2020	09 May,2020
3	Dr.Vinod Kumar	Participated in Faculty Development Programme: National Webinar entitled " Challenges and	Guru AngadDev, Teaching learning Centre SGTB Khalsa College University of	02 May, 2020	02 May, 2020

		Opportunities before Indian Higher Education due to Covid-19" Two week course on "Digital Transformation in Teaching Learning Process"	Delhi,under PanditMadan Mohan Malaviya National Misson on Teachers and Teaching (PMMMNMTT) TEQIP, NPIU and IIT Bombay.	06 Apr, 2020	22 Apr,2020
4	Dr.Vinod Kumar	Faculty Development Programme: National Webinar entitled " Development of Higher Education in India : An Overview"	Guru AngadDev, Teaching learning Centre SGTB Khalsa College University of Delhi,under PanditMadan Mohan Malaviya National Misson on Teachers and Teaching (PMMMNMTT)	16 Apr, 2020	16 Apr, 2020
5	Dr.Vinod Kumar				
6	Dr.Sita Ram	Basic Computer Skills and ICT Tools "Google Classroom"	Department of Electrical Engineering, JCBOSEUST, YMCA FARIDABAD	10 July, 2020	14 July, 2020
7	Dr.Sita Ram	Two week course on "Digital Transformation in Teaching Learning Process"	Indian Institute of Technology, Bonbay	06 Apr, 2020	22 Apr, 2020
8	Dr.Sita Ram	Three week orientation course on "Country: Vision, Direction and Development"	CPDHE (UGC-HRDC), University of Delhi	03 Jan, 2020	23 Jan, .2020
9	Dr BinduMan gla	'Recent Trends in Advanced Chemistry (E-FDP-RTAC2020)'	University of Petroleum and Energy Studies, Dehradun, India	8 June, 2020	13 June, 2020

20	Dr.ShilpaB ehl	Faculty Development Programme on Innovative Teaching Methodologies in Technical Education.	Department of Management Studies, J C Bose University of Science and Technology, YMCA, Faridabad.	24 Sep, 2019	28 Sep, 2019.
21	Dr.ShilpaB ehl	Short Term Course on Communication Skills.	National institute of Technical Teachers Training and Research Chandigarh (Ministry of Human Resource Development, Government of India) Curriculum Development Centre. J C Bose University of Science and Technology, YMCA, Faridabad.	1 July,2019	5 July,2019
	Dr.ShilpaB ehl	National Seminar cum Workshop on e-content, MOOCs (Swayam) & ARPIT.	AICTE & GAD-TLC of MHRD at SGTB Khalsa College, University of Delhi.	31 Aug,2019	31 Aug,2019
		Workshop on Outcome Based Education and Attainment.	J C Bose University of Science and Technology, YMCA, Faridabad.	6 Dec,2019	6 Dec, 2019
	Dr.ShilpaB ehl	Seminar on International Year of Periodic Table (IYPT-2019) and Foundation Day of VIBHA	J C Bose University of Science and Technology, YMCA, Faridabad.	24 Oct,2019	24 Oct,2019
	Dr.ShilpaB ehl	Two week course on "Digital Transformation in Teaching Learning Process"	TEQIP, NPIU and IIT Bombay	06 Apr,2020	22 Apr,2020
22	Dr.ShilpaB ehl		Department of		

23		Faculty Development Programme on "Spectroscopic and Analytical Techniques"	Chemistry, J C Bose University of Science & Technology, YMCA, Faridabad and Guru AngadDev TLC, Khalsa College, New Delhi.	25 May,2020	29 May,2020
		International Webinar on "Science and Engineering for Nature Conservation" on World Environment Day	Department of EVS, J C Bose University of Science & Technology, YMCA, Faridabad.	5 June, 2020	5 June,2020
		International webinar on "Production of Radionuclides and their Applications in Medical Imaging Therapy"	Department of Chemistry, Chaudhary BansiLal University, Bhiwani	10 June, 2020	10 June, 2020
24	Dr. Nobel Tomar	Spectroscopic and Analytical Techniques: Applications	Department of Chemistry J.C. Bose Univ.	25 May, 2020	29 May, 2020
25	Dr. Nobel Tomar	Research and development in composite materials (RDCM 2020)	Department of Mechanical Engineering and Department of Physics	27 July, 2020	31 July,2020
26	Dr.Heena Gupta	Digital transformation in teaching learning process	IIT, Bombay	6 Apr,2020	22 Apr ,2020
27	Dr.Heena Gupta	Spectroscopic and Analytical Techniques: Applications	Department of Chemistry J.C. Bose Univ.	25 May,2020	29 May ,2020
28	Dr Anurag Prakash	Spectroscopic and Analytical Techniques: Applications	Department of Chemistry J.C. Bose Univ.	25 May ,2020	29 May ,2020
29	Dr Anurag Prakash	Digital transformation in teaching learning process	IIT, Bombay	6 Apr ,2020	22 Apr ,2020

INVITED TALKS/LECTURES DELIVERED(Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic of delivery	Venue	Date
1.	Dr.Vinod Kumar	Invited talk on "Spectroscopic investigations within Ionic Liquid based Media".	One Week International Faculty Development Programme entitled "Advanced Topics in Chemical Sciences" organized by Post Graduate Department of Chemistry, NallamuthuGounderMahalingam College, Pollachi.Coimbatore-Dist, Tamil Nadu, India,	18 July, 2020
2.	Dr. Nobel Tomar	Dye Sensitized Solar Cells	Auditorium, J.C. Bose University of Science and Technology, faridabad	26 July, 2019

FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS etc.

Sr. No.	Name of Faculty	Details
1	Dr. Nobel Tomar , Editorial Board member	International Journal of Analytical and Applied Chemistry, Journals Pub International Journal of Chemical Synthesis and Chemical Reactions, Journals Pub

DEPARTMENT OF

PHYSICS

DEPARTMENT OF PHYSICS

The department of Physics has a distinguished record in both teaching and research. It has modern facilities and a dedicated technical and office staff to support the academic programs and research.

DEPARTMENT PROFILE

UG Course: **B. Sc Physics (Hons.)**

PG Course: **M. Sc. (Physics)**

Ph.D. :   **Physics**

Target Students: **350**

Total Number of Faculty:12 (9 Regular + 3 Contractual)

Number of Ph.D.'s: **09**

Average experience of faculty: **Approx. 10 Years**

Chairperson: Dr. Anuradha Sharma

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	4
2	Lecture Halls	1
3	Seminar Halls/Projector Rooms/Research Lab	1

The Department also sponsors its faculty for Faculty Development Programmes, Short Term Courses and Conferences on regular basis. Various value added courses and training programmes/short term courses/expert lectures/panel discussions have been successfully conducted by the department during this academic session. Also, Dr. Arun Kumar, Dr. Parmod Kumar and Dr. Yogita have joined the department as Assistant Professor in February 2020.Along with PhD students, Department also promotes students from UG and PG courses to undertake micro research projects and experience a research conducting touch in their academics. The students are also encouraged to visit nearby prestigious Universities, research centers, technical and skill institutes to acquaint them with available research facilities/techniques/methodology to upgrade their knowledge.

Department also conducts extra classes for special students to boost up in their academics and future.

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Dr. Anuradha Sharma	Associate Professor & Chairperson	Ph.D, 2000	Microwaves, Material Science	17
2	Dr. Sonia	Associate Professor	Ph.D, 2004	Nanotechnology	18
3	Dr. Maneesha Garg	Associate Professor	Ph.D, 2002	Radiation Physics	16
4	Dr. Manikant Yadav	Assistant Professor	Ph.D, 2007	Plasma Physics	10
5	Dr. Parveen Kumar	Assistant Professor	Ph.D, 2012	Material Science	09
6	Dr. Arun Kumar	Assistant Professor	Ph.D, 2018	Computational Physics	07
7	Mr. Ompal Singh	Assistant Professor	M. Sc. (2012), NET,	Material Science	02
8	Dr. Parmod Kumar	Assistant Professor	Ph.D, 2015	Advanced Functional/Smart Materials	06
9	Dr. Yogita Batra	Assistant Professor	Ph.D, 2008	Condensed Matter Physics	12
10	Dr. Kaushal Kumar (On contract)	Assistant Professor	Ph.D, 2016	Material Science	03
11	Ms. Arti (On contract)	Assistant Professor	M.Sc. (2008), NET	Electronics	04
12	Ms. Shweta (On contract)	Assistant Professor	M.Sc. (2009), NET	Solid State Physics	11

DEPARTMENTAL PUBLICATIONS & FDP/STC(Academic year 2019-2020)

Sr. No.	Particulars	Count (2019-20)
1	Publications in International Journals	13
2	Publications in National Journals	--
3	Publications in International Conference	--
4	Publications in National conferences	02
5	STC/FDP	94

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1.	Dr. Anuradha Sharma	1. Optically Induced Ferromagnetism in III-V Dilute MagneticSemiconductorsIntegrated Ferroelectrics, 203 (2019) 67-73 2. Assimilation of Yb defect states in ZnO: Structural, Optical and Magnetic investigations,Vacuum 179 (2020) 109522
2.	Dr. Sonia	1. Broad Inhibition of Transmission Frequency in Multilayered Dielectric One Dimensional Photonic Crystal Nanostructure, International Journal of Science and Engineering 13 (2019) 7-11
3.	Dr. Manikant Yadav	1. The nonlinear wave in semiconductor quantum plasma for laser beam in a self -consistent plasma channel. Physics Letter A,261 (2019) 1-7 2. Propagation Characteristics of nonlinear low frequency Electrostatics modes in quantum plasma, International Journal on Technical and Physical Problems of Engineering, 1 (2019) 16-21. 3. Variations of ion density and temperature as measured by ROCSAT-1 Satellite over the Indian region and comparison with IRI -2016 MODEL.Annals of Geophysics,62 (2019) 1-11
4.	Dr. Parveen Kumar	1. Effect of Ammonia Based Deprotonation on the Variable Range Hopping Conduction in Polypyrrole Nanotubes" Solid State Sciences, 99, 2020 105984. 2. Efficient UV photodetectors based on Ni-doped ZnS nanoparticles prepared by facial chemical reduction method" Physica B: Condensed Matter, PhysicaB 575 (2019) 411690.

5.	Dr. Parmod Kumar	1. MgO Nanostructures at Different Annealing Temperatures for d^0 Ferromagnetism, Vacuum 179 (2020) 109539.
		2. Hierarchical Magnesium Oxide Anchored Cerium Oxide Nanocomposites for Improvement in Magnetic Properties and Photocatalytic Performance, Nanotechnology 31 (2020) 374004.
		3. Oxygen-deficient Lanthanum Doped Cerium Oxide Nanoparticles for Potential Applications in Spintronics and Photocatalysis, Vacuum, 177 (2020) 109395.
		4. Zn doped α-Fe2O3: An Efficient Material for UV Driven Photocatalysis and Electrical Conductivity, Crystals 10 (2020) 273.
6.	Dr. Kaushal Kumar	1. UDM processed superior acrylic resin based ZrO_2 nanoparticle reinforced composite for dental application. Materials Research Express Volume, 6 (2019) 105404

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1.	Dr. Manisha Garg	1. Radiological impact of radon and thoron levels in dwellings measured using solid state nuclear track detectors, AIP Conference Proceedings, 2142, 120002, 1-6 (2019)
		2. Radiological Impact of Radon/Thoron on Public: A Time-Integrated Indoor Investigation, AIP Conference Proceedings, (2019) 46-47

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1.	STC	Research and Development in Composite Materials RDCM-2020)	27/07/2020 to 31/07/2020
2.	Webinar	Energetic ion beams in research and for societal benefits by Prof. Dinakar Kanjilal of IUAC, New Delhi	24/06/2020
3.	Webinar	Nuclear Physics-History, Recent Developments and the Future by Prof. A.K. Jain of IIT, Roorkee	19/06/2020
4.	Invited Talk	Experimental Nuclear Physics By Dr. Pushpendra Pal Singh of IIT Ropar	07/02/2020
5.	Industrial visit	Visit to IUAC, New Delhi	13/02/2020
6.	NPL visit	Visit to National Physical Laboratory, New Delhi	26/09/2020
7.	Vigyan Samagam	Visit to National Science museum, New Delhi	14/02/2020
8.	Value Added course-Hand-on training workshop	Thin Film Deposition Techniques-2020	17/02/2020 to 20/02/2020
9.	Induction Programme	One week-long 'Induction Programme' for its newly admitted students of undergraduate programmes of Science, Management, Computers and Arts streams at JCBUST, YMCA, Faridabad.	17/07/2020 to 23/07/2020
10.	Jal Shakti Abhiyan	With a view to promote 'Jal Shakti Abhiyan', a mission-mode water conservation campaign by Government of India, NSS Unit of JCBUST, YMCA, Faridabadorganised a declamation and quiz contest	27/08/2019
11.	Induction Program-21	21 days Induction Program-19 for Newly admitted B.Tech. Students at JCBUST, YMCA, Faridabad.	17/08/2019 to 08/09/2019

12.	Health check-up camp	Health check-up camp for screening of anemia and skin diseases for girl students 9 at JCBUST, YMCA, Faridabadin collaboration with Bharat Vikas Parishad (BVP), Faridabad and Viashya Samanvya Samiti (VSS) Faridabad.	20/11/2019
13.	Vidyarthi Vigyan Manthan (VVM)	State Level Camp under Vidyarthi Vigyan Manthan (VVM), a nationwide science talent search multi-level exam, and conducted National Youth Day on the occasion of birth anniversary of Swami Vivekanand atJCBUST, YMCA, Faridabad.	12/01/2020
14.	Online Expert lecture	Dreams and Achieve by Ms. Sonal Goel, IAS 2008 Batch.	27/05/2020
15.	Webinar on 'Gender Myths and Students. Leadership Challenges: Post COVID-19 Lockdown for Girls.	Gender Myths and Students. Leadership Challenges	28/06/2020
16.	Quiz competition	Physics Quiz by Pragayanam Society, Department of Physics, JCBUST	11/08/2020 to 12/08/2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED(Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	**To**
1	Dr. Anuradha Sharma	Research in Modern era	Department of Mechanical Engg., JCBUST, YMCA, Faridabad	1/6/2020	5/6/2020
2	Dr. Anuradha Sharma	Analytical and Spectroscopic Techniques	Department of Chemistry, JCBUST, YMCA, Faridabad	25/5/2020	29/5/2020
3	Dr. Anuradha Sharma	Green Energy Technologies for Sustainable development	Department of Electrical Engg. , NIT Kurukshetra	10/6/22020	20/6/2020
4	Dr. Anuradha Sharma	Green Technology	Department of Electrical Engg., JCBUST, YMCA, Faridabad	18/07/2020	20/07/2020

5	Dr.M.K.Yadav	Professional development training program for faculty & administration of project institution (TEQIP III)	IIM Vishakhapatnam	09/12/2019	13/12/2019
6	Dr.M.K.Yadav	Outcome Based Education and Attainment	J C Bose University of Science and Technology, YMCA, Faridabad	06/12/2020	06/12/2020
7	Dr.M.K.Yadav	2-Day workshop on "Writing Good Research Publications & Use of e-resources Effectively"	J C Bose University of Science and Technology, YMCA, Faridabad	17/01/2020	20/01/2020
8	Dr.M.K.Yadav	Thin Film Deposition Technique TFDT - 2020	J C Bose University of Science and Technology, YMCA, Faridabad	17/02/2020	20/02/2020
9	Dr.M.K.Yadav	Emerging trends in data science and its applications.	J C Bose University of Science and Technology, YMCA, Faridabad	11/11/2019	15/11/2019
10	Dr.M.K.Yadav	International level one week online staff development program.	AISSMS college of Engg., Pune	03/07/2020	09/07/2020
11	Dr.M.K.Yadav	Workshop on optimum approaches towards IOT system design.	SDIET,Faridabad	22/06/2020	25/06/2020
12	Dr.M.K.Yadav	FDP on energy conservation and renewable energy.	IGNOU New Delhi	08/06/2020	12/06/2020
13	Dr.M.K.Yadav	The connection future built together exclusive alumni interaction session.	SRM Ghaziabad	04/07/2020	4/7/2020
14	Dr.M.K.Yadav	One week Faculty Development program "Research and Development in Composite Materials (RDCM-2020)".	J C Bose University of Science and Technology, YMCA, Faridabad	27/07/2020	31/07/2020
15	Dr.M.K.Yadav	Green Technology	J C Bose University of Science and Technology, YMCA, Faridabad	18/07/2020	20/07/2020

16	Dr.M.K.Yadav	Google Classroom	J C Bose University of Science and Technology, YMCA, Faridabad	10/07/2020	14/07/2020
17	Dr.M.K.Yadav	Outcome Based Teaching	IE India Kolkata	-	05/07/2020
18	Dr.M.K.Yadav	Effective and efficient writing of research papers for web of science …..	AISSMS COE Pune	-	01/07/2020
19	Dr.M.K.Yadav	Digital Electronics	SRKIT Vijayawada	-	01/07/2020
20	Dr.M.K.Yadav	FDP National 20	LLRCCEU Mumbai	30/04/2020	02/05/2020
21	Dr.M.K.Yadav	Webinar Digital Learning	ELCTS Technomedia DL	-	26/06/2020
22	Dr.M.K.Yadav	Webinar Digital Learning	ELCTS Technomedia DL	-	24/07/2020
23	Dr.M.K.Yadav	Webinar Digital Learning	ELCTS Technomedia UP	-	31/07/2020
24	Dr.M.K.Yadav	International Symposium	J C Bose University of Science and Technology, YMCA, Faridabad	-	10/06/2020
25	Dr.M.K.Yadav	Energetic Ion Beam	J C Bose University of Science and Technology, YMCA, Faridabad	-	24/06/2020
26	Dr.M.K.Yadav	Global HR Conclave	J C Bose University of Science and Technology, YMCA, Faridabad	11/07/2020	12/07/2020
27	Dr.M.K.Yadav	Webinar on science & technology for sustainable development in current scenario	BPSMVKK Sonipat	-	03/07/2020
28	Dr.M.K.Yadav	Webinar on role of curriculum design and development in quality education .	AISSMS Pune Kolkata	-	12/07/2020

29	Dr.M.K.Yadav	Webinar on improving quality through research support services	J C Bose University of Science and Technology, YMCA, Faridabad	-	31/07/2020
30	Dr.M.K.Yadav	Webinar on nuclear physics history recent development and future	J C Bose University of Science and Technology, YMCA, Faridabad	-	19/06/2020
31	Dr.M.K.Yadav	NPTEL workshop	J C Bose University of Science and Technology, YMCA, Faridabad	-	31/01/2020
32	Dr.M.K.Yadav	NEP challenges and opportunities for weaker section	Ambedkar Professor AssociationofHaryana	-	27/09/2020
33	Ms Aarti	Organic Electronic Device Fabrication: From Basic to Practice	BML Munjal University	9/11/2019	9/11/2019
34	Ms Aarti	Research Methodology for Physical Sciences and Engineering	MDU Rohtak	11/05/2020	17/05/2020
35	Ms Aarti	Spectroscopic and Analytical Techniques: Applications	JC Bose UST,YMCA and Shri Guru TeghBahadur Khalsa College	25/05/2020	29/05/2020
36	Ms Aarti	Synthesis and Characterization of Smart Materials and their Potential Applications	Guru Gobind Singh Indraprastha University	14/06/2020	17/06/2020
37	Dr. Yogita	Thin film Deposition Techniques (TFDT-2020)	Department of Physics, JCBUST, YMCA, Faridabad	19.2.2020	20.2.2020
38	Dr. Yogita	Three days' STC on CBCS	Department of Electronics Engineering, JCBUST, YMCA, Faridabad and NITTTR Chandigarh	11.3.2020	13.3.2020

39	Dr. Yogita	Two week's course on "Digital transformations in teaching learning Process"	Offered by IIT Bombay and organized by NPIU	6.4.2020	22.4.2020
40	Dr. Yogita	One week Faculty Development program on "Spectroscopic and Analytical Techniques: Applications".	Jointly organized by GADTLC and JCBUST, YMCA	25.5.2020	29.5.2020
41	Dr. Yogita	One week Faculty Development program on "Technological Industrial practices".	Organized by Department of Mechanical Engineering and Civil Engineering, JCBUST, YMCA	1.6.2020	6.6.2020
42	Dr. Yogita	One week Faculty Development program "Research and Development in Composite Materials (RDCM-2020)".	Organized by Department of Physics, JCBUST, YMCA	27.7.2020	31.7.2020
43	Dr. Yogita	International Symposium on "COVID 19 and beyond: The new normal in HEI's"	Organized by IQAC, JCBUST, YMCA	10.6.2020	10.6.2020
44	Dr. Kaushal Kumar	Online short term course (STC) on Advances in Materials Manufacturing Processes and Properties (AMMPP 2020)	Department of Metallurgical and Materials Engineering, Malaviya National Institute of Technology (MNIT) Jaipur.	July 6, 2020	July 10, 2020
45	Dr. Kaushal Kumar	Science Leadership Workshop (India's first science leadership Program)	Central university of Punjab, Bathinda, India from. science leaders.	June 22, 2020	June 28, 2020
46	Dr. Kaushal Kumar	FDP on Research and Development in Materials Behaviour, Processing and Characterization Techniques	Department of Mechanical Engineering GLA University, Mathura in association with Indian Institute of Metals (IIM) Mathura Chapter and Panjab University, Chandigarh.	June 9, 2020	June 14, 2020

47	Dr. Kaushal Kumar	FDP on Spectroscopic and Analytical Techniques: Applications	Department of Chemistry, J.C. Bose University of Science and Technology YMCA Faridabad and Guru Angad Dev Teaching Learning Centre, Shri Guru Tegh Bahadur Khalsa College (University of Delhi)	May 25, 2020	May 29, 2020
48	Dr. Kaushal Kumar	STC on Digital Transformation in Teaching Learning Process	IIT Bombay in collaboration with NPIU, TEQIP-3.	April 6, 2020	April 22, 2020
49	Dr. Parmod Kumar	One Week Online Faculty Development Program on Advance Research Methods	Department of Management Studies, J C Bose University of Science and Technology, YMCA, Faridabad	8 June 2020	12 June 2020
50	Dr. Parmod Kumar	One Week Faculty Development Program on Spectroscopic and Analytical Techniques: Applications	Department of Chemistry, J C Bose University of Science and Technology, YMCA, Faridabad in collaboration with Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi.	25 May 2020,	29 May 2020
51	Dr. Parmod Kumar	One day Online Faculty Development Program on Intellectual Property Rights	SA Jain P G College Ambala, Haryana.	19 May 2020	19 May 2020
52	Dr. Parmod Kumar	Online MOOC Course Digital Transformation in Teaching Learning Process	IIT Bombay	06 April 2020	22 April 2020
53	Dr. Parmod Kumar	Short Term Course on Choice Based Credit System	JCBUST, YMCA, Faridabad	11 March 2020	13 March 2020
54	Ms. Shweta	Hands on 1- Day workshop on organic electronic device fabrication: from basics to practice.	Centre for Advanced Materials and Devices , BML University, Gurgaon, Haryana	9 November 2019	9 November 2019

55	Ms. Shweta	One day workshop on "Outcome based education and attainment".	J.C Bose University of science and technology, YMCA Faridabad.	6 December 2019	6 December 2019
56	Ms. Shweta	4-Day workshop on "Thin Film Deposition Techniques (TFDT 2020) .	Department of Physics, J.C Bose University of Science and Technology, YMCA Faridabad	17 February 2020	20 February 2020
57	Ms. Shweta	2-Day workshop on "Writing Good Research Publications & Use of e-resources Effectively"	Pt. DeenDayal Upadhyay Central Library in collaboration with Digital India Cell of J.C Bose University of Science and Technology, YMCA Faridabad	17 January 2020	20 January 2020
58	Ms. Shweta	Webinar on "Nuclear Physics - History, Recent development and the future"	J.C Bose University of Science and Technology, YMCA Faridabad	27 July 2020	31 July 2020
59	Ms. Shweta	One week online International Faculty Development Program on Research and Development in Materials Behaviour, Processing and Characterization Techniques	Department of Mechanical Engineering, GLA University, Mathura in association with The Indian Institute of Metals (IIM), Mathura Chapter and Panjab University, Chandigarh	09 June 2020	14 June 2020
60	Dr. Arun Kumar	International Conference on Current Trends in Materials Science and Engineering (CTMSE 2019)	S. N. Bose National Centre for Basic Sciences, Kolkata	18-07-2019	20-07-2019
61	Dr. Arun Kumar	International Conference on Fusion of Science and Technology (ISFT-2020)	J.C. Bose University of Science and Technology, YMCA	06-01-2020	10-01-2020

62	Dr. Arun Kumar	Five- Day TEQIP-III Twinning Workshop on Trends and Advances in GIS and Surveying in Civil Engineering (TAGSCE-2020)	Department of Civil Engineering, J.C. Bose University of Science and Technology, YMCA	13-01-2020	17-01-2020
63	Dr. Arun Kumar	Basics To Advances In Structural Equation Modelling	IIM Kozhikode, Kochi Campus, Kerala	17-02-2020	21-02-2020
64	Dr. Arun Kumar	Digital Transformation in Teaching Learning Process	IIT Bombay	06-04-2020	22-04-2020
65	Dr. Arun Kumar	Research in Modern Era	Department of Mechanical Engineering, J.C. Bose University of Science and Technology, YMCA	01-06-2020	05-06-2020
66	Dr. Arun Kumar	Research and Development in Materials Behavior, Processing and Characterization Techniques	GLA University, Mathura in association with Indian Institute of Metals and Punjab University	09-06-2020	14-06-2020
67	Dr. Arun Kumar	Science Leadership Workshop	Central University of Punjab, Bathinda	22-06-2020	28-06-2020
68	Dr. Sonia	Digital Transformation in Teaching Learning Process course.	TEQIP-III, approved by NPIU at J. C. Bose University of Science & Technology, YMCA, Faridabad.	6-04-2020	22-04-2020
69	Dr. Sonia	AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)"	University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra.	27-04-2020	01-05-2020
70	Dr. Sonia	Workshop on MOOCs, Online Courses & Open Educational Resources	Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi	23-05-2020	29-05-2020.

71	Dr. Sonia	Online STTP on Green Energy Technolo gies for Sustainable Development.	NIT Kurukshetra and GEC-Bikaner under TEQIP-III.	11-06-2020	20 -06- 2020
72	Dr. Sonia	One week e-Faculty Development Program on Waste to Bioenergy.	Sharda University, Greater Noida (NCR) India and Maharashtra Institute of Technology, Aurangabad, India.	28-06-2020	04-07-2020
73	Dr. Sonia	Faculty Coordinator in successful conduction of TEQIP-III sponsored one week online short term course on "Research and Development in Composite Materials (RDCM-2020)	NIT Jaipur	27-07-2020	31-07-2020
74	Dr. Sonia	Online Workshop AICTE Incorporating Universal Human Values in Technical Education (An AICTE Initiative)	AICTE, New Delhi	05-08-2020	10-08-2020
75	Dr. Parveen Kumar	One week STC on "Emerging Trends in Data Science"	Department of Mathematics, JCBUST, YMCA, Faridabad	11/11/2019	15/11/2019
76	Dr. Parveen Kumar	Three weeks "Orientation Course OR-98"	UGC-HRD Centre, University of Delhi.	03/01/2020	23/01/2020
77	Mr. Ompal Singh	Basics To Advances In Structural Equation Modelling	IIM Kozhikode, Kochi Campus, Kerala	17/02/2020	21/02/2020
78	Mr. Ompal Singh	One Week Online Faculty Development Program on Advance Research Methods	Department of Management Studies, J C Bose University of Science and Technology, YMCA, Faridabad	08/06/2020	12/06/2020

79	Mr. Ompal Singh	One Week Faculty Development Program on Spectroscopic and Analytical Techniques: Applications	Department of Chemistry, J C Bose University of Science and Technology, YMCA, Faridabad in collaboration with Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi.	25/052020	29/05/2020
80	Mr. Ompal Singh	One week Faculty Development program "Research and Development in Composite Materials (RDCM-2020)".	Organized by Department of Physics, JCBUST, YMCA	27/07/2020	31/07/2020
81	Mr. Ompal Singh	Research in Modern Era	Department of Mechanical Engineering, J.C. Bose University of Science and Technology, YMCA	01-06-2020	05-06-2020
82	Mr. Ompal Singh	Advances in Physics	Guru Jambheshwar University of Science and Technology, Hisar	25/06/2020	26/06/2020
83	Mr. Ompal Singh	Global HR Conclave	TPO, J.C. Bose University of Science and Technology, YMCA, Faridabad	11/07/2020	12/07/2020
84	Mr. Ompal Singh	International Conference on Fusion of Science and Technology (ISFT-2020)	J.C. Bose University of Science and Technology, YMCA, Faridabad	06-01-2020	07-01-2020
85	Mr. Ompal Singh	Nuclear Physics – History, recent development and the future	Department of Physics, J.C. Bose University of Science and Technology, YMCA, Faridabad	-	19/06/2020
86	Mr. Ompal Singh	Workshop on NPTEL	NPTEL IIT Madras and J.C. Bose University of Science and Technology, YMCA, Faridabad	-	31/01/2020

87	Mr. Ompal Singh	2-Day workshop on "Writing Good Research Publications & Use of e-resources Effectively"	Pt. DeenDayal Upadhyay Central Library in collaboration with Digital India Cell of J.C Bose University of Science and Technology, YMCA Faridabad	17 January 2020	20 January 2020
88	Mr. Ompal Singh	Energetic ion beams in research and for special benefits	Department of Physics, J.C. Bose University of Science and Technology, YMCA, Faridabad		24/06/2020
89	Dr. Maneesha Garg	4-Day workshop on "Thin Film Deposition Techniques (TFDT 2020) .	Department of Physics, J.C Bose University of Science and Technology, YMCA Faridabad	17 February 2020	20 February 2020
90	Dr. Maneesha Garg	Symposium on Synthesis and Characterization of Smart Materials and Their Potential Applications (ISSCSMPA-2020)	GGIPU, New Delhi	14/06/2020	17/06/2020
91	Dr. Maneesha Garg	One Week Faculty Development Program on Spectroscopic and Analytical Techniques: Applications	Department of Chemistry, J C Bose University of Science and Technology, YMCA, Faridabad in collaboration with Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi.	25/052020	29/05/2020
92	Dr. Maneesha Garg	One week Faculty Development program "Research and Development in Composite Materials (RDCM-2020)".	Organized by Department of Physics, JCBUST, YMCA	27/07/2020	31/07/2020
93	Dr. Maneesha Garg	Energetic ion beams in research and for special benefits	Department of Physics, J.C. Bose University of Science and Technology, YMCA, Faridabad		24/06/2020

| 94 | Dr. Maneesha Garg | Nuclear Physics – History, recent development and the future | Department of Physics, J.C. Bose University of Science and Technology, YMCA, Faridabad | - | 19/06/2020 |

INVITED TALKS/LECTURES DELIVERED(Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic of delivery	Venue	Date
1	Dr. Sonia	Nano Science and Nanotechnology	CEC, UGC, New Delhi	26th Nov.2019
2	Dr. Sonia	Nanomaterials Synthesis	CEC, UGC, New Delhi	20th Dec. 2019
3	Dr. Sonia	Nanomaterials Synthesis-II	CEC, UGC, New Delhi	28th Jan. 2020
4	Dr. Sonia	Nanomaterials Synthesis-III	CEC, UGC, New Delhi	28th Jan. 2020
5	Dr. Sonia	Lithography Techniques - I	CEC, UGC, New Delhi	1st March 2020
6	Dr. Sonia	Lithography Techniques - II	CEC, UGC, New Delhi	1st March 2020
7	Dr. Maneesha	"Unity in Diversity: The Interdisciplinary Research Approach"	DAV centenary college Faridabad	11th October 2020
8	Dr. Maneesha	Science & technology for Sustainable Development in current scenario"	Department of Physics, IHL, BPSMV, Khanpur Kalan,Sonipat	3rd July, 2020
9	Mr. Ompal Singh	Sintering time dependent crystal structure of Nd doped $BiFeO_3$ multiferroics	Government Engineering College, Banswara, Rajasthan	7th March 2020
10	DR.M.K.YADAV	NEW EDUCATION POLICY 2020	GOVT.MODEL COLLEGE PULWARA-BAR,LALITPUR U.P	31/08/2020

FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS etc.

Sr. No.	Name of Faculty	Details
1	Dr. Sonia	IEEE-ICCCIS2019: International Conference on Computing, Communication, and Intelligent Systems (ICCCIS-2019) held during October 18-19th 2020 in Greater Noida, India, Sharda University

LIST OF PH.D. SUBMITTED/COMPLETED (Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic	Awarding Year	Institution
1.	Mr. Ompal Singh	Doping effects of Nd and Pr in modified $BiFeO_3$ multiferroics	Submitted 2020	Guru Jambheshwar University of Science and Technology, Hisar

GATE/ CAT/ OTHER EXAM QUALIFIED STUDENTS 2019-2020

Sr. No.	Name of Exam	Year	Count of Qualified Students
1.	CSIR NET JRF	2019	01
2.	GATE	2019	08
3.	JEST	2019	02

TRAINING PROGRAMMES HELD FOR STUDENTS

Date	Name of Activity	Number of Participants
17 – 20 Feb 2020	WORKSHOP on Thin Film Deposition Techniques (Value Added Course)	180

TRAINING PROGRAMMES HELD FOR FACULTY AND STAFF

Date	Name of Activity	Number of Participants
17 – 20 Feb 2020	WORKSHOP on Thin Film Deposition Techniques (Value Added Course)	20

SPONSORED R&D PROJECTS IN-HAND

Sr.No.	Name of Principal Investigator	Title of Research Project	Funding Agency	Duration	Year of Allotment	Amount (Rs.)
1.	Dr. Parmod Kumar	Study of spin polarized photocurrent and resistive switching behaviour in oxide semiconductors	DST India	5 Years	March 2016	**35 Lacs**

CANDIDATE COMPLETED/DOING PH.D.

Sr.No.	Name of the Supervisor	Name of the Ph.D. Scholar	Mode of Ph.D. (Full Time/ Part Time)	Date of Registration	Research Topic	Availing Fellowship Yes/No
1.	Dr. Anuradha Sharma	Dr. Dhirendra Kumar Sharma	Part Time	2012	Structural, optical and magnetic properties of Rare earth doped ZnO nanostructures	No(Degree awarded)
2.	Dr. Anuradha Sharma and Dr. Arun Kumar	Ms. Krishna Kuntal	Full Time	2018	Synthesis and Characterization of Graphene based hybrid nanocomposite thin films	Yes
3.	Dr. Arun Kumar	Ms. Pooja Singh	Full Time	2019	Mechanical and Tribological Properties of Carbon Reinforced Thermosetting Polymer Matrix based Composite Materials	Yes

4.	Dr. Arun Kumar	Ms. Shweta	Part Time	2019	Tailoring optoelectronic properties of 2D transition metal dichalcogenides for energy harvesting applications	No
5.	Dr. Parveen Kumar	Ms. Anita Sharma	Full Time	2018	Synthesis and Characterization of Polyaniline and its Composites for Opto-Electrical Sensing Applications	Yes
6.	Dr. Parveen Kumar	Ms. Aarti	Part time	2019	Study of Charge Transport Mechanism in Polypyrrole based Nanocomposites for Electrical Applications	No
7.	Dr. Parmod Kumar	Ms. Ankita	Full Time	2020	Broad Topic -Oxide Semiconductor	Yes
8.	Dr.M.K.Yadav	Ms.Neelam Rani	Part Time	2012	A study of non-linear waves in semiconductor quantum plasma .	NO
9.	Dr.M.K.yadav	Ms.Geeta Rana	Part Time	2012	Study of effects of solar activity on ionospheric plasma.	NO
10.	Dr. Sonia	Mr. Vinod Chacko	Part Time	2012	Modelling and Optimization of 1-D Photonic Crystal Wave Guides and Devices	No
11.	Dr. Sonia	Mr. Sheetal Prasad	Part Time	2013	Study of effects of doping on nanostructuralZnO thin film	NO
12.	Dr. Sonia	Mr. Amir Mansoori	Full Time	2017	Design and Fabrication of low cost Printed sensors using 2D materials.	Yes
13.	Dr. Sonia	Ms. Afsana Khan	Full Time	2018	Fabrication and characterization of two	Yes

					dimensional layered materials for printed electronic devices	
14.	Dr. Sonia	Mrs. Priyanka	Full Time	2020	Yet to be decided	Yes
15.	Dr. Maneesha Garg	Rajkumari	Part Time	2012	Study of radioactivity in naturally occurring Radioactive materials	No (Degree Awarded)
16.	Dr. Maneesha Garg	Bhupender Singh	Full Time	2018	Radioactivity assessment in Air, Soil and Water Samples in Southern Haryana	Yes
17.	Dr. Maneesha Garg	Ms. Tamanna Sharma	Full Time	2019	Study of Optoelectronic, Dielectric Relaxation and Conduction behaviour of Polystyrene Nanocomposites	Yes
18.	Dr. Anuradha Sharma	Mr. Harishankar Kaushik	Part Time	2012	Theoretical and Experimental Studies on some oxide based DMS	No

AWARDS/PRIZES WON STUDENTS/FACULTY DURING THE YEAR

Sr. No.	Title of the Award	Name of the Awardee	Awarding Agency	National/ International
1.	Acharya Jagadish Chandra Bose Memorial Award 2020	DR.M.K.YADAV	IIOH Kolkata - 700048.	National
2.	Scientist For A Day 2020	DR.M.K.YADAV	NASA	
3.	Teachers Glory Award 2020	DR.M.K.YADAV	World Education Summit Hyderabad 2020	International

4.	Best Teacher Award 2020	DR.M.K.YADAV	Director Institute of ScholarsBengaluru	National
5.	Research Excellence Award 2020	DR.M.K.YADAV	Director Institute of Scholars Bengaluru	National
6.	DR.S.R.L.times a National award 20	DR.M.K.YADAV	IRDP Group of Journals Chennai.	National

OUTSTANDING ACHIEVEMENTS 2019-2020

LIST OF RESEARCH PROPOSALS GRANTED BY UNIVERSITY

S.No.	Name of Principal Investigator	Department	Title of Project	Regular under SFS/ Budgeted	Amount Sanctioned
1.	Dr. Parveen Kumar	Physics	Modification of the Properties of the Conjugated Polymers and their Composites for Opto-Electrical Applications	SFS	**Rs. 2,00,000/-**

DEPARTMENT OF MATHEMATICS

DEPARTMENT OF MATHEMATICS

The department of Mathematics has a distinguished record in both teaching and research. It has modern facilities and a dedicated technical and office staff to support the academic programs and research.

DEPARTMENT PROFILE

UG Course: B.Sc. (Hons) Mathematics

PG Course: M.Sc. Mathematics

Ph.D. :   Mathematics

Total Number of Faculty: 13 (01 Associate Prof. + 12Assistant Prof.)

Lab Assistant: 01

Number of Ph.D.'s: 08

Average Experience of faculty: 08 years. (approx.)

Chairperson: **Dr. Neetu Gupta**

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	01
2	Workshops	Nil
3	Lecture Halls	Nil
4	Conference Room	Nil
5	Seminar Halls/Projector Rooms/Research Lab	Nil

6	Internet Connection	Yes
7	Any Other Facility	No

The Department also sponsors its faculty for Short Term Courses and Conferences on regular basis. Dr. Jyoti from the department has successfully completed his Ph.D. degree during this academic year. Dr. Ramu Dubey, Dr. Suraj Goyal and Mr. Abhishek have joined the department as Assistant Professor in Feb.,2020.

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Dr. Neetu Gupta	Associate Professor & Chairman	Ph.D. (2011)	Queuing Theory, Operation Research	15 years
2	Ms. Jyoti	Assistant Professor	Ph.D. (2020)	Operations research	14 years
3	Dr. Reena Garg	Assistant Professor	Ph.D. (2013)	Operations Research, Applied Mathematics	15 years
4	Ms. Nisha Singh	Assistant Professor	Ph.D. (Pursuing)	Pure Mathematics	09 years
5	Dr. Arpita Chatterjee	Assistant Professor	Post-Doctorate (2017)	Quantum Optics and Quantum Information Processing	09 years
6	Dr. Ramu Dubey	Assistant Professor	Ph.D. (2016)	Operations Research	07 years
7	Dr. Suraj Goyal	Assistant Professor	Ph.D. (2016)	Continuum Mechanics	06 years
8	Mr. Abhishek	Assistant Professor	M.Sc. Mathematics (2017)	Pure Mathematics	03 years
9	Dr. Shubham Jaiswal	Assistant Professor	Ph.D. (2018)	Numerical Analysis	03 years
10	Dr. Pooja Gupta	Assistant Professor	Ph.D. (2018)	Approximation Theory	03 years
11	Hemlata Aggarwal	Assistant Professor	M.Sc. (2011)	Fuzzy Mathematics	08 years
12	Ms. Rupali Srivastava	Assistant Professor	M.Sc. Mathematics (2017)	Pure Mathematics	01 years
13	Mr. Kuldeep Singh	Assistant Professor	M.Sc. Mathematics (2017)	Pure Mathematics	01 years

DEPARTMENTAL PUBLICATIONS & FDP/STC (Academic year 2019-2020)

Sr. No.	Particulars	Count (2018-19)
1	Publications in International Journals	35
2	Publications in National Journals	00
3	Publications in International Conference	00
4	Publications in National conferences	00
5	STC/FDP	27 (Attended)

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1.	Dr. Neetu Gupta	1. Availability analysis of complex box manufacturing system using software, International journal of Research and analytical reviews, Vol 06, No 01, 538-547, 2019 2. The commercial impact of reverse logistics in E-commerce in India, International journal of engineering and advanced technology, Vol 09, No 03, 4117-4121, 2020. 3. Common fixed point results for w-compatible mapping along with (CLRst) property in fuzzy metric spaces, TWMS Journal of applied and engineering mathematics, Vol 09, No 04, 851-863, 2019. 4. Common fixed point results for various mapping in fuzzy metrics\ spaces with application, Boletim da Socidade paranaense de matemarica, Vol 38, No 05, 33-71 ,2020. 5. Development of Markov chain-based tool for studying effectiveness vendor managed inventory and result analysis from a pilot study, Sadhana Indian Academy of Science dio.org/10.1007/s12046-020-1298-3, 1-13, 2020.
2.	Dr. Jyoti	1. Development of Markov chain-based tool for studying effectiveness vendor managed inventory and result analysis from a pilot study, Sadhana Indian Academy of Science dio.org/10.1007/s12046-020-1298-3, 1-13, 2020. 2. The commercial impact of reverse logistics in E-commerce in India, International journal of engineering and advanced technology, Vol 09, No 03, 4117-4121, 2020.

3.	Dr. Reena Garg	1. Reliability Measures of a Two Unit Model in Cold Standby Mode with Expert Repairman, IJRTE, Vol-8, Issue-3, 2019.
		2. Availability and profit analysis of two unit model with conditions on demand variations, IJSTR, Vol-8, Issue-10 2019.
		3. Cost benefit and availability analysis of standby system with expert repairman by using regenerative point graphical technique, Compliance Engineering, Vol-10, Issue-11, 2019.
		4. Mathematical Modeling and Reliability Analysis of Server Policy of Library, Journal of Xi''an University of Architecture and Technology, Vol-11, Issue-11, 2019.
		5. Performance Modeling & Reliability Analysis of Demand & Supply Model, Journal of Xi''an University of Architecture and Technology, Vol-11, Issue-12, 2019.
		6. Behavioral Analysis of Single Unit System Using RPGT, Journal of Xi''an University of Architecture and Technology, Vol-12, Issue-2, 2020.
		7. Comparative Analysis of the Reliability of the Butter-Oil Processing Plant Using Cas Mathematica & Maxima, IJRTE, Vol-8, Issue-6, 2020.
		8. Reliability Analysis of Ammonia Synthesis Uni in a fertilizer plant using CAS Mathematics, IJAST, Vol-29, Issue-6s, 2020.
		9. Mathematical Modelling to Analyse the reliability of the cattle feed plant, TEST, Vol-83, Issue-May-June, 2020.
		10. Study of Four Unit System for the Measures of Reliability, Availability and MTSF, IJAST, Vol-29, Issue-5, 2020.
		11. Application of CAS Mathematica to Analyse the Reliability of Model with Season –wise variation, JCR, Vol-7, Issue-8, 2020.
4.	Dr. Arpita Chatterjee	1. "Dynamics of a deformed atom cavity field system in presence of a Kerr-like medium", J. Mod. Opt., 66(6), 898, 2020.
5.	Dr. Ramu Dubey	1. Spatial dynamics of predator-prey system with hunting cooperation in predators and type I functional response,AIMS Mathematics, 5(1): 673–684, 2020.
		2. Second-order nondifferentiable multiobjective mixed type fractional programming problems, **Int.** J. Nonlinear Anal. Appl., 10, No. 1, 1-13, 2020.
		3. A class of second order nondifferentiable symmetric duality relations under generalized assumptions, **J.** Math. Computer Sci., 21, 120–126, 2020.
		4. Higher-order symmetric duality in nondifferentiable multi objective fractional programming problem over cone constraints**,** Stat., Optim. Inf. Comput., Vol. 8, 187–205, 2020.
		5. SYMMETRIC DUALITY RESULTS FOR SECOND-ORDER NONDIFFERENTIABLE MULTIOBJECTIVE PROGRAMMING PROBLEM, RAIRO Operations Research, 53, 539-558, 2019.

		6. Duality for Unified Higher-Order Minimax Fractional Programming with SupportFunction under Type-I Assumptions, Mathematics, 7, 1034, 2019. 7. New class of G-Wolfe-type symmetric duality model and duality relations under Gf -bonvexity over arbitrary cones, Journal of Inequalities and Applications, https://doi.org/10.1186/s13660-019-2279-0. 8. Duality relations for a nondifferentiable minimax fractional programming problem under generalized convexity, Nonlinear Studies, Vol. 26, No. 2, 1-13, 2019. 9. Duality results for a class of mixed type dual models under type-I functions, Nonlinear Studies, Vol. 26, No. 3, 1-14, 2019. 10. Nondifferentiable G-Mond–Weir Type Multiobjective Symmetric Fractional Problem and Their Duality Theorems under Generalized Assumptions, Symmetry, 11, 1348, 2019. 11. Duality relations for second-order programming problem under (G,αf)-bonvexity assumptions, Asian-European Journal of Mathematics, Vol. 13, No. 1, 2020. 12. Generalization of Szasz-Mirakjan-Kantorovich operators using Multiple-Appell polynomials, Journal of Inequalities and Applications http://doi.org/10.1186/s13660-020-02423-8. 13. Second-order multiobjective nondifferentiable fractional programming problem and duality relations under $(K \times Q)$-(C, α, ρ, d)-type-I functions, MATHEMATICS IN ENGINEERING, SCIENCE AND AEROSPACE, 10, 1-11, 2019. 14. Non-differentiable higher-order duality theorems for new type of dual model under generalized functions, PROYECCIONES JOURNAL OF MATHEMATICS, 39, 15-29, 2020.
6.	Dr. Suraj Goyal	Elastic waves at the plane interface of swelling porous half-space and viscoelastic half-space with voids, *International Journal of Mechanical Sciences*, **188**, 1-19, 2020.
7.	Dr. Pooja Gupta	Generalization of Szász-Mirakan Kantorovich operators using multiple Appell polynomials, Journal of Inequalities and applications, 2020, 1-11, 2020.

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
		NIL

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1.	One week **STC**	Emerging Trends in Data Science and its Applications	11-15th November, 2019
2.	Maths Fest	MATHS FEST'19	12 September, 2019
3.	Workshop	"Mathematical Modeling and Simulation"	28-29th January, 2020
4.	Webinar	Symbolic Models for Linguistic Decision Making	11th A ug, 2020
5.	Webinar	Applications of Mathematics in Sc. and Tech.	09th Aug, 2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED (Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
1	Dr. Neetu Gupta	Workshop –"MATLAB and Simulink with Hands on practice	J C Bose UST, YMCA, Faridabad	22nd July 2019	26th July 2019
		Digital Transformation in Teaching learning Process	TEQIP –III, NPIU, IIT BOMBAY	6th April 2020	22th April 2020

		FDP Research in modern Era	J C Bose UST, YMCA, Faridabad	1st June 2020	5th June 2020
		SDP Basic computer skills and ICT Tools Google classroom	J C Bose UST, YMCA, Faridabad	10th July 2020	14th July 2020
2	Dr. Reena Garg	A one-week STC on "Emerging trends in data science and its applications"	J C Bose UST, YMCA, Faridabad	11th Nov. 2019	15th Nov. 2019
		Digital Transformation in Teaching learning Process	IIT, Bombay	6th April 2020	22th April 2020
		A two-days' workshop on "Mathematical Modeling and Simulation"	J C Bose UST, YMCA, Faridabad	28th Jan. 2020	29th Jan. 2020
3	Ms. Nisha Singh	A one-week STC on "Emerging trends in data science and its applications"	J C Bose UST, YMCA, Faridabad	11th Nov. 2019	15th Nov. 2019
		International Symposium on COVID 19 and beyond: The new normal in HEI's	J C Bose UST, YMCA, Faridabad	10th June 2020	10th June 2020
		Research in Modern Era	J C Bose UST, YMCA, Faridabad	1st June, 2020	5th June, 2020
4	Dr. Arpita Chatterjee	A two-days' workshop on "Mathematical Modeling and Simulation"	J C Bose UST, YMCA, Faridabad	28th Jan. 2020	29th Jan. 2020
		An international symposium on "Covid 19 & beyond: The new normal in HEIs"	J C Bose UST, YMCA, Faridabad	10th June 2020	10th June 2020
		A two-week course on TEQIP online certification on "Digital transformation in teaching learning process"	IIT Bombay, Mumbai	6th April 2020	22th April 2020

		A one-week STC on "Emerging trends in data science and its applications"	J C Bose UST, YMCA, Faridabad	11th Nov. 2019	15th Nov. 2019
5	Dr. Ramu Dubey	A one-week STC on "Emerging trends in data science and its applications"	J C Bose UST, YMCA, Faridabad	11th Nov. 2019	15th Nov. 2019
		Digital Transformation in Teaching learning Process	IIT, Bombay	6th April 2020	22th April 2020
		A two-days' workshop on "Mathematical Modeling and Simulation"	J C Bose UST, YMCA, Faridabad	28th Jan. 2020	29th Jan. 2020
6	Dr. Suraj Goyal	NITTTR Chandigarh-AICTE Recognized FDP on Choice Based Credit System	J C Bose UST, YMCA, Faridabad	11th Mar 2020	13th Mar 2020
7	Mr. Abhishek	One-week online FDP on Research in modern era	J C Bose UST, YMCA, Faridabad	1st June 2020	5th June 2020
		National level five-day FDP on SCILAB	SPEC in association with IIT Bombay	15th June 2020	19th June 2020
8	Dr. Shubham Jaiswal	A one-week STC on "Emerging trends in data science and its applications"	J C Bose UST, YMCA, Faridabad	11th Nov. 2019	15th Nov. 2019
		Digital Transformation in Teaching learning Process	IIT, Bombay	6th April 2020	22th April 2020
		A two-days' workshop on "Mathematical Modeling and Simulation"	J C Bose UST, YMCA, Faridabad	28th Jan. 2020	29th Jan. 2020
9	Dr. Pooja Gupta	A one-week STC on "Emerging trends in data science and its applications"	J C Bose UST, YMCA, Faridabad	11th Nov. 2019	15th Nov. 2019
10	Hemlata Aggarwal	A one-week STC on "Emerging trends in data science and its applications"	J C Bose UST, YMCA, Faridabad	11th Nov. 2019	15th Nov. 2019

| 11 | Mr. Kuldeep Singh | A one-week STC on "Emerging trends in data science and its applications" | J C Bose UST, YMCA, Faridabad | 11th Nov. 2019 | 15th Nov. 2019 |
| 12 | Ms. Rupali Srivastava | A one-week STC on "Emerging trends in data science and its applications" | J C Bose UST, YMCA, Faridabad | 11th Nov. 2019 | 15th Nov. 2019 |

INVITED TALKS/LECTURES DELIVERED (Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic of delivery	Venue	Date
1.	Dr Neetu Gupta	Application of integration in Numerical Analysis	D.A.V. CENTENARY COLLEGE, Faridabad	21/08/2019
2.	Dr. Reena Garg	Reliability Theory	K. L. Mehta Dayanand College for Women, Faridabad	13/09/2019
		Classification and Application of Partial Differential Equations	D.A.V. Centenary College, Faridabad	21/09/2019
		Reliability and its Application in Engineering	Online(mode) in six days National webinar series on 'Application of Mathematics'	09/07/2020

FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS etc.

Sr. No.	Name of Faculty	Details
1.	Dr. Reena Garg	1. Member of Reviewer Board-IJRET 2. Member of Editorial Board-IJEMR
2.	Dr. Arpita Chatterjee	1. Reviewer in Chin. Opt. Lett., Int. J. Theo. Phys.

LIST OF PH.D. COMPLETED (Academic year 2019-2020)

S. No.	Name of Faculty	Topic	Awarding Year	Institution
1.	Manish Jain	Coupled Fixed point theorems for mapping in various spaces	2019	J C Bose UST, YMCA, Faridabad
2.	Upsana	Reliability of some complex system in mathematical approach	2019	J C Bose UST, YMCA, Faridabad
3.	Jyoti	Study of inventory Models in supply chain management	2020	J C Bose UST, YMCA, Faridabad

CANDIDATE COMPLETED/DOING PH.D.

Sr. No.	Name of the Supervisor	Name of the Ph.D. Scholar	Mode of Ph.D. (Full Time/ Part Time)	Date of Registration	Research Topic	Availing Fellowship Yes/No
1.	Dr. Neetu Gupta	Manish Jain	Part Time	13/03/2012	Coupled Fixed point theorems for mapping in various spaces	No
		Upsana Taneja	Part Time	13/03/2012	Reliability of some complex system in mathematical approach	No
		Jyoti	Part Time	13/03/2012	Study of inventory Models in supply chain management	No
		Nisha Singh	Part Time	17/07/2019 `	Operational Research	No
		Preeti	Full Time	01/08/2018	A study on the applications of queuing theory in healthcare management system	Yes
		Pooja Bansal	Part Time	-	-	No
		Shiva	Full Time	-	-	Yes
2.	Dr. Reena Garg	Divesh Garg	Part Time	22/03/2017	Reliability Modeling and Profit analysis of stochastic systems	No
		Shalini Jindal	Full Time	01/08/2017	Performance Modelling and Reliability of Mechanical System using Computer Algebra System (CAS)	Yes

		Ajay Kumar	Full Time	Aug-2019	Performance Analysis of Redundent Systems With Server Failure Under Varying Environment Conditions	Yes
3.	Dr. Arpita Chatterjee	Naveen Kumar	Full-time	22/07/2019	Quantum Optics and Quantum Information Processing	Yes
		Deepak Kumar	Full-time	03/02/2020	Quantum Optics and Quantum Information Processing	Yes
4.	Dr. Ramu Dubey	Ramesh Kumar	FT	July, 2019	Spline Based Computationally Efficient Numerical Solutions of some Partial Differential Equations	Yes
		Kuldeep	Part Time	Jan., 2020	Mathematical modelling and their applications	No
		Jyoti	Part Time	Jan., 2019	Not decided	No

DEPARTMENT OF ENVIRONMENTAL SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCES

The department of Environmental Sciences has a distinguished record in both teaching and research. It has modern facilities and a dedicated technical and office staff to support the academic programs and research.

DEPARTMENT PROFILE

PG Course   :   M.Sc in Environmental Sciences
Ph.D.   :   Environmental Sciences
Target Students: 35
Total Number of Faculty: 7 - 1 Professor (Adjunct faculty), 1 Associate Professor, 5 Assistant Professors: (3 Regular + 2 Contractual)
Number of Ph.D.'s: - 5
Average Experience of faculty: **11.5 yrs**
Chairperson: Dr. Renuka Gupta

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	2
2	Workshops	-
3	Lecture Halls	-
4	Conference Room	-
5	Seminar Halls/Projector Rooms/Research Lab	-
6	Internet Connection	Yes
7	Any Other Facility	-

The Department also sponsors its faculty for Short Term Courses and Conferences on regular basis.

Dr. Somvir Bajar, Dr. Smita and Dr.Navish has joined the department as Assistant Professor in February 2020.

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Dr. Renuka Gupta	Chairperson, Associate Professor	Ph.D. (2010)	Environment Pollution Management	11
2	Dr. K.L. Dua	Professor, Adjunct Faculty	Ph.D	Botany	43
3	Dr. Somvir Bajar	Assistant Professor	Ph.D. (2014)	Environmental Pollution Monitoring, Carbon sequestration, Bio-fuel production	08
4	Dr. Smita	Assistant Professor	Ph.D (2017), Post Doctorate 2019	Environmental pollution and abatement, Bioenergy and Bioremediation	06
5	Dr. Navish Kataria	Assistant Professor	Ph.D.(2018) , PDF,2020	Environmental Nanotechnology, Water and wastewater treatment and Adsorption	02
6	Mrs. Anita Girdhar	Assistant Professor	M.Sc, NET Pursuing Ph.D	Environmental Biology Phytoremediation of heavy metals	05
7	Mrs. Monika Mago	Assistant Professor	M.Sc, NET Pursuing Ph.D	Environment Sciences	05.5

DEPARTMENTAL PUBLICATIONS & FDP/STC (Academic year 2019-2020)

Sr. No.	Particulars	Count (2018-19)
1	Publications in International Journals	13
2	Publications in National Journals	1
3	Publications in International Conference	2
4	Publications in National conferences	
5	STC/FDP	26

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1.	Dr. Smita	1. Smita S. Kumar, Kumar Amit, Swati Singh, Sandeep K. Malyan, Shahar Baram, Jyoti Sharma, Rajesh Singh, Arivalagan Pugazhendhi Industrial wastes: Fly ash, steel slag and phosphogypsum- Potential candidates to mitigate greenhouse gas emissions from paddy fields. Chemosphere (Impact factor 5.778) February 2020; 241, 124824 2. Pooja Ghosh, PhD; Madan Kumar; Rimika Kapoor; Smita S Kumar; Lakhveer Singh; Vandit Vijay; Virendra K Vijay; Vivek Kumar; Indu Shekhar Thakur Enhanced biogas production from municipal solid waste via co-digestion with sewage sludge and metabolic pathway analysis, Bioresource Technology, (Impact factor 7.54) Jan 2020, 296; 122275, 2020 3. Jyoti Sharma, Vivek Kumar, Smita S Kumar*, Sandeep K Malyan, Thangavel Mathimani, Narsi R Bishnoi, Arivalagan Pugazhendhi Microalgal consortia for municipal wastewater treatment – lipid augmentation and fatty acid profiling for biodiesel production. Journal of Photochemistry and Photobiology B: Biology (Impact factor 4.383) January 2020; 202; 11168, 2020 4. Sharma Mona, Smita S Kumar, Vivek Kumar, Khalida Parveen, Neha Saini, Bansal Deepak, Arivalagan Pugazhendhi. Green technology for sustainable biohydrogen production (Waste to energy): A Review. Science of the Total Environment (Impact factor 6.551) 738(1August2020):138481

5. Smita S Kumar, Vivek Kumar, Veera Gnaneswar Gude, Sandeep K Malyan, Arivalagan Pugazhendhi. Alkalinity and salinity favor bioelectricity generation potential of Clostridium, Tetrathiobacter and Desulfovibrio consortium in Microbial Fuel Cells (MFC) treating Sulfate-laden wastewater. Bioresource Technology (Impact factor 7.54), 306; June 2020, 123110

6. Jyoti Sharma, Smita S Kumar, Vivek Kumar, Sandeep K Malyan, Thangavel Mathimani, Narsi R Bishnoi, Arivalagan Pugazhendhi. Upgrading of microalgal consortia with CO_2 from fermentation of wheat straw for the phycoremediation of domestic wastewater, Bioresource Technology, Volume 305 (June 2020) 123063 (Impact factor 7.54)

7. Sabarathinam Shanmugam, Thangavel Mathimani, Susaimanickam Anto, M. P., Sudhakar, Smita S Kumar, Arivalagan Pugazhendhi. Cell density, Lipidomic profile, and fatty acid characterization as selection criteria in bioprospecting of microalgae and cyanobacterium for biodiesel production, Bioresource Technology, 304 (May 2020) 123061 (Impact factor 7.54)

8. Rimika Kapoor, Pooja Ghosh, Madan Kumar, Subhanjan Sengupta, Asmita Gupta, Smita S Kumar, Vandit Vijay, Vivek Kumar, Virendra Kumar Vijay, Deepak Pant, Valorization of agricultural waste for biogas based circular economy in India: A Research Outlook, Bioresource Technology, 304 (May 2020) 123036 (Impact factor 7.54)

9. Manju Toor, Smita S. Kumar, Sandeep K. Malyan, Narsi R. Bishnoi, Thangavel Mathimani, Karthik Rajendran, Arivalagan Pugazhendhi. An overview on bioethanol production from lignocellulosic feedstocks. Chemosphere 242; (March 2020) 125080 (Impact factor 5.778)

10. Amit Kumar, Amit Kumar, Cabral-Pinto M.M.S., Ashish K. Chaturvedi, Aftab A Shabnam, Gangavarapu Subrahmanyam, Raju Mondal, Dipak Kumar Gupta, Sandeep K. Malyan, Smita S. Kumar, Shakeel A. Khan, Krishna K. Yadav. Lead Toxicity: Health Hazards, Influence on Food Chain, and Sustainable Remediation Approaches. International journal of Environmental Research and Public Health. 17(7) Pages 1-36, MDPI (Impact factor 2.849)

11. Susaimanickam Anto, Subhra Sankha Mukherjee, Rhea Muthappa, Thangavel Mathimani, Garlapati Deviram, Smita S Kumar, Tikendra Nath Verma, Arivalagan Pugazhendhi. Algae as green energy reserve: Technological outlook on biofuel production Chemosphere 242; 125079, 2020 (Impact factor 5.778)

2.	Dr. Somvir Bajar	1. Bajar, S., Singh, A., & Bishnoi, N. R. (2020). Exploration of low-cost agro-industrial waste substrate for cellulase and xylanase production using Aspergillus heteromorphus. *Applied Water Science*, *10*(6), 1-9. 2. Sharma, B., Singh, I., Bajar, S. et al. Biogenic Silver Nanoparticles: Evaluation of Their Biological and Catalytic Potential. Indian J Microbiol (2020). https://doi.org/10.1007/s12088-020-00889-0
3.	Dr. Navish Kataria	1. Seema Joshi, **Navish Kataria,** V. K. Garg, and K. Kadirvelu. "Pb^{2+} and Cd^{2+} recovery from water using residual tea waste and SiO2@ TW nanocomposite." *Chemosphere (Elsevier)* (2020): 127277. [IF -5.7]

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1.	Dr. Renuka Gupta	1) Chauhan H. and **Gupta R.** (2020). 'Development of iron oxide activated nanoparticles in removal of heavy metals and dyes from wastewater.' In Proceedings of 8th*International Symposium on Fusion of Science and Technology*, J.C. Bose University of Science and Technology, YMCA, Faridabad, 6th -10th January, 2020, PP 688-694, ISBN No.- 978-93-5396-516-7. 2) Kaur, P. and **Gupta R.** (2020). 'Heavy Metal Contamination in Agricultural Crop and Health Risk Assessment.' In Proceedings of 8th International Symposium on Fusion of Science and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, 6th -10th January, 2020, PP 924-931, ISBN No.- 978-93-5396-516-7.

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1	Awareness Programme on Water Conservation	On the Spot Poster Making Competition On the Spot Slogan Writing Competition	22nd July 2019
2	AICTE Plantation Drive	"One Student , One Tree"	22nd Aug 2019
3	Mega Plantation drive with Selfie contest	Hariyali Parv- Paudha Mera Dost	13th Aug 2020
4	Plastic waste awareness programme	Sustainable Solid Waste Management Practices	11th Sep 2019
5	Expert Lecture	Disaster Management	11th Sep 2019
6	Plastic Waste Free India Campaign	Essay Writing Competition Poster making Competition Best Out of Waste	16th-24thOct 2019 24th Oct 2019 24th Oct 2019
7	Awareness session on E-waste management	Karo Sambhav	27th Feb 2020
8	Earth Week Celebration	"Celebrating Earth Week Amid COVID-19"	22-29th April, 2020
9	Quiz	Online Quiz on Environment	21st -22nd June 2020
10	Webinar	"Science & Technology for Nature Conservation"	5th June 2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED (Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	**To**
1	Dr. Renuka Gupta	One Week Online Faculty Development Program "Industry Academia Convergence - Bridging the skill gap"	Department of Electronics Engineering, JC Bose University of Sciences and Technology, YMCA Faridabad	22nd June 2020	26th June, 2020
2	Dr. Renuka Gupta	Online Panel Discussion on 'Plastic Waste in COVID-19 Pandemic'	Indian Pollution Control Association, New Delhi	24th June, 2020	
3	Dr. Renuka Gupta	Online National Vice-chancellor e-Conclave 'Vice-Chancellor e-Conclave'	Shri Vishwakarma Skill University, Gurgaon	13th June, 2020	
4	Dr. Renuka Gupta	NAAC sponsored One Day Workshop "An insight into Revised Accreditation Framework of NAAC"	JC Bose University of Sciences and Technology, YMCA Faridabad	12th February, 2020	
5	Dr. Renuka Gupta	One Day Workshop "Outcome Based Education and Attainment	JC Bose University of Sciences and Technology, YMCA Faridabad	6th December, 2019	
6	Dr. Renuka Gupta	One Week Short Term Course "Emerging Trends in Data Science and is Applications"	Department of Mathematics at JC Bose University of Sciences and Technology, YMCA Faridabad	11th-15th November, 2019	

7	Dr. Somvir Bajar	FDP on "Choice Based Credit System"	Department of Electronics Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, 121006 (Haryana)	11th March,2020	13th March, 2020
8	Dr. Somvir Bajar	FDP on "Digital Transformation in Teaching Learning Process"	IIT Bombay	6th April, 2020	22nd April, 2020
9	Dr. Somvir Bajar	FDP on "Earth, Environment & Space Sciences for Mankind"	Ch. Bansi Lal University, Bhiwani, Haryana	21st May 2020	30th May 2020
10	Dr. Somvir Bajar	FDP on "Energy Conservation & Renewable Energy"	School of Engineering & Technology, IGNOU, New Delhi	8th June, 2020	12th June, 2020
11	Dr. Somvir Bajar	STTP on "Data Analysis in Ms Excel"	REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu, India	29th June, 2020	4th June, 2020
12	Dr. Smita	Digital Transformation in Teaching Learning Process (DTITLP) course	SWAYAM, NPIU, and conducted by IIT Bombay	6th June, 2020	22nd April, 2020
13	Dr. Smita	5-day FDP on "Research in Modern Era"	Department of Mechanical Engineering J C Bose University of Science & Technology, YMCA	1st June 2020	5 June 2020

14	Dr. Smita	Two-Week Online Short-Term Training Program on "Green Energy Technologies for Sustainable Development	National Institute of Technology, Kurukshetra and Government Engineering College, Bikaner	11th June 2020	20 June, 2020 under TEQIP-III: Mentoring/ Twinning System
15	Dr. Smita	Art for environment swag for nature creativity for sustainability	workshop organized by Ecoskillarts, Shristi, and Katha	26th June 2020, Friday, online	
16	Dr. Smita	Excellence in Peer review Webinar training "how to be an effective peer reviewer"	Taylor and Francis	12th June, 2020	
17	Dr Navish Kataria	Digital Transformation in Teaching Learning Process	SWAYAM, NPIU, and conducted by IIT Bombay	6th April, 2020	22nd April, 2020
18	Dr Navish Kataria	Energy Conservation and Renewable Energy	Indira Gandhi National Open University, New Delhi	08th June, 2020	12th June, 2020
19	Dr Navish Kataria	Science Leadership Workshop	Central University of Punjab, Bathinda, India	22nd June, 2020	28th June , 2020
20	Dr Navish Kataria	Mendeley Training Course" (Elsevier)	Aggarwal College, Ballabgarh, India	7th June, 2020	7th June, 2020
21	Mrs. Anita Girdhar	Innovative Teaching Methodologies in Technical Education	Department of Management Studies, JCBUST, Faridabad	24th Sep 2019	28th Sep2019

22	Mrs. Anita Girdhar	One day Workshop on "MOOC and Digital Learning"	Digital India Cell, JCBUST	29th July 2019	29th July 2019
23	Mrs. Anita Girdhar	One day Workshop on "Outcome Based Education and Attainment"	J.C. Bose University of Science & Technology YMCA	6th Dec. 2019	6th Dec. 2019
24	Mrs. Anita Girdhar	FDP on "Digital Transformation in Teaching Learning Process"	IIT Bombay	6th April 2020	22nd April 2020
25	Mrs. Anita Girdhar	Two day workshop on "Writing Good Research Publications and use of E-resources effectively"	J.C.Bose University of Science & Technology, YMCA	17th and 20th January 2020	
26	Mrs. Anita Girdhar	One Week FDP on " Spectroscopic and Analytical Technique Applications"	Dept. Of Chemistry, JCBUST, YMCA	25th May, 2020	29th May, 2020
27	Mrs. Monika Mago	Two day workshop on "Writing Good Research Publications and use of E-resources effectively"	J.C.Bose University of Science & Technology, YMCA	17th and 20th January 2020	
28	Mrs. Monika Mago	FDP on "Digital Transformation in Teaching Learning Process"	IIT Bombay	6th April 2020	22nd April 2020
29	Mrs. Monika Mago	Mendeley Training Course" (Elsevier)	Aggarwal College, Ballabgarh, India	June, 7th 2020	June, 7th 2020
30	Mrs. Monika Mago	One day Workshop on "Outcome Based Education and Attainment"	J.C. Bose University of Science & Technology YMCA	6th Dec. 2019	6th Dec. 2019

| 31 | Mrs. Monika Mago | One Week FDP on " Spectroscopic and Analytical Technique Applications" | Dept. Of Chemistry, JCBUST, YMCA | 25th May, 2020 | 29th May, 2020 |

FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS etc.

Sr. No.	Name of Faculty	Details
1	Dr.Renuka Gupta	● Life member, Indian Nuclear Society(INS), Anushaktinagar(Mumbai) ● Life member, Biotechnology Research Society of India (BRSI), Trivandrum ● Life member, Indian Science Congress Association, Kolkata ● Life member, National Environmental Science Academy, New Delhi ● Life member, Indian Society for Technical Education, New Delhi ● Life member, Indian Association of Air Pollution Control, , New Delhi
2	Dr. Smita	● Liquid Waste Management Subject Expert Group Member, Unnat Bharat Abhiyan (UBA) (National) ● Member, Scientific committee of the 1st Virtual ISMET Meeting, The International Society for Microbial Electrochemistry and Technology, Switzerland (International) ● Reviewer, The research council of Oman, National University of Science & Technology, Oman (International)
3	Mrs Anita Girdhar	Life member, Indian Association of Air Pollution Control, , New Delhi

CONSULTANCY PROJECTS IN-HAND

Sr.No.	Name of Principal Consultant	Name of the Project	Funding Agency	Duration	Year of Allotment	Amount (Rs.)
1.	Dr. Somvir Bajar	Technical Adequacy Assessment Report for the ETP installed at M/s Mitra Spinning Mills Pvt. Ltd., Sonepat (Haryana)	M/s Mitra Spinning Mills Pvt. Ltd., Sonepat (Haryana)	01 month	March, 2020	**25,000**
2.	Dr. Somvir Bajar	Performance Assessment Report for the ETP installed at M/s Shanti Home Tex, Panipat (Haryana)	M/s Shanti Home Tex, Panipat (Haryana)	02 Month	March, 2020	**25,000**

INTERNAL REVENUE GENERATED

Sr.No.	Name of Project/ Consultancy	Amount(in Lacs)
1.	Adequacy and Performance Assessment Report for the ETP installed at Individual Industries	0.5

Faculty of Liberal Arts and Media Studies (FLAMS)

Journalism and Mass Communication
Animation and Multimedia
Literature and Language

DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

Language and Literature emerged as part of Faculty of Humanities and Sciences. The section is now a part of Faculty of Liberal Arts and Media studies that incorporates the strengths of Journalism and Mass Communication, and Animation and Multimedia. It offers an academically stimulating atmosphere that encourages a spirit of inquiry informed by contemporary literary and socio-cultural concerns.

JMC program has now the strength, vigour and potential to step in as an exciting opportunity in terms of an academic choice and career especially for students with innate creativity and the flair to do something new and unconventional.

JMC Department has modern facilities like Language and media labs and apt/latest equipment to teach all the practical aspects of the course. Also, a dedicated teaching and technical staff to support the academic programs and research

DEPARTMENT PROFILE

UG Course: BAJMC

PG Course: MAJMC

Ph.D. : Nil

Target Students: For BAJMC : All Senior Secondary students of any discipline

For MAJMC: All graduate students across disciplines

Total Number of Faculty: 4 + 1=5

Number of Ph.D.'s: Nil

Average Experience of faculty: 8 yrs

Chairperson: Prof. (Dr.) Atul Mishra

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	Photography Lab Videography lab Computer lab(MAJMC & BAJMC) Language Lab (Shared under FLAMS)
2	Workshops	For Coral/ Frontpage etc. under Journalism and Mass Communication.
3	Lecture Halls	Property of FLAMS.
4	Conference Room	- No separate room.
5	Seminar Halls/Projector Rooms/Research Lab	Computer lab/ Shared Smart Class room under FLAMS.
6	Internet Connection	Yes, Computer Lab is equipped with internet facility which is a central facility is maintained by FLAMS.
7	Any Other Facility	Studio is under construction. Smart Classroom.

Faculty of Liberal Arts and Media Studies (FLAMS) also sponsors its faculty for Short Term Courses and Conferences on regular basis. Ms. Alka Rawat, Assistant Professor at the department has started her PhD-Interdisciplinary under FLAMS.

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Dr Taruna Narula	Assistant Professor	Ph.D	Communication/Print Media	7 years in academics and 2 + in Industry
2	Dr. Subhash Chand Goel	Assistant Professor	Ph.D	Electronic Media & Media Research	15 years
3	Ms. Alka Rawat	Assistant Professor	MA (NET), Ph.D Scholar	Ad & PR and Communication	7 years in academics and 4+ in Industry
4	Dr. Sonia Hooda	Assistant Professor	Ph.D	Communication and Print Media	08 years

DEPARTMENTAL PUBLICATIONS & FDP/STC(Academic year 2019-2020)

Sr. No.	Particulars	Count (2018-19)
1	Publications in International Journals	Nil
2	Publications in National Journals	0
3	Publications in International Conference	0
4	Publications in National conferences	0
5	STC/FDP	1

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

S.No.	Name of Activity	Title	Dates
1	Special Session – Google News Imitative	Fact verification session with Mr. Nimish Kapoor	April 29,2020
2	Four days Webinar series	"Samvaad"	June 15-18, 2020
3	E-Series of testimonial of faculties and students	JCBOSE initiates during Pandemic	Month of April-May
4	Special Session – Google News Imitative	"Cinema VS Web series challenges and opportunities" A panel discussion with Jaideep Ahlawat and Dr Pawan Singh Malik	June 14,2020
5	E-Panel Discussion	World Press Day-2020	May 3,2020
6	Webinar	Truth about Indo-China-Pakistan Border Issue	June 15, 2020
7	Webinar	Interactive Career Councelling	June 23-26,2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED(Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
1.	Ms. Alka Rawat	One week Workshop on Research Methodology For Physical Sciences and Engineering	Programme organised by MDU, Rohtak	May 11, 2020	May 17, 2020
2.	Ms. Alka Rawat	Two week SWAYAM MOOC titled Digital Transformation in Teaching Learning Process	TEQIP (Funded by the Ministry of HRD, Govt. of India)	April 6, 2020	April 20, 2020

3.	Ms. Alka Rawat	Online Workshop- Exploring eResourses through JCBOSEUST eLiberery Platform	Pt Deendayal Upadhyay eLibrary, JCBOSEUST, YMCA	July 17, 2020	July 17, 2020
4.	Ms. Alka Rawat	National Webinar- Learning Basics of Publishing in High Quality Journals	R&D Cell along Pt. Deen Dayal Upadhyay Central Library JCBOSEUST in collaboration with Elsevier	July 21, 2020	July 21, 2020
5.	Dr. Sonia Hooda	Basic Computer Skills and ICT Tools "Google Classroom"	Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad	July 10,2020	July14, 2020.
6.	Dr. Sonia Hooda	Women in Higher Education: Issues and Challenges during Corona Pandemic	Guru Angad Dev Teaching Learning Centre SGTB, Khalsa College University of Delhi	May 27, 2020	
7.	Dr. Sonia Hooda	Five day online International workshop on Skill Development through Communication Skill	Organised by community college, Gujranvala Guru Nanak Khalsa College, Ludhiana Punajb	April 27,2020	May 1, 2020
8.	Dr. Sonia Hooda	Three week online course on Teach the Teacher using Flipped Classroom	Organised by Thakur shyamnarayan college of Education and Research and the course was	April 22 ,2020	May 15, 2020

			develop and implementation in the scope of OE4BW Program		
9.	Dr. Sonia Hooda	One week online FDP on Research in Modern Era	Department of Mechanical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad	June1, 2020	June 5, 2020
10.	Dr. Sonia Hooda	7 Days Interdisciplinary Online National Level Faculty Development Programme on "Advances in Research Methodology and Data Analysis".	Programme organised by Department of History, Faculty of Social Science, CH. BANSI LAL UNIVERSITY	May 14, 2020	May 20, 2020
11.	Dr Taruna Narula	Online FDP on Green Technologies & Environmental Sustainability (GTES-2020)"	Department of Environment Science and Civil Engineering Department ,JCBose UST,YMCA	July 17,2020	July 17,2020
12.	Dr. Subhash Chand Goel	3D Printing & Design	ATAL-AICTE	Jan 20, 2020	Jan 24, 2020
13.	Dr. Subhash Chand Goel	Case Teaching and Case Writing	IIT-Delhi	Jan 3, 2020	Jan 7, 2020
14.	Dr. Subhash Chand Goel	E-learning in Time of Crisis	AMIC	April 3, 2020	April 3, 2020

| 15. | Dr. Subhash Chand Goel | Practical Writing tips to get your research published | AMIC | May 5, 2020 | May 5, 2020 |

INVITED TALKS/LECTURES DELIVERED(Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic of delivery	Venue	Date
1.	Dr. Taruna Narula	**Mise en Scene** at DAV Centenary College, Faridabad, Haryana.	DAV Centenary College, Faridabad, Haryana.	Feb 6, 2020
2.	Dr. Subhash Chand Goel	New 3 Farmer Law-2020	Panchnadh Sodh Sansthan, CHD	Oct 26, 2020

GATE/ CAT/ OTHER EXAM QUALIFIED STUDENTS 2019-2020

Sr. No.	Name of Exam	Year	Count of Qualified Students
1	NET Exam qualified by MA(JMC) student	2019	1

TRAINING PROGRAMMES HELD FOR STUDENTS

Date	Name of Activity	Number of Participants
June 23-26, 2020	Career Counseling Webinar Series	100

AWARDS/PRIZES WON STUDENTS/FACULTY DURING THE YEAR

Sr. No.	Title of the Award	Name of the Awardee	Awarding Agency	National/ International
1	Media Campaign Designer	Dr. Subhash Chand Goel	Faridabad Literary & Cultural Centre, 2019	National, 2019

Animation and Multimedia

Animation and Multimedia emerged as part of Faculty of Department of Computer Applications. This Section is now a part of Faculty of Liberal Arts and Media studies that incorporates the strengths of Journalism and Mass Communication, and Language and Literature and Multimedia. Animation and Multimedia program has now the strength, vigour and potential to step in as an exciting opportunity in terms of an academic choice and career especially for students with innate creativity and the flair to do something new and unconventional. This degree provides a solid foundation in core Graphic and Multimedia, Creative Visualization and animation and film production skills.

PROFILE (Animation and Multimedia)

UG Course: **B.Sc. Animation and Multimedia**

PG Course: **No**

Ph D: **No**

Target Students: For admissions: All 12 and equivalent students any disciplines for B.Sc. Animation and Multimedia.

Total Number of Faculty: **2+1= 3**

Number of Ph.D.'s: 0

Average Experience of faculty: 7 years

Chairperson: Prof. Dr. Atul Mishra

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	Graphics and Animation lab (40 Computers)with Light Box (Equipment for Traditional Animation) and High-End Computing Lab (40 High-end Workstations)
2	Workshops	Property of FLAMS.
3	Lecture Halls	Property of FLAMS.
4	Conference Room	No separate room.
5	Seminar Halls/Projector Rooms/Research Lab	Both (Graphics and Animation lab and High-End Computing Lab) Labs have Projector / Shared Smart Class room under FLAMS.
6	Internet Connection	Yes, Both (Graphics and Animation lab and High-End Computing Lab) Labs are equipped with internet facility which is a central facility is maintained by FLAMS.
7	Any Other Facility	Studio is under construction. Smart Classroom.

Faculty of Liberal Arts and Media Studies (FLAMS) also sponsors its faculty for Short Term Courses and Conferences on regular basis.

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Sh. Aditya Kumar	Assistant Professor	M.Sc.	Visual Effect and Film Making	7
2	Sh. Arko Dey	Assistant Professor	MFA	Graphics and 2D animation	7

DEPARTMENTAL PUBLICATIONS & FDP/STC (Academic year 2019-2020)

Sr. No.	Particulars	Count (2018-19)
1	Publications in International Journals	0
2	Publications in National Journals	0
3	Publications in International Conference	0
4	Publications in National conferences	0
5	STC/FDP	0

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1	Photography competition	Destination Photography competition at Surajkund Mela(Faridabad)	13 February 2020
2.	Webinar Series	4-day Career Counselling Webinar Series	June 23-June 26, 2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED (Academic year 2019-2020)

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date From	Date To
1	Sh. Aditya Kumar	Graphics & Animation for Instructional Material Development NITTTR	Department of Computer Application	11.02.2019	15.02.2019
2	Sh. Aditya Kumar	STC in Communication Skills in alliance with NITTTR	Language and Literature	15.04.2019	19.04.2019
3	Sh. Arko Dey	STC in Communication Skills in alliance with NITTTR	Language and Literature	15.04.2019	19.04.2019

INVITED TALKS/LECTURES DELIVERED (Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic of delivery	Venue	Date
1.	Sh. Makrand Joshi	Acting for Animation	Graphics and Animation Lab	18.0.2020
2.	Sh. Sandeep (Industry Expert)	Package Designing	Graphics and Animation Lab	16.10.2020

TRAINING PROGRAMMES HELD FOR STUDENTS

Date	Name of Activity	Number of Participants
June 11, 2020	3D Animation Workshop	75

Language and Literature

Language and Literature emerged as part of Faculty of Humanities and Sciences. The section is now a part of Faculty of Liberal Arts and Media studies that incorporates the strengths of Journalism and Mass Communication, and Animation and Multimedia. It offers an academically stimulating atmosphere that encourages a spirit of inquiry informed by contemporary literary and socio-cultural concerns.

<div align="center">

PROFILE (Literature and Languages)

</div>

UG Course: A spectrum of foundation, elective and audit courses offered in various semesters across disciplines/branches of the university.

PG Course: MA(English)

PhD: English/ ID

Target Students:

For teaching: All BTech/BJMC students enrolled in the university for the first year; All MA (English) students.

For admissions: All graduate students across disciplines for MA (English).

Total Number of Faculty: 2+4= 6

Number of Ph.D.'s: 2

Average Experience of faculty: 4 years

Chairperson: Professor Atul Mishra

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	Language Lab facility FLAMS' Graphics and Animation lab and Online Labs for Research content; Credits: 8 Semester I: Graphic Novel Writing Semester II: Visual Arts in Europe Semester III: Research lab
2	Workshops	For Coral/ Frontpage etc. under Journalism and Mass Communication.
3	Lecture Halls	Property of FLAMS.
4	Conference Room	No separate room.
5	Seminar Halls/Projector Rooms/Research Lab	Language Lab/ Shared Smart Class room under FLAMS.
6	Internet Connection	Yes, Language Lab is equipped with internet facility which is a central facility is maintained by FLAMS.
7	Any Other Facility	Studio is under construction. Smart Classroom.

Faculty of Liberal Arts and Media Studies (FLAMS) also sponsors its faculty for Short Term Courses and Conferences on regular basis.

Currently, 4 students are enrolled under the PhD programme (Literature and Languages).

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Dr Divyajyoti Singh	Associate Professor	PhD 2011	Literature: Herman Melville (19th century American Literature)	14 years
2	Dr Reena Grewal	Assistant Professor	PhD2015	Literature	3 years

DEPARTMENTAL PUBLICATIONS & FDP/STC(Academic year 2019-2020)

Sr. No.	Particulars	Count (2018-19)
1	Publications in International Journals	2
2	Publications in National Journals	0
3	Publications in International Conference	0
4	Publications in National conferences	0
5	STC/FDP	1

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1.	Divyajyoti Singh	" **Natives' Naivety vis-a-vis Settler's Skepticism and Bible's Belief: Restoring, 're-storying' theNative Ceremony in Silko's** *Ceremony.* Volume 11, Number 2, July-September, 2019.*Rupkatha Journal on Interdisciplinary Studies in Humanities* [Co-authors: Babita Devi and Satinder Kumar Verma]E-ISSN 0975-2935 I Indexed by Web of Science, Scopus, ERIHPLUS, EBSCO, UGC http://rupkatha.com/v11n206/

	" **Re-Storying" to Reverse the Game of Silence: Louis Eldrich's Narrative Rescue from Reductive Western Discourses***". IUP Journal of English Studies.* [Co-author: Virender Pal, KUK; SCOPUS] https://www.questia.com/library/journal/1P4-2311523320/re-storying-to-reverse-the-game-of-silence-louise September 2019

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1	Webinar Series	4-day Career Counselling Webinar Series	June 23-June 26, 2020
2.	Poetry competition	FLAMS Poetry Competition	June 6-10, 2020
3.	Visual arts in Europe	VAE: An introduction to the panorama	February 4, 2019
4.	Orientation Programme	_	_

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED(Academic year 2019-2020)

S.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	**To**
1	Week-long STC in Communication Skills org. NITTTR in alliance with Literature and Languages wing of FKLAMS-JC BoseUST.	STC in Communication Skills	Literature and Languages, FLAMS	July 1, 2019	July 5, 2019
2	Week-long STC in Language Lab	Language Lab Applications for Communication Skills	Literature and Languages, FLAMS	April 15, 2019	April 19, 2019

INVITED TALKS/LECTURES DELIVERED(Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic of delivery	Venue	Date
1.	Dr Divyajyoti Singh	**a)Logical Fallacies in Media** at BPS Mahila University, Khanpur Kalan. Refresher course in Law, Human Rights and Social Transformation (Interdisciplinary -ID) held from December 5, 2019 to December 19, 2019. **b) 12thSir Chhotu Ram Memorial Lecture** at DAV Centenary College, Faridabad, Haryana. c)A Historical Perspective on Shakespeare's *Merchant of Venice*	**Academic Staff College, UGC- RC programme** in ID studies at HRDC-BPS Women's BPS University, Khanpur Kalan, Sonepat. DAV Centenary College, Faridabad, Haryana. Aggarwal PG College, Ballabgarh.	a) December 6, 2019. b) January 16, 2020 c) February 20, 2020

FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS etc.

Sr. No.	Name of Faculty	Details
1.	Divyajyoti Singh	Editorial Board, *Ad litteram* (English Language Journal)

GATE/ CAT/ OTHER EXAM QUALIFIED STUDENTS 2019-2020

Sr. No.	Name of Exam	Year	Count of Qualified Students
1	NET Exam qualified by MA(JMC) student		1

TRAINING PROGRAMMES HELD FOR STUDENTS

Date	Name of Activity	Number of Participants
May 24, 2020	Seminar	9

TRAINING PROGRAMMES HELD FOR FACULTY AND STAFF

Date	Name of Activity	Number of Participants
July 1-5, 2019	STC in Communication Skills in alliance with NITTTR	30

CANDIDATE COMPLETED/DOING PH.D.

Sr.No.	Name of the Supervisor	Name of the Ph.D. Scholar	Mode of Ph.D. (Full Time/ Part Time)	Date of Registration	Research Topic	Availing Fellowship Yes/No
1.	Dr Divyajyoti Singh	Ms Nasib Kumari(English) Ms Babita Devi(English) Ms Mamta Singla(English) Ms Alka Rawat (ID)	3 Full-time and 1 Part Time scholar	Nasib: Wef. 1 August 2017 Babita: Mamta: Alka:	Ms Nasib: Partition of India: Representative Narratives and Discursive Politics Ms Babita: Reclaiming Native Culture and Identity: A Study of select Works of Leslie Marmon Silko. Ms Mamta: Logical Fallacies, Propaganda and Discourse in George Orwell 's *Animal Farm* and *1984* Ms Alka: to be finalized.	No

DEPARTMENT OF

MANAGEMENT STUDIES

DEPARTMENT OF MANAGEMENT STUDIES

The Department of Management Studies aims to promote academic growth by offering high quality PG and Doctoral programs. The department was established in 2008. It offers MBA with specialization in Finance, Marketing and Human resource management with intake of 60 students. The doctoral program was started in 2011.The department has well educated and research oriented experienced faculty members. The department has modern and well equipped infrastructure facilities.From session (2017-19) the department has introduced MBA (retail, e commerce, supply chain and Travel & Tourism). The intake of students in this program is 60 students. From session (2018-19) the department has introduced BBA (Gen) with intake of 60 students.

From this session (2019-20) the department has introduced MBA Executive, the classes for this are conducted on weekends.

From March 2020 department is member of AIMA (All India Management Association) and AMDISA (Association of Management Development Institutions in South Asia).

DEPARTMENT PROFILE

UG Course: BBA

PG Course: MBA, MBA Executive

Ph.D.:   Management Studies

Target Students: ForMBA, open for all graduates through Entrance Test. For BBA open for all 12th pass students. For MBA Executive, open for all graduates with one year work experience.

Total Number of Faculty: 09 (01 Professor + 02 Associate Prof. + 06 Assistant Prof.) and six assistant professors (contractual) faculties and three adjunct professors.

Number of Ph.D.'s: 11

Average Experience of faculty: 12 years

Chairperson: Dr Ashutosh Nigam

DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	01
2	Workshops	Nil
3	Lecture Halls	03
4	Conference Room	01
5	Seminar Halls/Projector Rooms/Research Lab	Lecture hall and conference room cum research lab are having projector
6	Internet Connection	Internet facility for staff and students
7	Any Other Facility	Staff provided with Laptop/Desktop

FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1.	Dr. Ashutosh Nigam	Professor	Ph.D. (2005)	Marketing and IT	18
2.	Dr. Manisha Goel	Associate Professor	Ph.D. (2008)	Consumer Behavior and Finance	21
3.	Dr. Rachna Agrawal	Associate Professor	Ph.D. (2009)	Finance and behavioral studies	17+
4.	Dr. Rupali Madan	Assistant Professor	Ph.D. (2019)	Marketing	14
5.	Dr. Anushree Chauhan	Assistant Professor	Ph.D. (2019)	Human Resource	12
6.	Dr. Neha Goyal	Assistant Professor.	Ph.D. (2017)	Finance	12
7.	Ms. Jyotsana Chawla	Assistant Professor	M Phil. (2006)	Finance	13
8.	Dr.Rajiv Sindwani	Assistant Professor	PhD. (2017)	Service Quality	15
9.	Dr. Renu Aggarwal	Assistant Professor	Ph.D. (2011)	Finance	17
Contractual Faculty					
1.	Dr Sapna Taneja	Assistant Professor	PhD(2015)	Human Resource	5
2.	Dr Arti*	Assistant Professor	PhD (2019)	Human Resource	4
3.	Ms Zoha Asghar	Assistant Professor	MBA 2016	Finance, Machine Learning	1

4.	Dr Gunjan Gumber	Assistant Professor	Ph.D. (2018)	Marketing	10
5.	Mr Aniruddh Vijay	Assistant Professor	M.Phil. (2015)	Insurance and Marketing	4
6.	Mr Vikas Kumar	Assistant Professor	MBA (2014)	Start-ups and Entrepreneurship	5.5
	Adjunct Faculty				
1.	Dr(Prof) Suresh Bedi	Adjunct Faculty	PhD (1987)	International Business	45
2.	Dr (Prof) Rakesh Jain	Adjunct Faculty	PhD (2012)	Communication	42
3.	Mr. Ved Prakash	Adjunct Faculty	MBA,MS (2015)	Marketing Management	24

*Dr Arti was with the department for one semester only

DEPARTMENTAL PUBLICATIONS & FDP/STC (Academic year 2019-2020)

Sr. No.	Particulars	Count (2019-20)
1	Publications in International Journals	07
2	Publications in National Journals	Nil
3	Publications in International Conference	03
4	Publications in National conferences	01
5	STC/FDP	25 (Attended by faculty members), 03FDPs (conducted by the department)

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1.	Dr. Neha Goyal	A Comparative Study On Old and New Personal Income Tax Regime(Announced in Budget 2020-21), Journal of Interdisciplinary Cycle Research, Volume XII, Issue VII, Pg 1058-1070, July/2020
2.	Dr Manisha Goel, Neelam Goyal	An Analysis of impact of FDI on small Retailers, Pacific Business Review International, ESCI, Web of Science, Volume 11, Issue 06, Dec 2019
3.	Dr Manisha Goel, NidhiAggarwal	An Analysis of HR aspects of Merger and Acquisition in Banking Sector, Pacific Business Review International, ESCI, Web of Science, Volume 12, Issue 10, April 2020
4.	Dr Manisha Goel, Dr Ruchi Mangla	Impact of Financial Leverage on Dividend in case of Private Indian Banks, Pacific Business Review International, ESCI, Web of Science, Volume 12, Issue 12, June 2020
5.	Dr Rupali Madan & Dr. Rachna Agrawal	A study of effects of Relationship Marketing Strategies on customer satisfaction: Public and Private Sector banks in India, Pacific Business Review International, ESCI, Web of Science Volume 12 issue11, May 2020,pp 92-101.
6.	Mittal S, KrishanGarg, Renu Aggarwal	A paper published in "Journal of Financial Crime" Scopus indexed and ABDC ranked Emerald publication titled "a Comparative study of retail Banking Practices in Compliance with Regulatory Standard". July 2019

7.	Aniruddha Vijay	Exploring the Dynamic Linkages between Social Media and Present Marketing Practices, International Journal of Customer Relations, Vol. Issue: 7 (1); Pages: 27-36; Year: 2019

PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

(Academic year 2019-2020)

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1.	Dr. Rachna Agrawal	Green Finance in Indian Context – A Review 11-12 October, 2019Innovative Research in Language, Science and Management- Two-day National Conference Sponsored by NAAC, DAVCC, FBD
2.	Dr. Rachna Agrawal	A study of green bond market in India: A critical review 06-10 January, 20208th International Symposium on Fusion of science & Technology (ISFT 2020), JCBUST, FBD
3.	Dr. Rachna Agrawal	An empirical Investigation of B&S model in pricing of Index Nifty 50, International Management Conference -2020, GLAU, UP
4.	Ms Aishwarya, Dr Manisha Goel & Dr Rajiv Sindwani	E-wallet Transforming Business in Digital Era at Two Days International Conference INCONSYM 2020 held at Symbiosis Centre For Management Studies, Noida from 21-22 Feb, 2020
Papers presented in conference		
5.	Dr Ashutosh Nigam	A Systematic Review of Outcome Based Learning in Higher Education in International conference on Achieving Excellence in Higher Education, held on 4-5 January 2020

6.	Ms Minakshi Sharma, Dr Manisha Goel & Dr Rajiv Sindwani	Consumer Behaviour towards Organic Personal care Products at Two Days International Conference INCONSYM 2020 held at Symbiosis Centre For Management Studies, Noida from 21-22 Feb, 2020
7.	Ms Manisha and Dr Manisha Goel	Adoption of Online shopping of Consumer Electronic products at Two Days International Conference INCONSYM 2020 held at Symbiosis Centre For Management Studies, Noida from 21-22 Feb, 2020
8.	Dr Manisha Goel and Dr Ruchi Mangla	Relationship between financial leverage and dividend of banks in India at Two Days International Conference INCONSYM 2020 held at Symbiosis Centre For Management Studies, Noida from 21-22 Feb, 2020
9.	Dr Anushree Chauhan, Dr Manisha Goel & Dr Ritu Arora	Factors affecting motivation of Academicians of higher Education at Two Days International Conference INCONSYM 2020 held at Symbiosis Centre For Management Studies, Noida from 21-22 Feb, 2020

WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

(Academic year 2019-2020)

Sr.No.	Name of Activity	Title	Dates
1.	Grand finale of EFG workshop in association with WEC and msme on August 31, 2019 by Dr Renu	Grand finale of EFG workshop	31.08. 2019
2.	Industrial Visit	Industrial visit to Indian Oil Lube Blending Plant, Asaoti	04.09.2019
3.	Security Concerns in using Digital Banking Products	Dr. Dinesh Gupta, Retd. Manager, Head office PNB	04.09.2019
4.	Expert lecture on Nature of futuristic jobs	CA (Dr.) Aman Chugh, who is known as Father of Financial Planning, Portfolio Management and Derivatives,	6.9.2019
5.	Seminar on Entrepreneurship Orientation	Sh. Rajesh Kumar, DGM cum Centre Head, NSIC Technical Centre, Neemka, Faridabad	17.9.2019
6.	Expert lecture on Knowledge management	Mr Avinash Bansal IAS officer(alumnus of JCBUST,YMCA)	18.09.2019
7.	FDP coordinated by Dr Manisha Goel and Dr Anushree Chauhan	Innovative Teaching Methodologies in Technical Education	24.09.2019 to 28.09.2019
8.	Expert lecture on International Financial Markets	CA (Dr.) Aman Chugh, who is known as Father of Financial Planning, Portfolio Management and Derivatives	30.9.2019

9.	Expert lecture by Aditya Punjabi coordinated by Dr Manisha Goel	ERP	5.10.2019
10.	Expert Lecture by Rishek Kr From BSE coordinated by Dr Manisha Goel	Financial literacy	10.10.2019
11.	Expert lecture by Navneet Sota coordinated by Dr Manisha Goel	Digital marketing	14.10.2019
12.	Wealth Management	Mr. Jayant Kwatra, Sanguine Capital	15.10.2019
13.	Industrial Visit to BSE Institute organized by Dr Manisha Goel	Industrial Visit to BSE Institute	22.10.2019
14.	Alumni Meet organized by Dr Manisha Goel and Ms Zoha Asghar	Alumni Meet	23.11.2019
15.	Expert Lecture on Tally	Mr. Sandeep Rov	13.11.2019
16.	Academia – Industry Meet	Academia – Industry Meet	16.11.2019
17.	Business Meet coordinated by Dr Rupali and Ms Jyotsana	Business Meet	23.11.2019
18.	FDP with IILM, Gurugram, coordinated by Dr Manisha Goel, Ms. Jyotsana and Dr Neha	Advanced & Innovative Approaches in Management Education	25.11.2019 to 29.11.2019
19.	Intra-Department PowerPoint Presentation Competition by Marketing Club, El Marc by Dr. Gunjan and Mr. Vikas Kumar	PowerPoint Presentation Competition	04.12.2019
20.	Expert lecture on 'Productivity, Cost and Quality Challenges in the	Dr. J. S. Juneja Chairman- MSME Committee & Past President	30.01.2020

	MSME Sector'	AIMA; Chairman, Global Projects & Services Pvt. Ltd Mr. Bhushan Khatri, Managing Director, Chitra Rubber Udyog & President, Laghu Udyog Bharti Mr. K.D. Bhardwaj, Director, National Productivity Council Mr. J.P Malhotra MD, Bharat Valves P. ltd & President, DLF Industries Association Dr. R.N. Bosu Chairman, Neo Institue of Quality Management	
21.	Challenges of International Banking	Mr. Rakesh Sethi, Chairman, VishwaParkash Mission	4.02.2020
22.	Inter-College Competition by Marketing Club, El Marc by Dr. Gunajn and Mr. Vikas Kumar	MAC- 20	20.02.2020
23.	One day work shop in online mode coordinated by Dr Renu	Program Objectives and course outcomes by Dr Sandeep Grover	07.05.2020
24.	Webinar on Entrepreneurship and Startups	Mr.Masoom,Pricewaterhouse Coopers, IIT Roorkee & IIM A Alumni	01.05.2020

25.	Online FDP coordinated by Dr Rupali Madan and Ms Jyotsana Chawla	Advance Research Methods	08.06.2020 to 12.06.2020

STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED (Academic year 2019-2020)

Name of Faculty	Name of STC/ FDP	Organized by	Date	
			From	**To**
All faculty members	Digital Transformation in Teaching Learning Process	IIT, Bombay	6.04. 2020	22.04. 2020
All faculty members	Advance Research Methods	JCBUST, YMCA, Faridabad	8.06. 2020	12.06. 2020
All faculty members	Advance and Innovative Approaches in Management Education	J.C. Bose University of Science and Technology, YMCA, Faridabad	25.11. 2019	29.11.2020
All faculty members	Innovative Teaching Methodologies in Technical Education	JCBUST, YMCA, Faridabad	24.09.2019	28.09. 2019
Dr. Ashutosh Nigam, Dr Anushree Chauhan, Dr Neha goyal, Dr Renu Aggarwal, Zoha asghar	Short Term Course Case Teaching and Case Writing	IIT Delhi	3.01.2020	7.01.2020
Dr. Rupali Madan, Dr Anushree, Dr Renu, Dr. Neha	Learning Basics of Publishing in High Quality Journals	J C Bose University of Science and Technology, YMCA, Faridabad	20.07.2020	20.07.2020
Dr Manisha Goel, Dr Sapna, Dr Anushree, Dr Renu, Mr. Anirddh Vijay, Mr. Vikas Kumar, Ms. Jyotsana Chawla, Dr Rupali	Participated in International Sym osi um on COVID 19 and beyond: The new normal in HEI	J C Bose University of Science and Technology, YMCA, Faridabad	10.06.2020	10.06.2020

Dr. Rachna Agrawal	FDP on Qualitative Research Methods	SVS University	28.04.2020	04.05.2020
Dr. Gunjan	Qualitative Research Using Nvivo	Research Shiksha	2.04. 2020	10. 04.2020
Dr. Gunjan	'Effective and Efficient Online Teaching in the Age of Corona, A Hands on Workshop'	IIT – Bombay	15. 05.2020	17.05. 2020
Dr. Gunjan	Managing Online Classes and co-creating MOOCS:2.0	Teaching Learning Centre, Ramanujan College, University of Delhi	18 .05. 2020	03 .06. 2020
Dr. Gunjan	Systematic Review and Meta-Analysis	Research Shiksha	1 .06.2020	05.06. 2020
Dr. Gunjan	Case-writing Workshop	Shri Vishwakarma Skill University, Palwal	Part I 2 .06. 2020 Part 2 20 .06. 2020	3.06.2020 21.06. 2020
Dr. Gunjan	Teaching with Simulations Workshop	SP Jain Institute of Management and Research, Mumbai	25.06.2020	27.06. 2020
Mr. Vikas Kumar	Academic Leadership	Shri Vishwakarma Skill University, Palwal	30.04.2020	30.04.2020
Mr. Aniruddh Vijay	Data Analysis using R Studio	RDIAS, New Delhi	19.10.2019	19.10.2019
Dr. Ashutosh Nigam	8th International Symposium on Fusion of Science & Technology, ISFT 2020	J.C. Bose University of Science & Technology, YMCA, Faridabad	6 .01.2020	10.01. 2020

Dr. Ashutosh Nigam	FDP Research in Modern Era	J.C. Bose University of Science & Technology, YMCA, Faridabad	1.06.2020	5.6.2020
Dr. Ashutosh Nigam	An Insight into Revised Accredition Framework of NAAC	J.C. Bose University of Science & Technology, YMCA, Faridabad	12.2.2020	12.2.2020
Dr. Renu Aggarwal	Attended one day NPTEL workshop	IIT Madras	31.01. 2020	31.01. 2020
Dr. Renu Aggarwal	Online refresher course in Economics" by NPTEL exam held in Feb 2020.	NPTEL	Sept.2019	Feb 2020
Zoha Asghar	R for Beginners	Online, ISBR Academy	10/06/2020	12/06/2020
Zoha Asghar	Deep Learning and its Application	EICT Academy, IIT ROORKIE	11/05/2020	20/05/2020
Zoha Asghar	NPTEL Workshop on MOOCS	J.C. Bose University of Science and Technology, YMCA, Faridabad	31/01/2020	31/01/2020
Dr. Neha Goyal	Internet of Things	Department of Computer Engineering, JCBoseUST	20.09.2019	21.09.2020

INVITED TALKS/LECTURES DELIVERED (Academic year 2019-2020)

Sr. No.	Name of Faculty	Topic of delivery	Venue	Date
1.	Dr. Renu Aggarwal	BBA (Gen) and BBA (CAM) expert lecture on Effective financial statement analysis	Aggarwal College Ballabgarh (SFS Wing)	25.01.2020
2.	Dr. Renu Aggarwal	MA Economics students talk on Financial institutions and markets	Aggarwal College Ballabgarh (SFS Wing)	23.08. 2019
3.	Dr. Ashutosh Nigam	Business Research	NGF College of Engineering and Technology	27.2.2020
4.	Dr. Ashutosh Nigam	Conference Session Chair in International conference on Achieving Excellence in Higher Education	Deen Dayal Upadhaya College Dwarka, New Delhi	Jan 4-5 , 2020
5.	Dr. Ashutosh Nigam	Conference Session Co chair in 8th International Symposium on Fusion of Science and Technology (ISFT-2020)	J.C. Bose University of Science & Technology, YMCA, Faridabad	6-10 January 2020
6.	Dr. Manisha Goel	Conference session chair in International conference-Business Transformation in Global Digital Era: Re-innovate, Re-strategies, Re-model, INCONSYM 2020 held at Symbiosis, Noida in Feb 2020 in association with Aston India Centre for Applied Research, Aston University, UnitedKingdom.	SYMBIOSIS center for management studies, NOIDA	21-22nd Feb 2020

FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS etc.

Sr. No.	Name of Faculty	Details
1.	Dr Ashutosh Nigam	Reviewer of Global Journals USA
2.	Dr Ashutosh Nigam	Advisory Board of IJ360MR Journal
3.	Dr Ashutosh Nigam	Advisory Board of Anvesha Journal
4.	Dr. Rachna Agrawal	Reviewer, Horizon Research publishing corporation, USA
5.	Dr. Rachna Agrawal	Reviewer Premier publisher
6.	Dr. Manisha Goel	Reviewer, Palgo Journal, Nigeria.
7.	Dr Manisha Goel	Reviewer, International Journal of Organizational Analysis, Emerald
8.	Dr Manisha Goel	Reviewer, International Journal of Business and Globalization, Inderscience
9.	Dr Anushree Chauhan	Reviewer, International Journal of Organizational Analysis, Emerald

CANDIDATE COMPLETED/DOING PH.D.

Sr. No.	Name of the Supervisor	Name of the Ph.D. Scholar	Mode of Ph.D. (Full Time/ Part Time)	Date of Registration	Research Topic	Availing Fellowship Yes/No
1	Dr. Rachna Agrawal	Rajesh Kumar	Part Time	July, 2011	Determining the efficiency of the Black & Scholes Model in pricing of Nifty stock options after addressing the negative cost of carry problem	NO
2	Dr Renu Aggarwal	Monika	Part time	09-04-2013	Technology adoption in developing economies: an aspect of mobile banking among Indian youth.	No
3	Dr. Rachna Agrawal	Jyotsana Chawla	Part Time	27-04-2012	FDI in Retail Sector: A critical study of Indian Retail Market	No
4	Dr. Manisha Goel	Himanshu	Part Time	09-04-2013	Relationship between emotional intelligence, job performance and life satisfaction in service sector	No
5	Dr.Renu Aggarwal	Jalbir Singh	Part Time	01-08-2017	Performance Analysis of State Run Skill Development Programmes in Haryana	No
6	Dr. Manisha Goel	Manisha	Full Time	24-05-2018	"Diffusion of innovation" in online shopping: An empirical study of consumer electronic products in NCR	Yes
7	Dr. Manisha Goel	Minakshi Sharma	Full Time	14-08-2018	Consumer buying behaviour towards organic personal care products	Yes

8	Dr Rachna Agrawal	Ashima Verma	Full Time	16-07-2019	A financial analysis of pre and post merger and acquisition in the pharmaceutical sector	Yes
9	Dr Rajiv Sindwani	Ashwarya	Full Time	16-07-2019	An empirical investigation of mobile wallet service quality	Yes
10	Dr Rajiv Sindwani	Neeraj Chopra	Part Time	16-07-2019	Service quality investigation in massive open online courses	No
11	Dr Neha Goyal	Savita Rani	Part Time	16-07-2019	Impact of financial literacy on financial planning among women	No
12	Dr Renu Aggarwal	Dolly Mangla	Part Time	16-07-2019	Customer engagement strategies in health insurance industry	No
13	Dr Ashutosh Nigam	Shikha Srivastava	Part Time	16-07-2019	Role of competency skill intervention on change management practices, employee involvement, employee empowerment for employee effectiveness in IT sector	No
14	Dr Ashutosh Nigam	Komal Goyal	Full Time	16-07-2019	Mapping relationship of HRM practices, Psychological ownership, job crafting, organizational citizenship on employee engagement practices in software companies	Yes
15	Dr Ashutosh Nigam	Divy Saini	Part Time	16-07-2019	Implementation challenges for blockchain technology in e-governance projects in India	No

AWARDS/PRIZES WON STUDENTS/FACULTY DURING THE YEAR

Sr. No.	Title of the Award	Name of the Awardee	Awarding Agency	National/ International
1.	Third Position in Online National Level Laughter and Mimicry Challenge	Ruchika Rathi	Shri Vishwakarma Skill University, Palwal	National
2.	Title of the award Hit and Quidditch	Guranshish Bhutra	Career and Counselling cell of JC Bose University of Science and Technology, YMCA, Faridabad	National
3.	ARTH SAMVAD : The Case Study Competition	Varsha	EL MARC: The Marketing Club of Dept. Of Management Studies of J.C.Bose University of Science and Technology, YMCA,Faridabad	National
4.	ARTH SAMVAD : The Case Study Competition	Guranshish Bhutra	EL MARC :The Marketing Club of Dept. Of Management Studies of J. C. Bose University of Science and Technology, YMCA, Faridabad	National
5.	ARTH SAMVAD : The Case Study Competition	Bhawna Garg	EL MARC: The Marketing Club of Dept. Of Management Studies of J. C. Bose University of Science and Technology, YMCA, Faridabad	National
6.	First Position in Blog Writing Competition	Hitesh Kapil	Shri Vishwakarma Skill University, Palwal	National

7.	Third Position in English/Hindi Essay Writing Competition	Hitesh Kapil	DAV Institute of Management	National
8.	Praiseworthy Entry	Hitesh Kapil	www.monomousumi.com	International
9.	Third Position in National Students Seminar on "Skill India Build India"	Anisha Dagar	Shri Vishwakarma Skill University, Palwal	National
10.	First Position in Global Idea Jam And Rs. 5000 cash prize	Pranav Sharma	Shri Vishwakarma Skill University. Palwal	International
11.	Third Position in National Level Dance Competition	Riya	NSS Unit of J.C. Bose UST, YMCA, Faridabad	National
12.	First Prize in Essay Competition	Harshita Chauhan	National Project Construction Limited	National
13.	First position in ARTH SAMVAD : The Case Study Competition	Manisha single	EL MARC: The Marketing Club of Dept. Of Management Studies of J. C. Bose University of Science and Technology,	National

AWARENESS PROGRAM ON NATIONAL EDUCATIONAL POLICY 2020

National education policy 2020 which aims to derive transformal reforms in education, have been launched on 29th July 2020. In this regard, an awareness program have been conducted for university teachers and supporting staff to aquint them with the intended paradigm shift in higher education. Dean, academic affairs, Prof. Vikas Turk explained the context and concept of NEP 2020. Prof. Turk discussed the agenda of NEP – 2020 which aimed to transform India into a vibrant Knowledge society by developing higher order cognitive capacities and also social, ethical and emotional capacities and dispositions. He elucidate that the main focus of NEP 2020 emphasize on making India Global Knowledge Superpower by making education more Holistic, Flexible and Multidisciplinary. The roadmap to implement the guidelines of the policy in university was laid down and for execution of follow the same has been started with inviting suggestions from university stakeholders, deans of faculties, chairpersons of the departments, cell co-ordinators, staff members and students.

COMMUNITY COLLEGE OF
SKILL DEVELOPMENT

COMMUNITY COLLEGE OF SKILL DEVELOPMENT

Principal: Dr. Sanjeev Goyal
Vice Principal: Dr. Rashmi Popli

INTRODUCTION:
The Community College of Skill Development 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. 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.
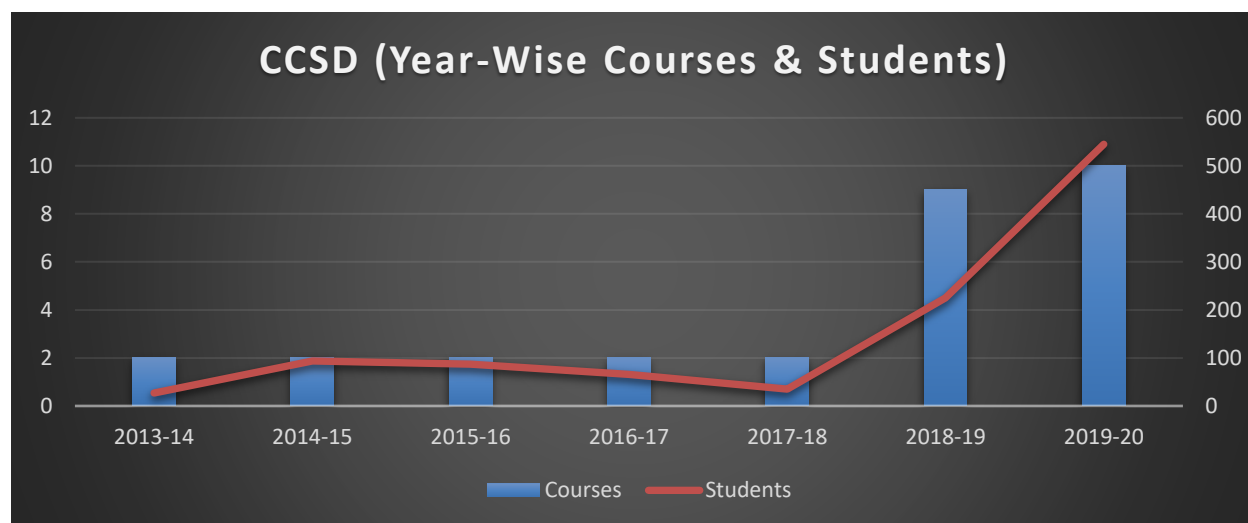
*In session 2020-21 two B.Voc Courses Automotive manufacturing technology and BFSI were approved by AICTE.

Sr. No.	Education/Training Level	Job Role
1.	Certificate	Assistant to Trade Technician
2.	Diploma	Trade Technician Supervisor
3.	Advanced Diploma in Vocation	Trade Shop Supervisor
4.	B. Voc.	Graduate Engineer Trainee/ Training In-charge
5.	P.G. Diploma	AI Chief Data Scientist

COURSES DURING THE YEAR 2019-2020

S.No.	Course with discipline	Duration	Intake	Students Admitted
1.	Diploma in Refrigeration And Air Conditioning	1 Year	50	21
2.	Diploma in Electrical	1 Year	50	21
3.	Diploma in Web Designing	1 Year	50	15
4.	Diploma in Yoga and Naturopathy	1 Year	50	43
5.	B.Voc in Electrical	3 Years	50	15
6.	B.Voc in Manufacturing	3 Years	50	16
7.	B,Voc in Web Development	3 Years	50	24
8.	B.Voc in Automobiles	3 Years	50	19
9.	PG Diploma in Yoga and Naturopathy	1 Year	50	50
10.	PG Diploma in Data Science & Analytics	1 Year	50	13

COURSE CURRICULUM ENRICHMENT

CCSD is following SSC's verified curriculum to meet the requirements of Sector Skill Councils to Ensure Job orientation, add Value of courses and to meet the emerging needs of students & stakeholders.

Courses	Sector Skill Council
Automobile	ASDC
Electrician	NASSCOM
Web Development	CSDC
Manufacturing	ASDC

PLACEMENT DETAILS

Course	Duration	Students admitted	Students passed	Placement
Diploma in Electrician	2018 - 2019	21	15	13
Diploma in RAC	2018 - 2019	35	25	19
Diploma in Yoga and Naturopathy	2018-2019	42	38	30
OJT to B.Voc students	2019-20	--	--	--

MOU SIGNED

Sr.No	Organization	Objective
1	Swastik Kaya Kalp	Workshop, training of Yoga and Naturopathy students
2	Prayas	Skill development programs

EXPERT LECTURES DURING THE YEAR

Sr.No.	Item/Report	Name of Expert	Designation	Association	Date
1	Expert Lecture on Robotics	Mr. Krishan Mohan	Engineer	Vee Gee Industry Faridabad	20.11.2020
2	Expert Lecture motivation	Mr. Vishal Gupta	Relationship and emotional empowerment Coach	--	15th November 2019
3	Webinar on the topic "Data Analytics – HR case study"	Mr. LokeshPaniwal	Data scientist	--	29th June, 2020
4	Expert lecture on Wear in the Materials	Dr. Gurupreet	Assistant Professor	AMITY University	24th February 2020
5	Expert lecture on Metal Forming Process	Mr. Praveen Kumar	Assistant Professor	DITE	14th November 2019

WORKSHOPS DURING THE YEAR

Sr.No.	Item/Report	Name of Expert	Association	Co-ordinator	Date
1	Workshop of CNC Programming	NSIC Neemka Team	CCSD	CCSD TEAM	02nd - 07thMarch 2020
2	Workshop on PLC and Automation	NSIC Neemka Team	CCSD	CCSD TEAM	09th - 13th March, 2020
3	2 days workshop on Refrigeretion&Air conditioning	ISHARE Gurugram	CCSD	Mr. Vimlesh Kr. Ojha	09th-10th Feb, 2020

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INDUSTRIAL VISITS/EVENTS

AFFILIATING COLLEGE

AFFILIATING COLLEGE
LIST OF COLLEGES OF PALWAL AND FARIDABAD
AFFILIATING TO THE UNIVERSITY
(YEAR 2019-20)

1. Aravali College of Engineering & Management, Jasana-Tigaon Road, Jasana, Faridabad.

2. B.S. Anangpuria Institute of Technology & Management, Vill. Alampur, BallabgarhSohna Road, Faridabad

3. *Echelon Institute of Technology, Village-Kabulpur, KheriManjhawali Road, Neharpaar, Faridabad

4. Delhi Institute of Technology, Management & Research, Vill. FirojpurKalan, Sohna Road, Faridabad..

5. Rawal Institute of Engineering & Technology, Sohna Road, Near Vill. Zakopur, Ballabgarh, Faridabad.

6. SatyugDarshan Institute of Engineering & Technology, Bhupani-Lalpur Road, Bhupani, Faridabad.

7. Advanced Institute of Technology & Management, 70 KM, Delhi Mathura Road, Vill. Aurangabad, Teh. Hodal, Distt. Palwa.

8. Delhi College of Technology & Management, 77 K.M. Stone, NH-2, Gudhrana, Palwal.

9. NGF College of Engineering & Technology, 71st K.M. Stone, DehiMathura Highway, NH-2, Palwal

10. Satya College of Engineering & Technology, 72 K.M. Stone, DelhiMathura Road, NH-2, Distt. Palwal.

11. Shri Ram College of Engineering & Management, 70 K.M. Stone, DehiMathura Road, NH-2, Palwal.

12. Rattan Institute of Technology & Management, 79 K.M. Stone, NH-2, Mundkati Chock Saveli, Palwal.

* The matter of affiliation is subjudice.

1. **NAME OF THE COLLEGE:**   **ARAVALI COLLEGE OF ENGINEERING & MANAGEMENT, PALWAL**

   NAME OF THE PRINCIPAL: **DR. SURESH KUMAR JINDAL**

UG Courses:

B.Tech	Electronics & Communication Engineering	60
B.Tech	Computer Science & Engineering	90
B.Tech	Mechanical Engineering	120
B.Tech	Civil Engineering	60
BBA	BBA	60
BCA	BCA	60
BBA II	Specialisation in Financial Services & Banking	60

PG Courses:

MBA	MBA	60

2. **NAME OF THE COLLEGE:**   **B.S. ANANGPURIA INSTITUTE OF TECHNOLOGY& MANAGEMENT, FARIDABAD**

   NAME OF THE PRINCIPAL: **DR. S.S. TYAGI**

UG Courses:

B.Tech	Electronics & Communication Engineering	30
B.Tech	Computer Science & Engineering	60
B.Tech	Mechanical Engineering	60
B.Tech	Information Technology	30
B.Tech	Civil Engineering	30
BBA	BBA	30
BBA II	Specialisation in Financial Services & Banking	30
BBA II	Specialisation in Retail Management & Marketing	30
BCA	BCA	30
BCA II	Specailisation in Data Science	30

PG Courses:

MBA	MBA	30

3. **NAME OF THE COLLEGE:** **DELHI INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, FARIDABAD**

   NAME OF THE PRINCIPAL: **DR. P.K. MANDAL**

UG Courses:

B.Tech	Electronics & Communication Engineering	25
B.Tech	Computer Science & Engineering	90
B.Tech	Mechanical Engineering	150
B.Tech	Electrical Engineering	25
B.Tech	Civil Engineering	76
BBA	BBA	60

PG Courses

M.Tech	Computer Science & Engineering	20
M.Tech	Mechanical Engineering	20

4. **NAME OF THE COLLEGE:** **ECHELON INSTITUTE OF TECHNOLOGY,FARIDABAD**

   NAME OF THE PRINCIPAL: **DR. PRAVEEN PANDEY**

UG Courses:

B.Tech	Electronics & Communication Engineering	
B.Tech	Computer Science & Engineering	
B.Tech	Mechanical Engineering	
B.Tech	Civil Engineering	
BBA	BBA	**Inspection for the extension of provisional affiliation for the session 2019-20 still pending. Therefore, registrations are on hold.**
BCA	BCA	
M.Tech	Computer Science & Engineering	
M.Tech	Mechanical Engineering	

5. **NAME OF THE COLLEGE:**   **RAWAL INSTITUTE OF ENGINEERING & TECHNOLOGY, FARIDABAD**

     NAME OF THE PRINCIPAL: **DR. B.K. SINGH**

UG Courses:

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

PG Courses

M.Tech	Computer Science & Engineering	24
M.Tech	Machine Design	18
M.Tech	Signal Processing	18

6. **NAME OF THE COLLEGE: SATYUG DARSHAN INSTITUTE OF ENGINEERING& TECHNOLOGY, FARIDABAD**

     NAME OF THE PRINCIPAL: **DR. BHUPESH KUMAR SINGH**

UG Courses:

B.Tech	Electronics and Communications Engineering	30
B.Tech	Computer Science and Engineering	90
B.Tech	Mechanical Engineering	60
B.Tech	Civil Engineering	30
B.Tech	Electrical Engineering	30

BBA	BBA	60
BBA II	Financial Services & Banking	60

PG Courses: NA

7. NAME OF THE COLLEGE: ADVANCED INSTITUTE OF TECHNOLOGY & MANAGEMENT, PALWAL

NAME OF THE PRINCIPAL: DR. R.S. CHAUDHARY

UG Course:

B.Tech	Electronics & Communication Engineering	30
B.Tech	Computer Science and Engineering	60
B.Tech	Mechanical Engineering	60
B.Tech	Civil Engineering	60
B.Tech	Information Technology	30
BBA	BBA	120
BBA	CAM	60
BCA	BCA	120

PG Courses:

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

8. **NAME OF THE COLLEGE:**   **DELHI COLLEGE OF TECHNOLOGY &**
                                 MANAGEMENT, PALWAL

   NAME OF THE PRINCIPAL: **DR. VIVEK KUMAR**

UG Courses:

B.Tech	Electronics and Communications Engineering	30
B.Tech	Computer Science and Engineering	60
B.Tech	Mechanical Engineering	90
B.Tech	Civil Engineering	60
BBA	BBA	60
BCA	BCA	60

PG Courses:

M.Tech	Computer Science & Engineering	24
M.Tech	Mechanical Engineering Design	24
MBA	MBA	60

9. **NAME OF THE COLLEGE:**   **NGF COLLEGE OF ENGINEERING&**
                                 TECHNOLOGY, PALWAL

   NAME OF THE PRINCIPAL: **DR. SHARAT KAUSHIK**

UG Courses:

B.Tech	Electronics & Communication Engineering	60
B.Tech	Computer Science and Engineering	90
B.Tech	Mechanical Engineering	90
B.Tech	Civil Engineering	60
B.Tech	Electrical Engineering	30
B.Tech	Fashion and Apparel Engineering	30

PG Courses:

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

10. NAME OF THE COLLEGE: SATYA COLLEGE OF ENGINEERING, & TECHNOLOGY, PALWAL

NAME OF THE PRINCIPAL: DR. KALYAN KUMAR

UG Courses:

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

PG Courses:

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

11. NAME OF THE COLLEGE: SHRI RAM COLLEGE OF &
ENGINEERING. &   MANAGEMENT, PALWAL

NAME OF THE PRINCIPAL: PROF. (DR.) S.K. GARG

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

PG Courses:

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

12. NAME OF THE COLLEGE: RATTAN INSTITUTE OF & ENGINEERING, PALWAL

NAME OF THE PRINCIPAL: DR. RAJESHWAR SAHAI

UG Courses:

B.Tech	Electronics & Communication Engineering	30
B.Tech	Computer Science & Engineering	30
B.Tech	Mechanical Engineering	45
B.Tech	Civil Engineering	45
B.Tech	Electrical Engineering	30
BBA	BBA	60

PG Courses:

M.Tech	Structural Engineering	36
M.Tech	Manufacturing & Automation Engineering	18
M.Tech	Computer Science & Engineering	18
MBA	MBA	90

STUDENT ACTIVITES

DEAN STUDENT WELFARE
STUDENTS ACTIVITIES (2019-20)

Dean Student Welfare: Prof. Lakhwinder Singh
Deputy Dean Student Welfare: Dr. Anuradha Pillai
Deputy Dean Student Facilities: Dr. Sanjeev Kumar

DETAILS OF STUDENT'S CLUBS AND
CULTURAL CLUBS

Sr. No.	Club	Faculty Coordinator	Faculty Co-coordinator	Secretaries	Joint Secretaries
1	Ananya	Ms. Ashlesha Gupta	Dr. Shivi Garg	Utkarsh	Aditi
				Bhumika	Osheen
					Sarvesh
2	Nataraja (Bhangra)	Ms. Rashmi Popli	Ms. Raveena Aggarwal (CE)	Diljeet	Jaikant
				Ritika	Ankesh
				Eiti	Sunny
	Natraja (western)			Shweta	Renu
				Sidharth	Prateek
				Aastha	Himanshu
3	Srijan	Dr. Preeti Sethi	Ms. Shilpi (CE)	Maninder Singh	Hemant
				Dipali Yadav	Yash
				Sachin Arya	Komal
					Amit Bharti
4	Vividha	Ms. Sangeeta Dhall	Ms. Lavita Vermani	Sandeep Yadav	Shrishti
				Janisar Akhtar	Shevam Nagar
				Jatin Khatri	Harsh Sharma
				Deesha Sharma	Hitika Singhal
5	Jhalak	Mr. Umesh Kumar	Mr. Arko	Jatin Khandelwal	Vikas Bobuwa
				Jayapreet Kaur	
				Sanjeev Singh	Mayank Khinchi
				Simran Dewan	
6	Tarannum	Ms. Jyotsana Chawla	Dr. Seeta Ram, AP in Dept. of Chemistry	Ishaan	Shrey Arora
				Ankit	
7	Vivekanand Manch	Dr. Pradeep Dimri	Dr. Suraj Goyal, AP in Dept. of Mathematics	Nehal	Shivam Mehla
				Abhishek	Radhika
				Akshay	Sahil Jindal
				Megha	Gaurav
8	National	Dr. Pradeep Dimri		Neeraj	Rahul

	Service Scheme	Dr. Bindu Mangla			
		Dr. Umesh		Mohit Singh	Aakash Saini
		Mr. Nitin Panwar			

TECHNICAL CLUBS

Sr. No	Club	Faculty Coordinator	Faculty Cocoordinator	Secretaries	Joint Secretaries
1	Manan	Mr. Harish Kumar	Dr. Sonali Gupta, AP in Dept of IT	Prince	Yugant Kachroo
				Shubham	Riya
				Neha	Simran Nehra
					Anshul
2	Microbird	Mr. Mukesh Kumar	Ms. Poulami Jana	Daksh Bakshi	Anusha Yadav
				Khush Virmani	Shubham Kamboj
				Ankita Chawla	Pragati
				Priya Sethi	Dilpreet Singh
3	Mechnext	Mr. Sanjay Kumar	Sh. Surender Singh, AP in Dept of ME	Sachin kumar salaria	Sachin Adhwaria
					Rishabh Tripathi
				Kshitiz Maheshwari	Sahil Rao Yadhuvanshi
					Namit Nehru
4	Samarpan	Ms. Rachna Dhir	Ms. Manju (ECE)	Vaibhav	Sahil Aggarwal
				Yashika	Wriddha Roy
				Shagun	Amarpreet
				Nitin Bindal	
				Swati Kumari	Saurab
				Sahil Panchal	
5	IEEE	Mr. Ved Pal	Dr. Mamta Kathuria, AP in Dept of CA / Sh. Lalit Mohan Goyal	Sumit Prasad	Rohit Thakur
				Saikat Kuila	Kriti Tripathi
				Sahil Jain	Anurag Prajapati
					Lamha Goyal
6	SAE Collegiate Club	Dr. Nikhil Dev		Gautam Singh	Divyanshu Garg
				Sachin	Jayant Garg
					Bhavya
7.	Niramayam	Mr. Sachin Gupta	Ms. Jyoti Mor	Anshika	

SPORTS CLUB

Sr. No.	Club	Faculty Coordinator	Faculty Cocoordinator	Secretaries	Joint Secretaries
1	Eklavya	Mr. Shailender Gupta	Dr. Anurag, Dept of Chemistry	Arun Khokkar	Piyush Yadav
				Rahul Rathee	Vishal Bhati
				Ritu	

EVENTS/ACTIVITIES DURING THE YEAR

NAME OF CLUB - JHALAK

Sr. No.	Name of Activity	Date	Number of Participants
1.	Induction Program'19	19/08/19	All first year students
2.	Photoshop Workshop	07/09/19	130+
3.	Auditions	12/09/19	200+
4.	IIT Delhi – Rendezvous'18	2-5/10/2019	150+
5.	Photography workshop	16-18/10/2019	30+
6.	Photowalk – Humayun's Tomb	19/10/2019	30+
7.	Jashn-e-Faridabad	16/11/19-17/11/19	200+
8.	Photo-editing workshop	11-21/11/19	20+
9.	Photowalk – Chopta	31/12/19-03/01/20	15
10.	Photowalk- Potters colony	25/01/2020	20
11.	Sports meet	08/02/2020	30+
12.	Designing workshop	11-15/02/2020	10+
13.	Online Elements culmyca'20	5-8/04/2020	100+
14.	Designing competition	12-25/06/2020	30+

NAME OF CLUB – NATARAJA

Sr.No.	Name of Activity	Date	Number of participants
1.	Rakzz (Elements Culmyca 2k19)	12.04.2019	50+
2.	Folklore (Elements Culmyca 2k19)	12.04.2019	50+
3.	Flashback (Elements Culmyca)	13.04.2019	30+
4.	Footloose (Elements Culmyca)	14.04.2019	30+
5.	Reizo'19	16.09.2019	70+
6.	Rendezvous'19	01.10.2019	35
7.	Auditions	02.10.2019 05.10.2019	34
8.	Independence Day	15.08.2019	15+
9.	Tree Plantation Drive	31.08.2019	10+
10.	8th International Imposium	07.01.2020	10+
11.	Dream India Event	02.02.2020	5
12.	Aravalli Dance Competition	07.02.2020	15+
13.	Women's Day	24.02.2020	3
14.	Thirak (Elements of Culmyca 2020)	10.04.2020	20+
15.	Face-off (Elements of Culmyca 2020)	11.04.2020	20+

NAME OF CLUB - MICROBIRD

Sr.No.	Name of Activity	Date	Number of participants
1.	Session on L293D	02/08/2019	40
2.	Session on PID Controller	10/08/2019	35
3.	Laizo Reizo (Freshers)	16/09/2019	100+
4.	Stimulated Loop Tracers & Decision Control	28/09/2019	80
5.	PCB Designing Workshop	01/12/2019	64
6.	Auditions	10/10/2019	500+

7.	Pragyan	01/01/2020	30
8.	Online Culmyca'20	1/04/2020 - 9/04/2020	300+
9.	PLC & Programming	15/07/2020	106
10.	Robotics with Arduino	25/07/2020	108

NAME OF CLUB - VIVIDHA

Sr.No.	Name of Activity	Date	Number of participants
1.	Nukkad Natak(Anti-Ragging)	22.08.2019	18+2
2.	Induction	03.09.2019	6(mime)+1(monoact)
3.	Audition	04.09.2019-06.09.2019	200+
4.	Freshers	16.09.2019	21
5.	IITD-Rendezvous'19	02.10.2019-05.10.2019	28
6.	Jashn-E-Fbd	17.11.2019	31
7.	AIU	25.12.2019-29.12.2019	12
8.	Nukkad Natak(Women's day)	24.02.2020	18+2
9.	World's Theatre day(poster designing)	27.03.2020	40+
10.	Online Culmyca'20	05.04.2020-08.04.2020	300+

NAME OF CLUB – SRIJAN

Sr.No.	Name of Activity	Date	Number of participants
1.	Orientation (SprayPainting)	09 September, 2019	250+
2.	Foundation Day/Fresher's (Reizo)	16 September, 2019	500+
3.	Srijan Auditons(3 days)	18-20 September, 2019	300+
4.	Open Workshop	01 October,2019	100+
5.	Rendezvous'19	02-04 October, 2019	60
6.	PEC Fest	08-10 November, 2019	30
7.	IIIT-D fest	17 January, 2020	22
8.	Painting Workshop	22 February, 2020	40+
9.	Online Elements culmyca'20 (Binge Art)	01-10 April, 2020	326
10.	Pause the moment (Art competition)	05-20 June, 2020	26
11.	Online Workshop (3 days)	29 July 2020, 30 July, 2020 01 July, 2020	60+

NAME OF CLUB – SAMARPAN

Sr. No.	Name of Activity	Date	Number of participants
1	Robot controlled via Image Processing	24-08-2019	50+
2	Foundation day(smart mirror)	16-09-2019	30+
3	Samarpan Induction workshop	14-10-2019	80
4	Proteus Session	07-11-2019	60
5	PCB Designing and fabrication and Competition	10-01-2020	56
6	Maskomind	01-04-2020	8
7	VIDPLOSION	01-04-2020	23
8	Wartech	01-04-2020	104
9	Innoviz	02-04-2020	49
10	Technofrenzy	05-04-2020	188
11	Codex 1.0	11-04-2020	2
12	Factothon	01-04-2020	53
13	UI DESIGNING AND ROBOTICS	09-07-2020	302

NAME OF CLUB – MANAN

Sr.No.	Name of Activity	Date	Number of participants
1.	ML Workshop	4.09.2019	250+
2.	MANTHAN2019	5.09.2019	250+
3.	Open Session on Dynamic Programming	9.09.2019	200+
4.	Session on Segment Trees	11.10.2019	150+
5.	MOCK ICPC	14.10.2019	200+
6.	Ideathon 1.0	21.10.2019	200+
7.	Session on How to Hack the Interview	23.10.2019	200+
8.	Online Session on Linked List	31.10.2019	100+
9.	CodeCadet XVIII	04.11.2019	150+
10.	Online Session on Tries	5.11.2019	150+
11.	CODE WARS	9.11.2019	150+
12.	KickStarting Web Development	11.11.2019	150+
13.	Code - O – Fiesta	23.11.2019	200+
14.	Session on Path to get a Dream Placement	27.11.2019	200+
15.	CodeCadet – XIX	04.01.2020	200+
16.	Problem Solving JAN 20	20.01.2020	150+
17.	CodeCadet – XX	15.02.2020	150+
18.	Logo Making Competition	24.02.2020	150+
19.	Interview Preparation Workshop by Coding Ninjas	25.02.2020	150+
20.	CodeCadet	26.03.2020	150+
21.	Xumbao	30.03.2020- 02.04.2020	500+
22.	Code Crusade	11.04.2020	300+

23.	Web Apps with React Js	13.06.2020	250+
24.	How we Prepared For Tech Giants	21.06.2020	250+
25.	Codeathon	20.07.2020-24.07.2020	300+

NAME OF CLUB – TARANNUM

Sr.No.	Name of Activity	Date	Number of participants
1.	INDEPENDENCE DAY	15.08.2019	15+
2.	FRESHERS DAY	16.09.2019	50+
3.	GANDHI JAYANTI	02.10.2019	10+
4.	AUDITION	25.10.2019	150+
5.	CULTURAL NIGHT	07.01.2020	10+
6.	REPUBLIC DAY	26.01.2020	20+
7.	VOCALS WORKSHOP	05.02.2020	70+
8.	ORIENTATION	17.02.2020	400+
9.	TARANG	27.02.2020	80+
10	WOMEN'S DAY	08.03.2020	50+
11.	ELEMENTS CULMYCA	12.04.20- 14.04.20	200+
12.	COVID19 FRONTLINERS DEDICATED VIDEO	01.07.2020	15 members
13.	BUZZ-E-GEET	18/19.07.2020	90+

NAME OF CLUB – MECHNEXT

Sr.No.	Name of Activity	Date	Number of participants
1.	Workshop on Arduino control and Bluetooth car	10-09-2019	70+
2.	Audition	01-10-2019 - 18-10-2019	250+
3.	workshop on IC engines	15-02-2020	35+
4.	workshop on RC Plane	25-02-2020	45+
5.	Clash of Designers	09-04-2020	50+
6.	Call of Duty Tournament	10-04-2020	55+
7.	Quiz me up	11-04-2020	45+
8.	Workshop on Industrial Design	08-06-2020	55+
9.	CAE Workshop	04-07-2020	70+
10.	Quadcopter Workshop	11-07-2020	85+
11.	Workshop on PCB Designing	26-07-2020	60+
12.	Tech Quiz	20-09-2020	60+
13.	Q&A Session	20-09-2020	55+
14.	Workshop on Aircraft Technology	17-10-2020 - 18-10-2020	80+

NAME OF CLUB – IEEE

Sr.No.	Name of Activity	Date	Number of participants
1.	Session on proteus design	31/07/19	35+
2.	Session on MIT APP Inventor	11/08/19	40+
3.	Session on Python and ML	14/09/19	110
4.	Audition	September	300+
5.	A week of continuous learning	14/10/19-18/10/19	50+

6.	Basic of electrical and electronic engineering	19/10/19	30
7.	Dynamic programming	05/11/19- 08/11/19	30+
8.	OPAM IC and its Applications	13/11/19	20
9.	Deep Learning	16/11/19	40+
10.	Projects Completion based on Real-Life Problems	21/01/20	53+
11.	PCB Designing Competition for first year students	11/01/20	40+
12.	Session on Basics of C++	5/02/20	25+
13.	Session on How to build your own computer	7/02/20	35+
14.	Sports Meet 2020	9/02/20	40+
15.	Elements Culmyca	25/03/20 - 10/04/20	250+
16.	CV Building	24/05/20	110+
17.	VLSI Design Flow & Industrial Trends	25/05/20	50+
18.	Guidance To DSA	27/05/20	130+
19.	Web Apps with NodeJS	28/05/20	140+
20.	Pursuing a Career in Robotics & STEM Mentoring the Next Generation	01/06/20	40+

NAME OF CLUB – ANANYA

Sr.No.	Name of Activity	Date	Number of participants
1.	Furore	After every 3 months interval	20+
2.	Induction Programme	31.08.2019	200+
3.	YMCA Got Talent	27.09.2019	200+
4.	NTPC Debate	3.10.2019	32
5.	BPIT literary fest	15.10.2019	25
6.	Insurrection	22.02.2020	30 teams
7.	Recapitulation	12.04.2020	50+
8.	Period	15.04.2020	35+
9.	Witsvilla	13.05.2020- 24.05.2020	45+
10.	Seher-e- Rukhsat	26.07.2020	

NAME OF CLUB – VIVEKANAND MANCH

Sr.No.	Name of Activity	Date	Number of participants
1.	Visit To Old Age Home	04.08.2019	50+
2.	Arise Awake Achieve 3.0	07.09.2019	100+
3.	Auditions	17.09.2019	250+
4.	Swachh Bharat Abhiyan	02.10.2019	40+
5.	Universal Brotherhood Day	09.10.2019	150+
6.	National Youth Day	18.01.2020	70+
7.	Matri Bhasha Diwas	24.02.2020	50+
8.	Quarantine Festival (Elements Culmyca 2020)	01.04.2020 - 10.04.2020	200+

| 9. | Mission Panchi | 25.04.2020 | 80+ |
| 10. | Take It Easy | 18.07.2020 | 70+ |

Name of Club : National Service Scheme (NSS)

Sr. No.	Name of Activity	Date
1.	Jal Shakti Abhiyan	26.08.2019
2.	Fit India Movement	29.07.2019
3.	Nutrition Camp	17.09.2019
4.	Webinar on Nutrition Movement	19.09.2019
5.	Gandhi Jayanti Celebration (Nukkad Natak)	02.10.2019
6.	Blood Donation Camp	24.10.2019
7.	Vigilance Awareness Week	31.10.2019
8.	Constitution Day	26.11.2020
9.	Pardarshan (Poster Making)	06.04.2020
10.	Shodhan/Manthan (Video Making)	07.04.2020
11.	Sankalp (Plantation Drive)	10.04.2020
12.	Jugalbandi (Poetry Competition)	09.04.2020
13.	Photography Competition	27.05.2020- 31.05.2020
14.	World Environment Day	05.06.2020
15.	World Day Against Child Labour	12.06.2020
16.	Poster Making competition	12.06.2020- 15.06.2020
17.	Yoga Competition	19.06.2020- 23.06.2020

18.	Content Writing	21.06.2020- 27.06.2020
19.	International Day of Yoga	21.06.2020
20.	National Webinar on Crime Against Women	27.07.2020

SPORTS ACTIVITY:

JCBOSE UST Consolidated Sports Report for Academic Session 2019-2020

Name of the Event	Organised By	Date of Event	Total Students Participated	Name of Faculty Coordinators	Awards Won	**Expenditure**
SPARDHA 2019-SPORTS FEST OF IIT VARANASI	IIT BHU	18 Oct 2019-20 Oct 2019	49	Dr Shailender Gupta Mr. Vijay Garg Mr Brijender	6 (5 In Boxing, 1 in Power Lifting)	147906/-
INTER COLLEGE TOURNAMENT(VOLLEYBALL ,FOOTBALL& ATHLETICS)	JCBOSE UST	23 Oct. 2019-24 Oct. 2019.	36	Dr Shailender Gupta Mr. Vijay Garg Mr Brijender	9 in Athletics 1 in Basket ball boys and other in girls too and 1 in Volleyball	14180
Inter College Kabaddi Tournament 2019	JCBOSE UST	18-19 Nov. 2019	11	Dr Shailender Gupta Mr. Vijay Garg Mr Brijender	JCBOSE UST Team Won	3260
INTER COLLEGE TOURNAMENT(BASKETBALL)	JCBOSE UST	8 Nov &9 Nov 2019.	24	Dr Shailender Gupta Mr. Vijay Garg Mr Brijender	Both Teams of JCBOSE UST Team Won	20,029
Inter College Badminton Tournament 2019	JCBOSE UST	18-19 Nov.	10	Dr Shailender Gupta Mr. Vijay Garg	Both Teams of JCBOSE UST Team	5985

				Mr Brijender	Won First Prize	
ALL INDIA INTERUNIVERSITY TOURNAMENT (ARCHERY)	kiit university, Bhubaneswar, odisha	26 Dec. to 30 Dec.2019	3	Dr Shailender Gupta Mr. Vijay Garg Mr Brijender	No prize	27840

1. **Name of Club - Jhalak**

Sr.No.	Student Name	Club	Event Detail	Position/Prize
1.	Puneet deshwal	Jhalak	destination photography competition organised by animation and multimedia, JCBUST, YMCA, faridabad	1st
2.	Gurmeet singh	Jhalak	destination photography competition organised by animation and multimedia, JCBUST, YMCA, faridabad	2nd
3.	Harsh chauhan	Jhalak	lockdown photography challenge Manav rachna, faridabad	1st
4.	Shravan kaul	Jhalak	camcast(Photo fiesta 2020),Motilal nehru college, Delhi	1st
5.	Kamal garg	Jhalak	camcast(Photo fiesta 2020),Motilal nehru college, Delhi	2nd
6.	vikas bobuwa	Jhalak	On the spot (Photo fiesta 2020),Motilal nehru college, Delhi	2nd
7.	Abhishek	Jhalak	Designing competition,JCBUST, ymca, Faridabad	2nd
8.	Neeraj	Jhalak	Digital art,JCBUST, ymca, faridabad	3rd
9.	Abhishek	Jhalak	Digital art,JCBUST, ymca, faridabad	2nd

2.   Name of club – Ananya

Sr.No.	Student Name	Club	Event Detail	Position/Prize
1.	Aashima Anand	Ananya	JAM - IITD	1st
			JAM - AIIMS	3rd
2.	Aditi Utreja	Ananya	JAM- IITD	2nd
			English slam poetry Engifest - DTU	2nd
			Slam poetry - IGDTUW	3rd
3.	Advitya	Ananya	CVS YP	Verbal Mention (3)
4.	Chim Sharma	Ananya	JAM - IITD	2nd
			JAM - DTU	2nd
			Shipwreck - DTU	2nd
5.	Dev Deswal	Ananya	British Parliamentary Debate - AIIMS Delhi	1st
			Turncoat - Shaheed Rajguru College DU	1st
			Group Discussion- BPIT	1st
			Quiz - BPIT	1st
			Shipwreck - Miranda House DU	1st

			Socratic Circle - Yuvaan - DTU	2nd
			Outrounds Debate Competition : Engifest- DTU	2nd
			JAM, Yuvaan-DTU	3rd
			Rebuttals- Multi level debate, Satyavati College - DU	3rd
			CVS YP	Verbal Mention (1)
6.	Kamakshi Bhat	Ananya	A piece of me: English slam poetry competition, Yuvaan-DTU	2nd
7.	Kunal Vashisht	Ananya	Multi level debate - Satyawati college DU	1st
			British parliamentary debate - AIIMS Delhi	1st
			Quiz - BPIT	1st
8.	Tanisha Tyagi	Ananya	1st position : JAM - BPIT	1st
9.	Tushar Dalal	Ananya	Shipwreck- Miranda House	2nd
			Mun - CVS Online	High Commendation
			Mun - The munners	High Commendation
			Mun - Prajatantra Youth Conclave	Special Mention
			Mun - Gentium Model United Nations (Vit vellore)	Special Mention

3.   **Name of Club - Niramayam**

Sr.No.	Student Name	Club	Event Detail	Position/Prize
1.	Anshika Chaudhary	Niramayam	12th April 2019 Challenge Me: A competitive fitness event involving various flexibility, strength and balance activities.	1st

4.   **Name of club – Vividha**

Sr.No.	Student Name	Club	Event Detail	Position/Prize
1.	Kamakshi Bhat	Vividha	Dialogue recreation in Elements Culmyca'20 (YMCA fest)	1st
2.	Ishika,prerna Singh,Lalit,Roshan,Prerna Sharma	Vividha	Corona Kaho Na in Elements Culmyca'20 (YMCA fest)	2nd
3.	Bhuvnesh,Gaurav,Sanchit,Aashi,Charu	Vividha	Corona Kaho Na in Elements Culmyca'20 (YMCA fest)	3rd
4.	Pranjal Anand	Vividha	Tell a Tale in Elements Culmyca'20 (YMCA fest)	1st
5.	Aashi Chaudhary	Vividha	Tell a Tale in Elements Culmyca'20 (YMCA fest)	3rd
6.	Prerna Sharma	Vividha	Quarantine Video Making Comp. in Elements Culmyca'20 (YMCA fest)	1st
7.	Gaurav Tomar and Aman Jindal	Vividha	Quarantine Video Making Comp. in Elements Culmyca'20 (YMCA fest)	2nd
8.	Tanisha	Vividha	Share-o-Lekh in Elements Culmyca'20 (YMCA fest)	1st
9.	Retika Bhat	Vividha	Share-o-Lekh in Elements Culmyca'20 (YMCA fest)	2nd
10.	Abhishek Ranjan	Vividha	Quizzwizz in Elements Culmyca'20 (YMCA fest)	2nd

5.   Name of club – Srijan

Sr.No.	Student Name	Club	Event Detail	Position/Prize
1.	Shraddha Chugh	Srijan	Spectrum in Elements Culmyca'20 (YMCA fest)	1st
2.	Inderjeet singh	Srijan	Spectrum in Elements Culmyca'20 (YMCA fest)	2nd
3.	Karan Gangwani	Srijan	Spectrum in Elements Culmyca'20 (YMCA fest)	3rd
4.	Vivek Kumar	Srijan	2 Shades in Elements Culmyca'20 (YMCA fest)	2nd
5.	Palak Lamba	Srijan	2 Shades in Elements Culmyca'20 (YMCA fest)	3rd
6.	Shubhi Khemkha	Srijan	Cartoon Making in ElementsCulmyca'20 (YMCA fest)	1st
7.	Vaishali	Srijan	Cartoon Making in Elements Culmyca'20 (YMCA fest)	2nd
8.	Vaibhav Butola	Srijan	Scribble It Out in Elements Culmyca'20 (YMCA fest)	3rd
9.	Prachi solanki	Srijan	Pause the moment (Art competition)	1st
10.	Shubhi Khemkha	Srijan	Pause the moment (Art competition)	3rd
11.	Saurabh , Swarnim	Srijan	Sand Art (PEC fest)	1st
12.	Mansi, Ankit	Srijan	Sand Art (PEC fest)	3rd
13.	Saurabh , Swarnim	Srijan	Doodle (PEC fest)	3rd
14.	Ashna, Bhavika, Astha	Srijan	Painting (IIIT-D Fest)	1st
15.	Ankit, Vaibhav	Srijan	Painting (IIIT-D Fest)	2nd
16.	Saurabh , Hemant	Srijan	Painting (IIIT-D Fest)	4th

| 17. | Yash , Swarnim | Srijan | NHPC Poster Making (November ,2019) | 1st |
| 18. | Saurabh , Hemant | Srijan | NHPC Poster Making (November,2019) | 3rd |

6.   Name of club – Tarannum

Sr.No.	Name of Event	Date	Venue	Position	Name of Team Members
1.	TALENT HUNT 2019	29.07.19	Satug Darshan Kendra	participation	Priyanka Garg
2.	Instrumental impromptu	14.10.19	IIT Delhi	Participation	Ishaan Kaushik
3.	Instrumental impromptu	14.10.19	IIT Delhi	Participation	Ankit Bhardwaj
4.	Eastern Vocal Solo	13.10.19	IIT Delhi	Participation	Shivangi
5.	Western Vocal Solo	13.10.19	IIT Delhi	participation	Vaishnavi Pathak
6.	AIU FEST	09.01.19	AIU, DELHI	participation	Saikat Kuila Ishaan Kaushik

7. **Name of Club - Nataraja (Western)**

Sr.No.	Name of Event	Club	Member List	Position/Prize
1.	Rakzz (Elements of Culmyca 2019)	Nataraja Western	All Club Members	1st
2.	Footloose(Elements of Culmyca 2019)	Nataraja Western	Paras Lamba	1st
3.	Face-Off (Elements of Culmyca 2019)	Nataraja Western	Paras Lamba	1st
4.	Face-Off (Elements of Culmyca 2019	Nataraja Western	Prajjwal	2nd
5.	Thirak (Elements of Culmyca 2020)	Nataraja Western	Aanchal	1st
6.	Faceoff (Elements of Culmyca 2020)	Nataraja Western	Prajjwal	1st
7.	Face-off (Elements of Culmyca 2020)	Nataraja Western	Yashika	2nd

PRIZES DURING THE YEAR

Sr.No.	Student Name	Club	Event Detail	Position/Prize
1.	Anurag	IEEE YMCA SB	Technerd 2.0	2nd
2.	Snehal	IEEE YMCA SB	Technerd 2.0	3rd
3.	Kriti	IEEE YMCA SB	PCB THON	1st
4.	Lamha	IEEE YMCA SB	IEEE Ideathon	1st
5.	Rohit	IEEE YMCA SB	IEEE Ideathon	2nd
6.	Tanisha	IEEE YMCA SB	IEEE Ideathon	3rd
7.	Shubham Singla	IEEE YMCA SB	SIH 2020	Project Nominated by university to MHRD for entry from the university and further short listed for Video round by MHRD
8.	Shubham singla	IEEE YMCA	chandigarh sub-section networking QUIz	3rd
9.	RAKSHIT BAJAJ	Pragyanam YMCA	Clever bot Bender	1st
10.	RAKSHIT BAJAJ	Mathletes	North Cap University	Best mathematician winners
11.	RAKSHIT BAJAJ	Samarpan YMCA	PCB designing	2nd
12.	RAKSHIT BAJAJ	Engineers connect	Non technical quiz	1st
13.	RAKSHIT BAJAJ	IEEE CSC	IEEE Congress	Campus ambassador (twice)
14.	Aryan	Pragyanam YMCA	Clever bot Bender	1st
15.	Aryan	Mathletes	North Cap University	Best mathematician winners
16.	Aryan	IEEE CSC	IEEE Congress	Campus ambassador (twice)
17.	Aryan	AatmaNirbhar Bharat Hackathon	Organised by JCBUST, YMCA, Faridabad	Second Position

| 18. | Aryan | Caption Writing Competition | Organised by IEEE AcSIR- CSIO Chandigarh | Winner |
| 19. | Aryan | Debate Competition | Organised by Vivekanand Manch, JCBUST | First position |

PT. DEEN DAYAL UPADHYAY
CENTRAL LIBRARY

INTRODUCTION

The Central Library of the University has been named after the great Indian thinker and leader Pt. Deen dayal Upadhyay. The Library is situated at ground floor with air conditioned facility and well equipped with modern technology like e-library Portal, Bar Code Technology, Remote Access facility, Federated Search, Artificial Intelligence based searching, Mobile App etc. It is fully automated with Web Based Library Management System 'LSEase' from LIBSYS Ltd. Web OPAC (Online Public Access Catalogue) facility is available to know the availability of books in the library. Library is having total collection of more than 82000 books, 35 magazines, 16 daily newspapers and more than 120 print research journals. More than 3900 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 7000 titles of e-books from McGraw-Hill, Pearson Education, Tritech and EBSCO are accessible to the users. Library is also having access of millions of e-books from World eBook Library and South Asian Archive. The Library is also the member of DELNET and EShodh Sindhu consortia.

Nominated Member, Library Committee: Prof. Ashutosh Dixit

STAFF PROFILE

Sr. No.	Name	Designation	Qualification	Total Experience (years)
1	Dr. P. N. Bajpai	Dy. Librarian	M. Sc.; MLIS, M. Phil, Ph.D.	24
2	Ms. Hema Singh	Asstt. Lib. Professional	M. Sc., ADIS, PGDCA	13
3	Mrs. Sadhna Bajpai	Library Counter Clerk	B. Sc., M. A., MLIS, M. Phil	18
4	Mr. Saurabh Dixit	Library Counter Clerk	B. Sc., MLIS	05
5	Ms. Pooja	Library Atendant Cum Restorer	B. A.; Dip in Lib. & Inf. Sc.	02

LIBRARY COLLECTION

Books in Stock	Newly Purchased Books	Book Bank Books	No. of Print Journals	No. of Magazines	No. of Newspapers
82258	2585	18756	120	35	16

SECTIONS OF THE LIBRARY

The Library is having following sections:
1. Acquisition & Technical Section
2. Circulation Section
3. General Book Section (Stack Area)
4. Book Bank Section
5. Periodical Section
6. Reference Section
7. Internet / E-Resource Section
8. Separate Reading Room
9. Section for Physically disabled persons

SERVICES/FACILITIES PROVIDED BY THE LIBRARY

1. Circulation (Issue/Return) Service
2. Reference Service
3. Internet & Access to e-resources
4. Online Public Access Catalogue (OPAC)
5. Reading Facility
6. Book Bank facility
7. Current Content Service.
8. Newspaper clipping service.

SHORT TERM COURSE/CONFERENCE/ WORKSHOP ATTENDED BY DR. P. N. BAJPAI, DEPUTY LIBRARIAN:

Following short term courses/ seminars/ workshops were attended by Dr. P. N. Bajpai, Dy. Librarian
1. Attended one day Elsevier Connect Forum organized in collaboration with Indian Institute of Technology, Delhi on 16.09.2019

2. Attended MANLIBNET Ashok Jambhekar Memorial Lecture on "Reframe Yourself" followed by Panel Discussion organized by Institute of Management Technology, Ghaziabad.
3. Attended a webinar on "How to avoid plagiarism using URKUND as a plagiarism tool" organized by e-Galactic in association with P G Government College for Girls-42, Chandigarh & BIMTEC, Greater Noida on May 2, 2020.
4. Attended a webinar on "Research Ethics in e-Environment" organized by Library Professionals Association on 24th May, 2020.
5. Attended a webinar on "Role of Libraries in increasing Ranking of Institution" organized by MIT World Peace University, Pune on 16th May, 2020.
6. Attended a webinar on "Search Engines and Meta Search Engines" organized by MIT World Peace University, Pune on 15th May, 2020.

7. Attended a webinar on "Access to e-Knowledge Resources: Paradigm Shift in Virtual Teaching and Digital Library" organized by Ansal University, Gurgaon.

8. Attended a webinar on "Status of Librarian in UGC Regulation 2018" organized by MIT World Peace University, Pune on 14th May, 2020.

9. Attended a webinar on "Reference Management Software for Students, Research Scholars and Academics" organized by P G Government College for Girls-42, Chandigarh & Guru Gobind Singh College for Women-26, Chandigarh on May 13, 2020.

10. Attended a webinar on " Collection development in Indian Academic and Research Libraries in digital era: issues and challeneges" organized by MIT Academy of Engineering, Central Library, Alandi, Devachi, Pune on 12th May, 2020.

11. Attended a webinar on " Lib-Changing Role of Libraries and Librarians" organized by MIT Academy of Engineering, Alandi, Devachi, Pune on 10th May, 2020.

EXPERT LECTURE/ INVITED TALK DELIVERED BY DR. P. N. BAJPAI, DY. LIBRARIAN.:

1. Expert talk on "e-Books: opportunities and challeneges" was delivered by Dr. P. N.Bajpai, Dy. Librarian on 7th June, 2020 in the Webinar Demystifying e-Resources" organized Madhya Pradesh Library Association in collaboration with McGra-Hill Education.

2. Invited talk on "Open Access e-Resources and Indian initiatives" was delivered by Dr. P. N.Bajpai in the Webinar organized by Haryana Library Association.

RESEARCH PUBLICATIONS BY DR. P. N. BAJPAI, DY. LIBRARIAN

1. Written one chapter on "Digital Resources and their management" in the book"Emerging Trends for Smart Libraries" published by Shree Publishers and Distributors, New Delhi.

2. Written one unit on "Library Assocations in India" for BLIS Distance Learning Programme, Dr. Hari Singh Gour Central University, Sagar.

E-RESOURCES

Presently library is having access of following e-resources through

E-shodhsindhu Consortium

Springer Link	http://link.springer.com
Taylor & Francis	http://www.tandfonline.com
Economic & Political Weekly	http://epw.in/
World e-book Library	http://community.worldlibrary.in
South Asia Archives (SAA)	http://www.southasiaarchive.com
JCCC	http://jgateplus.com/

E-resources subscribed by the Library

Elsevier's Science Direct (Engg&Comp.Sc. Collection)   http://www.sciencedirect.com
IEEE (ASPP and POP All)   http://ieeexplore.com/
GATEWAY TO E-RESOURCES (DISCOVERY SERVICE)

JGate Plus   http://jgateplus.com

E-LIBRARY PORTAL

 The University Library got prepared its 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. The e-Library Mobile App 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 serendipitous knowledge discovery from the portal.

In addition to above, Library is also providing   gateway to access e-Resources through the J Gate Discovery Tool being provided by INFLIBNET.

EVENTS/ACTIVITIES/ACHIEVEMENTS DURING THE YEAR

Date	Name of Activity	Number of Participants
17th & 20th January, 2020	User awareness workshop on "Writing good research puplications and using E-Resources Effectively"	225
07th May, 2020	Online Launch Ceremony of Digital Platforms for e-Learning (e-library & DLMS) cum One day workshop	70
July 17, 2020	Online awareness workshop "Exploring e-Resources through JCBoseUST e-Library Platform"	350
July 21st 2020	National Webinar on "Learning Basics of Publishing in High Quality Journals"	
31st July 2020	National webinar on "Improving Quality Through Research Support Services : Role of Digital Library".	200

RESULT ANALYSIS (2019-2020)

MAY 2020 - SEMESTER WISE-PASS PERCENTAGE

Course	Semester	Program	Total No. of appeared candidates	Total No. of pass candidates	Total No. of fail candidates	Pass %
B.TECH	2nd	Civil Engg. (002)	69	68	1	98.55
		Computer Engg. (003)	145	144	1	99.31
		Electrical Engg. (007)	66	63	3	95.45
		Electronics & Communication Engg. (008)	68	0	68	0.00
		Electronics, Instrumentation & Control Engg. (009)	68	65	3	95.59
		Information Technology (011)	69	69	0	100.00
		Mechanical Engg. (013)	131	127	4	96.95
		TOTAL	**616**	**536**	**80**	**87.01**
B.TECH	4th	Civil Engg. (002)	67	67	0	100.00
		Computer Engg. (003)	144	141	3	97.92
		Electrical Engg. (007)	67	60	7	89.55
		Electronics & Communication Engg. (008)	69	67	2	97.10
		Electronics, Instrumentation & Control Engg. (009)	63	61	2	96.83
		Information Technology (011)	72	71	1	98.61
		Mechanical Engg. (013)	140	138	2	98.57
		TOTAL	**622**	**605**	**17**	**97.27**
B.TECH	6th	Computer Engg. (003)	74	73	1	98.65
		Electrical Engg. (007)	73	70	3	95.89
		Electronics & Communication Engg. (008)	75	75	0	100.00
		Electronics, Instrumentation & Control Engg. (009)	72	65	7	90.28
		Information Technology (011)	74	71	3	95.95
		Mechanical Engg. (013)	144	140	4	97.22
		TOTAL	**512**	**494**	**18**	**96.48**
B.TECH	8th	Computer Engg. (003)	74	74	0	100.00
		Electrical Engg. (007)	75	68	7	90.67
		Electronics & Communication Engg. (008)	70	70	0	100.00
		Electronics, Instrumentation & Control Engg. (009)	67	66	1	98.51
		Information Technology (011)	75	75	0	100.00
		Mechanical Engg. (013)	144	143	1	99.31
		TOTAL	**505**	**496**	**9**	**98.22**
M.TECH	2nd	Computer Engg. (502)	17	17	0	100.00
		Network Engg. (503)	13	12	1	92.31
		Electronics & Communications Engg. (505)	9	9	0	100.00
		Information Technology (507)	11	11	0	100.00
		Power Systems (509)	7	7	0	100.00
		VLSI Design (511)	14	12	2	85.71
		Mechanical Engg. (MP) (517)	17	16	1	94.12
		TOTAL	**88**	**84**	**4**	**95.45**
M.TECH	4th	Computer Engg. (502)	16	16	0	100.00
		Network Engg. (503)	12	12	0	100.00
		Electronics & Communications Engg. (505)	13	13	0	100.00
		Electronics & Instrumentation (506)	1	1	0	100.00
		Information Technology (507)	17	17	0	100.00
		Power Systems (509)	9	7	2	77.78
		VLSI Design (511)	1	1	0	100.00

		Mechanical Engg. (MP) (517)	13	13	0	100.00
		TOTAL	**82**	**80**	**2**	**97.56**
MA (J)	2nd	MA Journalism & Mass Communication (771)	17	17	0	100.00
MA (J)	4th	MA Journalism & Mass Communication (771)	17	17	0	100.00
		TOTAL	**34**	**34**	**0**	**100.00**
MBA	2nd	MBA (701)	68	68	0	100.00
MBA	4th	MBA (701)	59	59	0	100.00
MBA	2nd	MBA Specialization (703)	66	65	1	98.48
MBA	4th	MBA Specialization (703)	55	55	0	100.00
		TOTAL	**248**	**247**	**1**	**99.60**
MCA	2nd	MCA (601)	66	65	1	98.48
MCA	4th	MCA (601)	0	0	0	0.00
MCA	6th	MCA (601)	34	33	1	97.06
		TOTAL	**100**	**98**	**2**	**98.00**
MSC (CH)	2nd	M.Sc. Chemistry (751)	0	0	0	0.00
MSC (CH)	4th	M.Sc. Chemistry (751)	57	56	1	98.25
MSC (P)	2nd	M.Sc. Physics (752)	65	64	1	98.46
MSC (P)	4th	M.Sc. Physics (752)	56	56	0	100.00
MSC (M)	2nd	M.Sc. Mathematics (753)	59	55	4	93.22
MSC (M)	4th	M.Sc. Mathematics (753)	59	59	0	100.00
MSC (EVS)	2nd	M.Sc. Environmental Sciences (754)	37	37	0	100.00
MSC (EVS)	4th	M.Sc. Environmental Sciences (754)	30	30	0	100.00
		TOTAL	**363**	**357**	**6**	**98.35**

DEC 2019 - SEMESTER WISE-PASS PERCENTAGE

Course	Semester	Program	Total No. of appeared candidates	Total No. of pass candidates	Total No. of fail candidates	Pass %
B.TECH	**1st**	Civil Engg. (002)	69	39	30	56.52
		Computer Engg. (003)	150	121	29	80.67
		Electrical Engg. (007)	65	33	32	50.77
		Electronics & Communication Engg. (008)	69	58	11	84.06
		Electronics, Instrumentation & Control Engg. (009)	68	43	25	63.24
		Information Technology (011)	70	52	18	74.29
		Mechanical Engg. (013)	133	100	33	75.19
		TOTAL	**624**	**446**	**178**	**71.47**
B.TECH	**3rd**	Civil Engg. (002)	70	48	22	68.57
		Computer Engg. (003)	144	104	40	72.22
		Electrical Engg. (007)	69	34	35	49.28
		Electronics & Communication Engg. (008)	70	42	28	60.00
		Electronics, Instrumentation & Control Engg. (009)	67	26	41	38.81
		Information Technology (011)	73	46	27	63.01
		Mechanical Engg. (013)	143	78	65	54.55
		TOTAL	**636**	**378**	**258**	**59.43**
B.TECH	**5th**	Computer Engg. (003)	74	53	21	71.62
		Electrical Engg. (007)	73	35	38	47.95
		Electronics & Communication Engg. (008)	75	57	18	76.00
		Electronics, Instrumentation & Control Engg. (009)	72	42	30	58.33
		Information Technology (011)	75	66	9	88.00
		Mechanical Engg. (013)	144	125	19	86.81
		TOTAL	**513**	**378**	**135**	**73.68**
B.TECH	**7th**	Computer Engg. (003)	74	67	7	90.54
		Electrical Engg. (007)	68	68	0	100.00
		Electronics & Communication Engg. (008)	70	70	0	100.00
		Electronics, Instrumentation & Control Engg. (009)	67	67	0	100.00
		Information Technology (011)	75	71	4	94.67
		Mechanical Engg. (013)	145	142	3	97.93
		TOTAL	**499**	**485**	**14**	**97.19**
M.TECH	**1st**	Computer Engg. (502)	17	13	4	76.47
		Network Engg. (503)	13	8	5	61.54
		Electronics & Communications Engg. (505)	9	9	0	100.00
		Information Technology (507)	11	10	1	90.91
		Power Systems (509)	7	6	1	85.71
		VLSI Design (511)	14	12	2	85.71
		Mechanical Engg. (MP) (517)	18	13	5	72.22
		TOTAL	**89**	**71**	**18**	**79.78**
M.TECH	**3rd**	Computer Engg. (502)	16	16	0	100.00
		Network Engg. (503)	12	11	1	91.67
		Electronics & Communications Engg. (505)	13	11	2	84.62
		Electronics & Instrumentation (506)	1	1	0	100.00
		Information Technology (507)	17	17	0	100.00
		Power Systems (509)	7	7	0	100.00
		VLSI Design (511)	1	1	0	100.00

		Mechanical Engg. (MP) (517)	14	12	2	85.71
		TOTAL	**81**	**76**	**5**	**93.83**
MA (J)	1st	MA Journalism & Mass Communication (771)	18	17	1	94.44
MA (J)	3rd	MA Journalism & Mass Communication (771)	17	14	3	82.35
		TOTAL	**35**	**31**	**4**	**88.57**
MBA	1st	MBA (701)	68	54	14	79.41
MBA	3rd	MBA (701)	59	57	2	96.61
MBA	1st	MBA Specialization (703)	68	46	22	67.65
MBA	3rd	MBA Specialization (703)	55	49	6	89.09
		TOTAL	**250**	**206**	**44**	**82.40**
MCA	1st	MCA (601)	70	46	24	65.71
MCA	3rd	MCA (601)	65	58	7	89.23
MCA	5th	MCA (601)	34	33	1	97.06
		TOTAL	**169**	**137**	**32**	**81.07**
MSC (CH)	1st	M.Sc. Chemistry (751)	66	45	21	68.18
MSC (CH)	3rd	M.Sc. Chemistry (751)	58	46	12	79.31
MSC (P)	1st	M.Sc. Physics (752)	67	51	16	76.12
MSC (P)	3rd	M.Sc. Physics (752)	56	48	8	85.71
MSC (M)	1st	M.Sc. Mathematics (753)	60	32	28	53.33
MSC (M)	3rd	M.Sc. Mathematics (753)	59	36	23	61.02
MSC (EVS)	1st	M.Sc. Environmental Sciences (754)	38	36	2	94.74
MSC (EVS)	3rd	M.Sc. Environmental Sciences (754)	30	29	1	96.67
		TOTAL	**434**	**323**	**111**	**74.42**

DETAIL OF SCHOLARSHIPS

UNIVERSITY SCHOLASHIP SCHEMES 2019-20

Sr. No.	Name of Scholarship	No.of students allowed	Amount per student (in Rs.)	No. of students eligible during 2019-20	Amount disbursed during 2019-20 (in Rs.)	Eligibility Criteria
01.	**SCHOLARSHIP FROM STATE GOVT. DEPTTS.**					
a.	BC Post Matric Scholarship	No. limit of number of eligible students	Maintenance Allowance	Advertisement for applying online applications for BC students for the session 2019-20 are not published yet for Technical Education Courses and Scholarship is "under Audit" for Higher Education Courses		For BC students whose parental income less than 2.5 lac per annum
b.	SC Post Matric Scholarship	No. limit of number of eligible students	Tuition fee, Maint. Allowance & other charges	Advertisement for applying online applications for SC students for the session 2019-20 are not published yet for Technical Education Courses and Scholarship is " under Audit" for Higher Education Courses		For SC students whose parental income less than 2.50 lac per annum
02.	**UNIVERSITY SCHOLARSHIPS**					
a.	Dean Certificates Department wise	66 per semester	Rs.2,500/- + Certificate	132	330000/-	Toppers of each semester branch wise/course wise/B.Tech./MCA/MBA/ M. Tech./M.Sc./B.Sc./BBA/ BCA/BA/MA Courses
b.	Merit-Cum-Means Scholarship	15% of the sanctioned/ admitted strength of B.Tech./ MCA/ MBA course or actual intake whichever is less	750/- per month per student	47	176250/-	B.Tech., MBA, & MCA students whose parental income 4.50 lacs per annum and passed their last two semester exams and secured atleast 7.750 CGPA

03.	**MISC. SCHOLARSHIPS FROM OUTSIDE AGENCIES**					
a.	DLF Raghvendra Scholarship	No limit of number of students	tuition fee & other charges	01	40000/-	As per their norms
b.	AICTE J&K admitted student (PMSSS Scheme)	No limit of number of students	tuition fee & other charges	16	736626/-	As per their norms
c.	Vishwa Prakash Mission, Fbd.	No limit of number of students	tuition fee & other charges	35	1412565/-	As per their norms
d.	MOB (Merit cum means Schl.)	No limit of number of students	tuition fee & other charges	05	179175/-	As per their norms
e.	Guru Harkrishan Educational Society, Chandigarh	No limit of number of students	Other Charges	01	6000/-	As per their norms
f.	RKM Scholarship	No limit of number of students	Other Charges	02	10800/-	As per their norms
			Grand Total	**239**	**2891416/-**	

NOTE : Beside the above scholarships, number of students are getting scholarship from Central Sector Scheme, CBSE, Delhi, Minority Schl., Post Matric Merit-cum-Means Sch., Prime Minister Scholarship, Indian Army Scholarship, Railway, CRPF, National Talent Scholarship, Labour Welfare Board, Dr. B.R. Ambedkar Sch., Inspiron, Subroto memorial, INBA Scholarship, Siemens, Foundation of Excellence Schl., Jindal Foundation, PWF Scholarship, Kendriya Sainik Board, Post Graduation, Keep India Smiling Schl., DGP, Haryana Office, Vidya Sarathi Schl., Bihar PM Schl., Ex-Servicemen and from their Parent's office etc. directly on verification of their forms by our university.

UNIVERSITY WORKS
AND DEVELOPMENT

UNIVERSITY WORKS AND DEVELOPMENT

Executive Engineer : Mr. Ajay Taneja,
Sub Divisional Engineer: Mr. Anil Kumar Sharma

INTRODUCTION:

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

WORK IN PROGRESS (01.04.2019 to 31.03.2020)

Sr. No	Name of work with Agreement Name	Amt. of A/A (In Lacs)	Scope of work	Date of completion
1.	Const. of Multi storied officers Residence at YMCA University.	3850.00	Construction of 72 nos. flats in 2 blocks @ 36 nos. flats per block.	31/12/2020
2.	Construction of Science Block in the YMCA University	2033.00	(G+9) Floor building with workshop at GF & Lecture rooms & labs on other floors.	31/12/2020
3.	CONSTRUCTION OF LECTURE HALL (G+3 FLOORS).	318.53	Finishing, Flooring & Staircase work under progress.	31/10/2020
4.	Upgradation of Sub-Station Building and P/F/I&C of 1000 KVA Transformer & other accessories in the University.	103.90	Load has been extended up to 1500KVA & Sub-Station is expected to be commissioned by 15/10/2020	30/11/2020
5.	Construction of post office & Dismantling, Recovery of the material on as is where is basis in the University.	12.08	Brick work completed up to roof level.	30/11/2020
6.	Construction of Girls Hostel (G+8) and Class-IV staff quarter (G+3) Residence at J.C. Bose university.	1600.00	RCC work in columns under progress at Ground Floor.	30/08/2021

7.	Dismantling of old staff quarter's as is where is basis in the university.	25.91	One row of houses is yet to be demolished.	30/11/2020
8.	Supply, Installation, Testing & Commissioning of 4 Nos. Lifts at Multi-storied Flats in J.C. Bose University	116.16	Material received at site.	30/11/2020
9.	Supply, Installation, Testing & Commissioning of 2 Nos. Lifts at Academic Block in J.C. Bose University.	56.70	Material received at site.	30/11/2020
10.	Providing & fixing classroom benches Science & technology in YMCA University.	59.74	125 Nos. Benches have already been supplied.	31/10/2020
11.	Renovation & furnishing of reading room and digital section of central library in the university.	11.55	Finishing work Under Progress.	31/10/2020
12.	Renovation of HAS Staff room, MBA Block, Administrative Block and other location of the university.	24.03	Finishing work Under Progress.	30/11/2020
13.	Construction of international cell at ground floor & faculty room at 1st floor of J.C. Bose university of Science & Technology.	11.04	Under progress.	13/11/2020
14.	P/F/I/C of Independent feeder for the J.C .Bose university.	101.25	Independent feeder for University	16/01/2021
15.	Construction of canteen mess and student activity center in the university.	471.00	Foundation work under progress.	30/03/2021

16.	Replacement of existing M.S window with the Aluminum window at all places.	8.48	Letter issued for delay in work.	30/11/2020
17.	Furnishing work in newly constructed lecture hall building of J.C. Bose University Science & Technology, YMCA, Faridabad.	31.67	Work started.	30/11/2020
18.	CONSTRUCTION OF PUMP ROOM, U.G.WATER TANK, BOUNDARY WALL, STILT & BASEMENT WORK AT J.C.BOSE UST, FARIDABAD	216.72	Layout done & work is under progress.	07/01/2021
19.	Fabrication, Fitting, Testing and Commissioning work of Clean room lab in IInd floor of the University.	3.60	Work is under progress.	30/11/2020
20.	Sanitization work in the J.C. Bose university of Science & Technology, YMCA Faridabad.	1.42	Under progress.	30/10/2020
21.	Furnishing work in Newly Constructed Lecture Hall Building of J.C. Bose University Science & Technology, YMCA Faridabad.	32.92	Work started.	30/11/2020
22.	Construction of Pump room, U.G water tank, Boundary wall, Stilt & Basement work at J.C Bose University.	207.75	Work is under progress	28/01/2021
23.	Work required to convert hostel rooms in the mess due to demolition of mess in J.C. Bose university of science & Technology, YMCA Faridabad.	1.22	Work is under progress	13/11/2020

COMPLETED WORKS/BUILDINGS (01.04.2019 to 31.03.2020)

Sr. No	Name of work with Agreement Name	Amt. of A.A (In Lacs)	Scope of work	Date of completion	Expenditure (In Lacs)
1.	Furnishing work in 2nd year BSC Animation Lab of the University.(RUSA)	9.90/150	B.sc animation lab furniture & faculty cabins.	31/08/2019	9.90
2.	Construction of underground water tank near Girls Hostel.(RUSA)	10.58/150	RCC Slab laid finishing.	31/08/2019	10.58
3.	Providing & Fixing of class rooms benches & Drawing tables in the University.**(RUSA)**	17.00/150	Classroom benches supplied & Drawing tables.	15/08/2019	13.17
4.	Furnishing Work in VC's Residence and Camp Office in the University.	1.72/150	Furnishing Work.	16/05/2019	1.70
5.	Renovation Work in VC's Residence and Camp Office in the University.	4.49/150	Renovation Work.	16/06/2019	4.31
6.	Renovation of GEW in the University **(RUSA).**	28.37/150	Renovation Work.	25/10/2019	28.37
7.	Renovation & Furnishing work in establishment section to be converted in to board room& Existing board room in to waiting lounge.	20.66	Renovation & Furnishing work in establishment section to be converted in to board room.	03/09/2019	18.45

8.	Installation of 2 Megapixel IP HD CCTV CAMERA/Fire alarm system in bank and office building of JC Bose University.	20.65	Installation of 2 Megapixel IP HD CCTV CAMERA/Fire alarm system in bank and office building	15/08/2019	Final bill is under process.
9.	S/E/T/C of HVAC work in the 2nd year B.SC Animation Lab in the University. **(RUSA)**	4.81/150	S/E/T/C of HVAC work in the 2nd year B.SC Animation Lab.	04/10/2019	4.81
10.	Furnishing work for office and classroom for the newly allocated floor of Community college in the University.	5.02	Furnishing work for office and classroom for the newly allocated floor of Community college	01/09/2019	5.02
11.	Construction of Multipurpose Hall at Shakuntlam Park in University.	443.00	Multipurpose Hall with 2 Nos. indoor badminton courts.	15/02/2020	443.00
12.	Const. of Boundary wall of front portion of the University.	55.67	Const. of boundary wall along with grills.	10/12/2019	47.77
13.	Extension of Mechanical Block of YMCA University.	213.00	Construction of 4th floor above existing Mechanical Building.	25/02/2020	144.63
14.	The whitewash, Painting in boys hostel mess, replacing window glass panes in the boys hostel and renovation of pantry of VC office, B/F collapsible gate & window shades in the new COE office of university.	6.61	Whitewash, Painting in boys hostel mess, replacing window glass panes in the boys hostel & P/F Emulsion Paint, Collapsible Gates, Windows Shades etc.	22/09/2019	6.61

15.	Providing, Fixing, Installation and Commissioning of 20 meter High Mast LED Light in Play Ground. **(RUSA).**	9.63/50	High Mast with LED Light installed in playground & Park opposite Girls Hostel.	13/08/2019	9.55
16.	Electrical work in computer center of the university**.**	4.96	Electrical work in computer center.	21/09/2019	4.87
17.	Officer Furniture of mechanical engineering department in J.C. Bose University.	4.25	Officer Furnishing work of mechanical engineering department.	05/10/2019	4.19
18.	Furniture Of Electrical Lab in J.C. Bose University**(RUSA).**	4.89	Furnishing work of Electrical Lab.	05/10/2019	4.74
19.	Furnishing work in Water Testing lab in J.C. Bose University (RUSA).	4.44	Furnishing work in Water Testing lab.	13/10/2019	3.80
20.	Acoustic Treatment at Existing Multi-storied shakuntlam hall in the University.	28.03	Acoustic treatment work at shakuntlam Completed.	10/01/2020	24.19
21.	Tree planting at various places in J.C. Bose University.	2.92	Tree planting at various places	10/01/2020	2.66
22.	Sanction for providing 6" bore to supply raw water for teaching block and RO water plant of mess and bathroom of boys hostel of the university.	3.67	Sanction for providing 6" bore to supply raw water for teaching block and RO water plant of mess and bathroom of boys hostel	07/12/2019	3.63

23.	Furnishing work of two staff room at 2nd floor in J. C. Bose university.	4.84	Furnishing work of two staff room at 2nd floor	30/01/2020	4.77
24.	Sanction for purchasing of public health items for hostel and teaching block and campus of the university.	1.21	Sanction for purchasing of public health items for hostel and teaching block and campus	22/11/2019	1.20
25.	Consultancy for Furnishing Work in Newly constructed Science Block.	0.95	Consultancy for Furnishing Work in Newly constructed Science Block	22/03/2020	0.95
26.	Renovation of Class room and converted in to smart class in MBA department of the University.	5.42	Renovation of Class room and converted in to smart class in MBA department	22/01/2020	5.25
27.	Deployment of Housekeeping Agency for sanitation and housekeeping work in J.C. Bose university.	10.05 (P.M.)	Deployment of Housekeeping Agency for sanitation and housekeeping work	31/07/2020	10.05 (P.M.)
28.	Fixing of M.S. grill in green belt in front of main gate of the University.	5.29	Fixing of M.S. grill in green belt in front of main gate	27/01/2020	5.11
29.	Auction of scrap lying in the maintenance section on as is where is basis in the University.	1.05	Auction of scrap lying in the maintenance section	07/12/2019	1.39
30.	Main gate of computer block on tiling work and other repair work etc. at different location of the university.	5.16	Main gate of computer block on tiling work and other repair work etc. at different location	30/01/2020	5.05

31.	Providing & Fixing of Customize Framed Portrait Drawing for newly renovated board room & Auditorium in J.C. Bose University.	3.68	Providing & Fixing of Customize Framed Portrait Drawing for newly renovated board room & Auditorium	07/02/2020	3.45
32.	Whitewash in V.C. office, MBA Block, & diff. location of the University.	2.70	Whitewash in V.C. office, MBA Block, & diff. location	10/02/2020	2.58
33.	Furnishing work in JMC lab in Mechanical Block of J.C. Bose university.	4.97	Furnishing work in JMC lab in Mechanical Block	06/02/2020	4.78

FINANCIAL SUMMARY

CONTROLLER OF FINANCE : DR. MUNISH VASHISHTH

Sr. No.	Head of Account	Actuals 2018-19	Actuals 2019-20	Budget Estimates 2020-21
	RECEIPTS			
A.	Opening Balance	4,643.87	4,419.22	2,218.77
B.	State Govt. Grant	2,300.00	2,500.00	4,000.00
C.	Internal Receipts	2,165.24	2,452.44	1,812.00
D.	Self Financing Schemes	1,368.88	1,408.16	1,475.73
E.	Funding Agencies	1,268.62	640.66	102.66
	Total	**11,746.61**	**11,420.48**	**9,609.16**
	EXPENDITURES			
A.	State Govt. Grant	2,942.45	3,265.77	4,492.73
B.	Self Financing Schemes	1,027.25	1,553.69	2,023.35
C.	Funding Agencies	174.07	1,080.52	687.11
G	Corpus Fund	434.57	-	500.00
D.	Construction Works	3,183.63	3,301.72	3,498.65
	Total	**7,327.39**	**9,201.70**	**10,701.84**

J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD

NAAC 'A' Grade Accredited State Govt. University

(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)

NH- 2, SECTOR-6, MATHURA ROAD
FARIDABAD, HARYANA-121006

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YMCA MOB GOLDEN JUBILEE GATE
J.C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA, FARIDABAD