



## **YMCA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

### **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)

## **ANNUAL REPORT**

2016-17



## **FOREWORD**



It gives me immense pleasure in presenting the Annual Report of the YMCA University of Science and Technology, Faridabad for the session 2016-2017. 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.

YMCAUST, Faridabad, recognized under 2(f) and 12(B) of UGC Act 1956, has made national presence by providing quality education during the last one year; YMCAUST has contributed immensely in the field of technical education and research. The wide spectrum of programmes offered by the University includes Six Undergraduate, 15 Post-graduate and Ph.D. programmes in all disciplines. The University has started new Science courses in the discipline of Environment Science and Chemistry and M.A. (Journalism & Mass Communication) from the academic session 2016-17. 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 YMCA University of Science and Technology, Faridabad for the year ending 31<sup>st</sup> March, 2017 is presented here. The Report contains information about the University bodies, faculty and staff positions, research initiatives, academic progress, Departmental and co-curricular activities, placements and financial summary.

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

- |    |                          |  |
|----|--------------------------|--|
| 1. | Archana Aggarwal         | Assistant Professor, Department of Electronics Engineering |
| 2. | Dr. Sonia Bansal         | Assistant Professor, Department of Humanities and Sciences |
| 3. | Sh. Rajiv Sindwani       | Assistant Professor, Department of Management Studies      |
| 4. | Dr. Payal Gulati         | Assistant Professor, Department of Computer Engineering    |
| 5. | Sh. Mukesh Gupta         | Sr. Instructor, Department of Computer Engineering         |
| 6. | Dr. Sakshi Bangia        | Assistant Professor, Department of Electronics Engineering |
| 7. | Mrs. Nitin Sachdeva      | Assistant Professor, Department of Electronics Engineering |
| 8. | Sh. Jitender Singh Yadav | Public Relation Officer                                    |

The Report presents the highlights of the activities and achievements of the YMCA University of Science & Technology (YMCAUST), Faridabad during the year 2016-2017. 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**

YMCA University of Science & Technology, Faridabad established in 2009 vide Haryana Govt. Gazette Notification No.29 of 2009 dated 16.9.2009(Haryana Act No. 21 of 2009) formerly known as YMCA Institute of Engineering, Faridabad, established in 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 1<sup>st</sup> Year and also has been allowed to admit students in 2<sup>nd</sup> year through Lateral Entry Entrance Test. Besides Under Graduate Degree Courses, 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**

YMCA University of Science and Technology 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	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	30-03-2016	Till date

**DEANS (2016-17)**

<b>Dean's Name</b>	<b>Faculty</b>
Dr. Sandeep Grover	Dean, Institutions
Dr. Tilak Raj	Dean, Engg. & Tech.
Dr. Arvind Gupta	Dean, Management Studies
Dr. Raj Kumar	Dean, Humanities and Sciences
Dr. Vikram Singh	Dean, Academics Affair
Dr. Atul Mishra	Dean, Research & Development
Dr. Naresh Chauhan	Dean, Student Welfare

**CHAIRPERSONS OF DEPARTMENTS (2016-17)**

<b>Name</b>	<b>Department</b>
Dr. Tilak Raj	Department of Mechanical Engineering
Dr. Komal Kr. Bhatia	Department of Computer Engineering
Dr. Atul Mishra	Department of Information & Technology
Dr. Munish Vashishath	Department of Electronics Engineering
Dr. Rajesh Ahuja	Department of Electrical Engineering
Dr. Raj Kumar	Department of Humanities and Sciences
Dr. Arvind Gupta	Department of Management Studies

**OTHER OFFICERS**

<b>Position</b>	<b>Name of Official</b>
First Appellate	Dr. C.K. Nagpal
Controller of Examination & Director- IQAC	Dr. Hari Om
Controller of Finance	Dr. Pradeep Dimri
Chief Hostel Warden	Dr. Vikas Turk
Proctor	Dr. Manjeet Singh
Training & Placement Officer	Dr. Lakhwinder Singh
Principal, Community College	Dr. Vikas Turk
Dy. Dean – Affiliation	Dr. Ashutosh Dixit
Librarian	Sh. P.N. Bajpai
DR – Establishment	Dr. Rajiv Kumar Singh
DR - Academics	Sh. Harish Kumar
DR – Store & Purchase	Sh. Mukesh Gupta
Workshop Superintendent	Sh. Vivek Sharma
Public Relations Officer - Nodal Officer (RTI)	Mr. Jitender Singh Yadav
Assistant Law Officer – ASPIO	Ms. Renu Dagar



### YMCAUST AT A GLANCE

STRENGTH OF STAFF		
Sr. No.	Details (2015-16)	Count
1	Teaching Staff	134
2	Non-Teaching Staff	160
ACADEMIC DETAILS		
1	Ph.D. Admissions	12
2	Papers published: National/International	399
3	Participation in Conference/Seminar/Workshop/STC	146
4	Seminar/Workshop/STC Organized	44
5	Total Students who qualified CAT/GATE	42
6	Student Admissions	1008
7	Total Existing Students	2683
8	Student Placements	327

### MEETINGS OF UNIVERSITY BODIES (2016-17)

Sr. No.	Name of Body	Meeting Held
1	University Court	5 <sup>th</sup> meeting on 30-03-2017
2	Executive Council	24 <sup>th</sup> meeting on 21-08-2017
3	Finance Council	9 <sup>th</sup> meeting on 28-03-2017
4	Academic Council	13 <sup>th</sup> meeting on 19-07-2017
5	Establishment Committee	20th meeting held on 09-03-2017



## BODIES OF UNIVERSITY

*YMCA University of Science & Technology, Faridabad Act, 2009 (Haryana Act No. 21 of 2009)*

(Gazette Notification No. Leg. 29/2009, dated 16-09-2009)

### A) THE UNIVERSITY COURT:

#### Section-9 & 10 of University Act (Statutes):

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.

### CONSTITUTION OF COURT

Sr.	Membership as	Name of Member	Duration	
			From	Till
1	Chairman, Chancellor- YMCAUST	His Excellency, Governor of Haryana	Ex-Officio Chairman	
2	Vice Chancellor- YMCAUST	Prof. Dinesh Kumar	Ex-Officio Member	
3	Secretary to Govt, Finance Deptt.	Ms. Ranju Parshad, IPOS (Nominee)	Ex-Officio Member	
4	Secretary to Govt, Technical Education Deptt.		Ex-Officio Member	
5	Legal Remembrance, Haryana or his nominee		Ex-Officio Member	
6	Director, Technical Education Department		Ex-Officio Member	
7	Dean- Engg & Tech	Dr. Tilak Raj	Ex-Officio Member	
8	Dean- HAS	Dr. Raj Kumar	Ex-Officio Member	
9	Dean- Management	Dr. Arvind Gupta	Ex-Officio Member	
10	Controller of Examinations	Dr. Hari Om	Ex-Officio Member	
11	Professors of the University not exceeding five, on the basis of seniority by rotation:	Dr. C.K. Nagpal, Professor-Comp Engg.	01-08-2016	31-07-2018
12		Dr. Rajesh Kr Ahuja, Professor-Electrical Engg.	01-08-2016	31-07-2018



13		Dr. P.R. Sharma, Professor-Electrical Engg.	01-08-2016	31-07-2018
14		Dr. Vikram Singh, Professor-Mech Engg.	01-08-2016	31-07-2018
15		Dr. Komal Kr Bhatia, Professor-Comp Engg.	01-08-2016	31-07-2018
16	Four teachers from amongst the readers and lecturers of the University of whom at least two shall be readers on the basis of seniority by rotation:	Mrs. Poonam Singhal, Associate Professor	01-08-2016	31-07-2018
17		Dr. Anju Gupta, Associate Professor	01-08-2016	31-07-2018
18		Sh. Mukesh Gupta, Assistant Professor	01-08-2016	31-07-2018
19		Dr. Pradeep Kumar, Assistant Professor	01-08-2016	31-07-2018
20	5 persons as nominated by Hon'ble Chancellor for 2 years	Dr. Rajbir Singh, Director-Centre for Educational Comm.	01-08-2016	31-07-2018
21		Prof. Ashok Agarwal, Kurukshetra University	01-08-2016	31-07-2018
22		Sh. Rakesh Agarwal, E.D-Gateway Instauration, Sonapat	01-08-2016	31-07-2018
23		Prof. (Retd) Om Prakash Arora, Kurukshetra University	01-08-2016	31-07-2018
24		Lt. Gen. (Retd) K.S. Yadava, Former VC- YMCAUST	01-08-2016	31-07-2018
25	Law Officer	Mrs. Renu Dagar, Asstt Law Officer	01-08-2016	31-07-2018
26	Librarian	Sh. P.N. Bajpai, Asstt Librarian	01-08-2016	31-07-2018
27	Registrar –Member Secretary	Dr. Sanjay Kumar Sharma	Ex-Officio	

## 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.	Name of Member	Duration of Membership	
		From	Till
1	Prof. Dinesh Kumar, Vice Chancellor	Ex-Officio Chairman	
2	Ranju Parshad, IPOS (Nominee) , 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	Dr. Pradeep Kumar, Controller of Finance, YMCA UST	Ex-Officio Member	
<b>Members as nominated by Hon'ble Chancellor</b>			
6	Prof. Tankeshwar Kumar, V.C-G.J. University, Hisar	01-08-2016	31-07-2018
7	Prof. K.C. Sharma, V.C.-Kurukshetra University	01-08-2016	31-07-2018
8	Prof. K.K Agarwal, Former V.C-I.P. University, Delhi	01-08-2016	31-07-2018
9	Prof. Yogesh Singh, VC –Delhi Technological University	01-08-2016	31-07-2018
10	Prof. S.P. Bansal, V.C-I.G. University, Rewari	01-08-2016	31-07-2018
11	Prof. P.J. George, Director-KITM Kurukshetra	01-08-2016	31-07-2018
12	Dr. Prashant Bhalla, President-Manav Rachna Institutions	01-08-2016	31-07-2018
13	Dr. Sanjay Kumar Sharma, Registrar-Member Secretary	Ex-officio	

### C) EXECUTIVE COUNCIL OF THE UNIVERSITY

#### Section-11 & 12 of University Act (Statutes):

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.

### CONSTITUTION OF EXECUTIVE COUNCIL

Sr.	Name of Member	Duration of Membership	
		From	Till
1	Prof. Dinesh Kumar, Vice Chancellor	Ex-Officio Chairman	
2	Ms. Ranju Parshad, IPOS (Nominee), 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	Dr. Sandeep Grover, (Dean-Institutions)	Ex-Officio Member	
6	Dr. Tilk Raj, Dean ( Engg & Tech)	01-08-2016	31-07-2018



7	Dr. Raj Kumar, Dean (HAS)	01-08-2016	31-07-2018
8	Dr. Arvind Gupta, Dean –Management	01-08-2016	31-07-2018
9	Dr. C. K. Nagpal, Professor	19-07-2016	18-07-2018
10	Dr. S.K. Agarwal, Professor	19-07-2016	18-07-2018
11	Prof. Prem Vrat, Former Director-IIT Roorkee and Pro-Chancellor; Professor of Eminence and Chief Mentor.	01-08-2016	31-07-2018
12	Prof. S.C. Goel (Retd) C.C.S.H.A University, Hisar	01-08-2016	31-07-2018
13	Dr. N.C. Wadhwa, Retd IAS, V.C, M.R. University, Faridabad	01-08-2016	31-07-2018
14	Sh. Mayank Pareek, E.D- Frevent Global LLP, Faridabad	01-08-2016	31-07-2018
15	Prof. D.P. Bhardwaj (Retd) K.L.P.G. College, Rewari	01-08-2016	31-07-2018
16	Sh. Raj Bhatia, M.D. Bony Polymer, Faridabad	01-08-2016	31-07-2018
17	Registrar	Ex-Officio Secretary	

**D) FINANCE COMMITTEE OF THE UNIVERSITY:**

**Section-15 & 16 of University Act (Statutes):**

The Finance Committee shall exercise the following powers:

The Finance Committee Shall examine the accounts and scrutinize the proposals for expenditure and shall submit the annual budget to the Executive Council for approval. No expenditure in the budget shall be incurred by the University without the prior approval of the Finance Committee which shall fix limits for the total recurring and non-recurring expenditure for the year based on the resources and the income of the University. No expenditure shall be incurred by the University in excess of the limits so fixed.

**CONSTITUTION OF FINANCE COMMITTEE**

S. No.	Membership as	Member	Term of membership	Date of Incorporation as member	Membership Valid till
1.	Hon'ble Vice-Chancellor, YMCA University of Science Technology, Faridabad(Chairperson)	Prof. Dinesh Kumar		Ex-officio Member	
2.	Secretary to Govt., Finance Department, Haryana	Ms. Ranju Parshad, IPOS (Nominee)		Ex-officio Member	
3.	Secretary to Govt, Technical Education Department, Haryana			Ex-officio Member	
4.	Director General- Technical			Ex-officio Member	



	Education Department, Haryana			
5.	Controller of Finance- YMCAUST	Dr. Pradeep Kumar	Ex-officio Member	
6.	Registrar-YMCAUST	Dr. Sanjay Kumar Sharma	Ex officio Member Secretary	
7.	Dean (Engg & Tech)	Dr. Tilak Raj	07-12-2016	06-12-2018
8.	Dean (HAS)	Dr. Raj Kumar	07-12-2016	06-12-2018
9.	Member of Finance Committee, nominated by Chancellor on recommendations of the Vice-Chancellor	Sh. Mayank Pareek, CA & ED- Frevent Global LLP, Faridabad (Nominee- Governor)	07-12-2016	06-12-2018
10.	Member of Finance Committee nominated by Vice-Chancellor	Dr. Neera Verma, Professor-Dept. of Economics, Kurukshetra University (Nominee- Governor)	07-12-2016	06-12-2018

## **E) ACADEMIC COUNCIL**

### **Section-13 & 14 of University Act (Statutes):**

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.

### **CONSTITUTION OF ACADEMIC COUNCIL**

Sr.	Member	Duration	
		From	Till
1.	Prof. Dinesh Kumar, Vice Chancellor & Chairman	Ex-Officio Chairman	
2.	Director-General-Technical Education, Haryana	Ex-Officio Member	
3.	Dr. Sandeep Grover (Dean-Institutions)	Ex-Officio Member	
4.	Dr. Tilak Raj, Dean- Engg & Tech	Ex-Officio Member	
5.	Dr. Raj Kumar, Dean- HAS	Ex-Officio Member	
6.	Dr. Arvind Gupta, Dean- Management	Ex-Officio Member	
7.	Dr. Pradeep Kumar, Controller of Finance	Ex-Officio Member	



8.	Dr. Hari Om, Controller of Examinations	Ex-Officio Member	
9.	Sh. P.N. Bajpai, Librarian	Ex-Officio Member	
10.	Dr. C.K. Nagpal , Professor- FET	01-08-2016	31-07-2018
11.	Dr. Rachna Aggarwal, Associate Professor MBA	01-08-2016	31-07-2018
12.	Sh. Naresh Yadav, Assistant Professor- FET	01-08-2016	31-07-2018
13.	Dr. Divya Jyoti, Asstt Professor- HAS	01-08-2016	31-07-2018
14.	Mrs. Jyotsana, Asstt Professor MBA	01-08-2016	31-07-2018
15.	Dr. K.K. Gupta, Principal-Agarwal College, Ballabgarh	01-08-2016	31-07-2018
16.	Prof. N. Lal, V.C - Shri Shri University, Cuttack	01-08-2016	31-07-2018
17.	Dr. S.S.V. Ram Kumar, Director (R&D)	01-08-2016	31-07-2018
18.	Dr. Jitender Chhabra, Professor-NIT, Kurukshetra	01-08-2016	31-07-2018
19.	Dr. Indu Shekhar Shastri, Sr Manager-IOC	01-08-2016	31-07-2018
20.	Sh. Mangu Singh, MD-Delhi Metro	01-08-2016	31-07-2018
21.	Sh. Raj Bhatia, Chairman & MD-Bony Polymers(P) Ltd	01-08-2016	31-07-2018
22.	Sh. Anil Bhardwaj, Director, Ministry of Corporate Affairs	01-08-2016	31-07-2018
23.	Dr. Sanjay Kumar Sharma, Registrar-Member Secretary	Ex-Officio	

## F) ESTABLISHMENT COMMITTEE

### Section- 24 of University Act (Statutes):

- The Establishment Committee shall have the power to recommend to the Executive Council for appointments to non-teaching posts carrying an initial pay of Rs. 6500/- per mensem or more.

**Explanation.** - "appointment" shall include direct appointment as well as by promotion to all non-teaching posts including posts in the University Library and Sports Department, carrying initial pay of Rs. 8000/- per mensem or more.

### CONSTITUTION OF ESTABLISHMENT COMMITTEE

Sr.	Name of Member	Duration of Membership	
		From	Till
1	Prof. Dinesh Kumar, Vice Chancellor & Chairman	Ex-Officio	
2	Dr. Sandeep Grover, Dean-Institutions	Ex-Officio	
3	Prof. S.C. Goel	16-08-2016	31-07-2018
4	Dr. Raj Kumar, Dean-HAS	16-08-2016	31-07-2018
5	Dr. Pradeep Kumar, Controller of Finance, YMCAUST	Ex-Officio	
6	Dr. Sanjay Kumar Sharma, Registrar-YMCAUST	Ex-Officio Member Secretary	



**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	08		
				Assistant Professor	17	16		
		M.Tech.	Self-Financed	Professor	01	01		
				Associate Professor	01	00		
				Assistant Professor	01	00		
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	01		
		B.Tech. (Information Technology)	Self-Financed	Professor	02	00		
				Associate Professor	04	00		
				Assistant Professor	09	07		
				M.Tech (Information Technology)	Self-Financed	Professor	01	00
				Associate Professor	01	00		
				Assistant Professor	01	01		
Master of	Self-Financed	Professor	01	00				



		<b>Computer Applications</b>				
				Associate Professor	02	01
				Assistant Professor	04	04
<b>3.</b>	<b>Electrical Engineering Department</b>	<b>B.Tech.</b>	<b>Aided course</b>	Professor	02	01
				Associate Professor	04	03
				Assistant Professor	09	09
		<b>M. Tech.</b>	<b>Self-Financed</b>	Professor	01	00
				Associate Professor	01	00
				Assistant Professor	01	01
<b>4.</b>	<b>Electronics &amp; Instrumentation Control Department</b>	<b>B.Tech.</b>	<b>Aided course</b>	Professor	02	01
				Associate Professor	04	04
				Assistant Professor	10	10
<b>5.</b>	<b>Electronics &amp; Communication Engineering Department</b>	<b>B.Tech.</b>	<b>Self-Financed</b>	Professor	03	00
				Associate Professor	05	01
				Assistant Professor	10	09
		<b>M.Tech.</b>	<b>Self-Financed</b>	Professor	02	00
				Associate Professor	02	01
				Assistant Professor	02	01
<b>6.</b>	<b>Humanities &amp; Sciences Department</b>		<b>Aided Course</b>	Assistant Professor	10	09
		<b>M.Sc.</b>	<b>Self-Financed</b>	Professor	05	00
				Associate	05	00



				Professor		
				Assistant Professor	14	05
7.	<b>MBA Department</b>	<b>MBA</b>	<b>Self-Financed</b>	Professor	01	00
				Associate Professor	02	02
				Assistant Professor	05	05
			<b>TOTAL</b>		<b>178</b>	<b>119</b>

### RECRUITMENT (REGULAR) UPTO 30-06-2017

Sr. No.	Name	Department	Aided/Self-Financed	Post	Pay Scale	Date of Joining
1	Dr. Pradeep Kumar	Electronics Engg.	Aided	Associate Professor	37400-67000 +9000 GP	03-02-2017
2	Dr. Arti M.K.	Electronics Engg.	Aided	Associate Professor	37400-67000 +9000 GP	08-02-2017
3	Dr. Parveen Kumar	HAS (Physics)	Self Financed	Assistant Professor	15600-39100 +6000 GP	08-02-2017
	Dr. Sita Ram	HAS (Chemistry)	Self Financed	Assistant Professor	15600-39100 +6000 GP	13-02-2017

### NEW RECRUITMENT (CONTRACTUAL) UPTO 30-06-2017

Sr. No.	Name	Department	Post	Pay Scale / Remuneration	Date of Joining (Initial)
1	Dr. Geetanjali	HAS (Physics)	Assistant Professor	30000/-	26-07-2016
2	Ms. Dimpy Chauhan	HAS (Mathematics)	Assistant Professor	30000/	26-07-2016
3	Dr. Neetu Rani	HAS (Chemistry)	Assistant Professor	30000/	27-07-2016
4	Ms. Hemlata Aggarwal	HAS (Mathematics)	Assistant Professor	30000/	29-07-2016
5	Dr. Taruna Narula	HAS (Mass Comm)	Assistant Professor	30000/	09-08-2016
6	Ms. Aarti	HAS (Physics)	Assistant Professor	30000/	08-08-2016
7	Ms. Amandeep Kaur	HAS (Mass Comm)	Assistant Professor	30000/	07-12-2016
8	Ms. Nisha Goyal	Electronics Engg	Assistant Professor	30000/	07-02-2017
9	Ms. Ayyu Gupta	Information Technology	Assistant Professor	30000/	07-02-2017
10	Ms. Alka Choudhary	Computer Engineering	Assistant Professor	30000/	07-02-2017
11	Mr. Kamaldeep Singh Malik	Electronics Engg	Assistant Professor	30000/	13-02-2017
12	Ms. Mamta	Computer Engineering	Assistant Professor	30000/	13-02-2017
13	Ms. Nisha Yadav	Electronics Engg	Assistant Professor	30000/	14-02-2017
14	Ms. Shikha Gupta	Computer Engineering	Assistant Professor	30000/	06-03-2017
15	Ms. Jyotsana Parmar	Information Technology	Assistant Professor	30000/	08-03-2017



**RETIREMENT UPTO 30-06-2017**

<b>Sr. No.</b>	<b>Name</b>	<b>Department</b>	<b>Post</b>	<b>Date of Retirement</b>
1.	Mr. Surinder Raina	Mechanical Engineering	Associate Professor under CAS	30-04-2017



## FILLED AND UNFILLED STAFF POSITIONS

### NON- TEACHING/ ADMINISTRATIVE/ TECHNICAL STAFF (NON-PLANNED) POSTS AS ON 30-06-2017

S.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.	TPO	<u>37400-67000</u> + 10000	01	00	01
2.	Workshop Supdt.	15600-39100+7600	01	00	01
3.	Dy. Registrar(To be designated as AR)	9300-34800+ 5400	02	00	02
4.	Dy. Supdt	9300-34800+ 4000	02	0	02
5.	PA	9300-34800+ 4000	01	01	00
6.	Accountant	9300-34800+ 3600	01	00	01
7.	J.E (Civil)	9300-34800+ 4000	01	01	00
8.	Librarian (to be designated as Asstt. Librarian)	15600-39100+6000	01	01	00
9.	Library Counter Clerk	5200-20200+ 1900	03	01	02
10.	HOS	9300-34800+5400	07	06	01
11.	System Analyst cum Programmer	9300-34800+5400	01	01	00
12.	Sr. Instructor	9300-34800+4200	08	08	00
13.	Instructors	9300-34800+3600	15	12	03
14.	Technician	9300-34800+ 3600	08	08	00
15.	Assistant cum DEO	9300-34800+ 3600	09	07	02
16.	Sr. Stenographer	9300-34800+ 3600	05	04	01
17.	Dispenser	9300-34800+ 3600	01	01	00
18.	Sr. Storekeeper	9300-34800+ 3600	01	00	01
19.	Jr. Stenographer	5200-20200+ 2400	02	01	01
20.	Clerk-cum-JDEO	5200-20200+ 1900	12	11	01
21.	Electrician- Gr-I	5200-20200+ 2400	01	01	00
22.	Electrician	5200-20200+ 2400	03	03	00
23.	Driver	5200-20200+ 2400	02	02	00
24.	Carpenter	5200-20200+ 1900	01	01	00
25.	Male Dispensary Attendant	4440-7440+ 1400	01	00	01
26.	Peon	4440-7440+ 1300	11	10	01
27.	Helper/ Attendant	4440-7440+ 1300	14	14	00
28.	Medical Officer (Part Time) Male	20,000/- pm consolidated	01	01	00
29.	Medical Officer (Part Time) Female	20,000/- pm consolidated	01	00	01
	<b>TOTAL (AIDED)</b>		<b>117</b>	<b>95</b>	<b>22</b>



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

ON 30-06-2017

S. 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	00	01
4.	Dy. Registrar	15600-39100+7600	03	01	02
5.	Assistant Law Officer	9300-34800+4600	01	01	00
	System Manager	15600-39100+7600	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.	Superintendent	9300-34800+4200	02	01	01
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	01	00
21.	Clerk-cum-JDEO	5200-20200+ 1900	08	05	03
22.	Electrician- Gr-I	5200-20200+2400	01	01	00
23.	Generator Operator	5200-20200+1900	01	01	00
24.	Lineman	5200-20200+2400	01	01	00
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	00	01
	<b>TOTAL (AIDED)</b>		<b>43</b>	<b>24</b>	<b>19</b>



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

ON 30-06-2017

S. 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)	01	02
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)	00	02
6.	Technician (SFS)	9300-34800+3600	02 (SFS)	01	01
7.	Data Entry Operator	5200-20200+ 1900	04 (SFS)	02	02
		<b>Total</b>	<b>16</b>	<b>6</b>	<b>10</b>

## NON-TEACHING STAFF (REGULAR) AS ON 30-06-2017

S.No	Name	Designation	Date of Joining
1.	Prof. Dinesh Kumar	Vice Chancellor	04-11-2015
2.	Dr. Sanjay Kumar Sharma	Registrar	30-03-2016
3.	Dr. Rajiv Kumar Singh	Dy. Registrar	01-03-2014
4.	Sh. M. L. Virmani	Controller of Finance	Additional Charge
5.	Dr. Vikas Turk	Workshop Superintendent	Additional Charge
6.	Sh. P. N. Bajpai	Assistant Librarian	28-03-2006
7.	Sh. Rajpal	Dy. Supdt.	01-12-1983
8.	Smt. Renu Chawla	Personal Assistant	20-03-1986
9.	Sh. Dinesh Arora	Personal Assistant	17-11-1989
10.	Sh. Satya Pal Kalyan	Personal Assistant	30-04-1993
11.	Sh. A. K. Sharma	SDE (Civil)	23-12-1994
12.	Sh. Om Prakash	JE (Electrical)	07-03-2008
13.	Sh. Tulsi Ram Chauhan	JE (Civil)	16-07-2014
14.	Smt. Renu Dagar	Asstt. Law Officer	11-07-2014
15.	Sh. Jitender Singh Yadav	Public Relation Officer	31-07-2014
16.	Ms. Sarita Jain	Nurse	05-08-2014
17.	Smt. S. Pillai	Assistant	20-10-1999
18.	Sh. Hardayal Singh	Assistant	03-07-1985
19.	Sh. Sanjay Singh	Assistant	14-01-2013



20.	Sh. Saurabh Chaudhary	Assistant	17-01-2013
21.	Ms. Arti Singh	Assistant	26-11-2013
22.	Sh. Sharad Fuloria	Assistant	28-11-2013
23.	Sh. Jogender Singh Gaud	Assistant	05-12-2012
	Sh. Abhinav	Assistant	19-12-2016
24.	Ms. Richa Rani	Sr. Steno	04-12-2013
25.	Ms. Seema Sharma	Sr. Steno	15-01-2013
26.	Smt. Sunita	Sr. Steno	18-07-2014
27.	Sh. Rajeev Sharma	Sr. Steno	05-02-2013
28.	Sh. Ankur Bhushan Goyal	Dispenser	06-06-2012
29.	Sh. Ankur Gupta	Cashier	28-07-2016
30.	Sh. Ashish Kumar Malik	Store Keeper	14-07-2014
	Sh. Prince	Jr. Steno	02-08-2016
31.	Sh. Balwan Singh	Typist/ Clerk	06-11-1987
32.	Sh. Shiv Raj	Typist/ Clerk	11-03-1991
33.	Ms. Jyoti Gaur	Typist/ Clerk	09-11-2012
34.	Sh. Shishupal Kesri	Typist/ Clerk	09-11-2012
35.	Ms. Anuradha	Typist/ Clerk	09-11-2012
36.	Mr. Naresh Kumar	Typist/ Clerk	09-11-2012
37.	Ms. Lalita Kumari	Typist/ Clerk	08-11-2012
38.	Mr. Mahender Saini	Typist/ Clerk	09-11-2012
39.	Mr. Hem Singh	Typist/ Clerk	24-01-2013
40.	Ms. Sandhya Jaiswar	Typist/ Clerk	24-01-2013
41.	Sh. Jaswant	Typist/ Clerk	25-07-2014
42.	Sh. Mohit Sharma	Typist/ Clerk	25-07-2014
43.	Sh. Rajdeep	Typist/ Clerk	01-08-2014
44.	Sh. Parmod Kumar	Typist/ Clerk	01-08-2014
45.	Mr. Jitender Singh	Typist/ Clerk	27-09-2002
46.	Mr. Sanjay Mishra	Typist/ Clerk	07-08-2006
47.	Sh. Avnish Kumar Gaur	Lab Assistant	04-08-2014
48.	Ms. Savita Devi	Lab Assistant	08-09-2014
49.	Sh. Bhagwat Dayal	Electrician	14-03-2012
50.	Sh. Ashok Kumar	Electrician	14-03-2012
51.	Sh. Anil Kumar	Electrician	19-11-2012
52.	Sh. Chand Kishore	Electrician Grade-II	11-07-2014
53.	Sh. Parveen	Lineman	15-07-2014
54.	Sh. Ram Niwas	Driver	05-03-1997
55.	Sh. Jagdish Sharma	Driver	15-03-2012
56.	Sh. Tipu Singh	Plumber	11-07-2014



57.	Sh. Bijender	Carpenter	13-08-2012
58.	Ms. Sadhna Bajpai	L.C.C.	21-01-2008
59.	Sh. Avnish Kumar Sharma	Generator Operator	14-07-2014
60.	Mr. Naresh Pahadia	Peon	13-03-2012
61.	Mr. Heera Lal Prajapat	Peon	12-03-2012
62.	Mr. Raj Kumar	Peon	12-03-2012
63.	Mohd. Sakir	Peon	22-03-2012
64.	Mr. Jagbir Singh	Peon	20-03-2012
65.	Mr. Ram Prakash	Peon	19-03-2012
66.	Mr. Satbir	Peon	20-03-2012
67.	Mr. Satish Chand Parewa	Peon	20-03-2012
68.	Sh. Mohit Kumar	Peon	25-11-2013
69.	Sh. Amit Kumar Saroha	Peon	25-11-2013
70.	Mr. Mohit Khan	H/Attendant	03-07-1985
71.	Mr. Kishore Kumar	H/Attendant	03-07-1985
72.	Mr. Mahabir Singh	H/Attendant	17-11-1994
73.	Mr. Rajbir	H/Attendant	01-04-1998
74.	Mr. Jang Bahadur Singh	H/Attendant	04-06-2001
75.	Mr. Satish Kumar	H/Attendant	22-10-1996
76.	Mr. Pappi	H/Attendant	05-04-1990
77.	Mr. Varun	H/Attendant	21-03-2012
78.	Mr. Kailash	H/Attendant	25-07-2014
79.	Mr. Jai Kishan Verma	H/Attendant	25-07-2014
80.	Mr. Bishan Pal	H/Attendant	09-11-1987
81.	Dr. Amit Gupta	Medical Officer (Part Time)	-

**WORKSHOP STAFF (REGULAR) AS ON 31.03.2016**

S.No.	Name	Designation	Date of Joining
1.	Sh. J. P. Sharma	HOS (Comp. shop)	15-07-1985
2.	Sh. Lalit Mohan	HOS (ECE shop)	15-07-1994
3.	Sh. Dharamvir	HOS (EIC shop)	13-07-1992
4.	Sh. Satpal	HOS (GEW shop)	18-08-2006
5.	Sh. Ashish Pal	HOS (FWSMT shop)	21-01-2008
6.	Sh. Man Mohan Kakkar	HOS (RAC shop)	10-08-2006
7.	Sh. Himanshu Gandhi	System Manager	12-08-2009
8.	Sh. Anil Kumar Aggarwal	Sr. Instructor (EIC shop)	01-03-1984
9.	Mrs. Kusum Arora	Sr. Instructor (ECE shop)	16-10-2006
10.	Sh. V. K. Sandhal	Sr. Instructor (FWSMT shop)	02-07-1990



11.	Sh. Atul Sharma	Sr. Instructor (IT)	12-04-2012
12.	Sh. Mukesh Kumar Garg	Sr. Instructor (Comp. shop)	19-10-1993
13.	Sh. Pawan Kumar	Sr. Instructor (GEW shop)	26-03-2012
14.	Sh. Mukesh Kumar Gupta	Sr. Instructor (IT) Tenure	29-09-2006
15.	Sh. Sunder Singh	Sr. Instructor (M/c shop)	17-08-2006
16.	Sh. Rahish Kumar	Sr. Instructor (RAC shop)	15-02-2008
17.	Sh. Bhagat Singh	Instructor (M/c shop)	18-09-2006
18.	Mrs. Dipika Mandal (Naik)	Instructor (ECE shop)	25-01-2008
19.	Sh. Sanjay Kumar	Instructor (M/c shop)	29-01-2008
20.	Sh. Sanjay Upadhyay	Instructor (Smithy shop)	08-02-2008
21.	Sh. Sanjay Kumar	Instructor (Comp. Engg)	23-01-2008
22.	Sh. Udai Narayan Singh Kushwaha	Instructor (M/c shop)	09-04-2012
23.	Sh. Mukesh Kumar	HOS (ECE) Tenure	06-10-2006
24.	Sh. Mahinder	Instructor (M/c shop)	03-08-2006
25.	Sh. Sulender	Instructor (FWSMT)	04-08-2006
26.	Sh. Vijay Kumar	Instructor (EIC)	02-08-2006
27.	Sh. Ram Avtar	Instructor (ECE shop)	02-08-2006
28.	Mrs. Poulami Jana	Instructor (ECE)	01-02-2008
29.	Ms. Lavita Virmani	Instructor (ECE)	11-07-2014
30.	Mr. Neeraj Parashar	Instructor (CE)	11-07-2014
31.	Sh. Suresh Kumar	Technician (RAC)	01-02-2008
32.	Sh. Fateh Singh	Technician (M/c shop)	03-04-2012
33.	Mr. Puran Lal	Technician (GEW)	08-07-2013
34.	Mr. Krishan Bhardwaj	Technician (CE)	08-07-2013
35.	Mr. Bajj Nath	Technician (EIC)	09-07-2013
36.	Mr. Krishan Kumar	Technician-WSMT	11-07-2014
37.	Mr. Varinder Singh	Technician	22-03-2012

**NON-TEACHING & WORKSHOP STAFF (UNDER SFS) AS ON 31.03.2016**

S.No.	Name	Designation	Date of Joining	Remarks
1	Sh. Jitender Kumar	Sr. Instructor (IT)	26-03-2012	Tenure
2	Sh. Mohan Singh	Technician	26-03-2012	Tenure
3	Mr. Ashwini Manchanda	DEO	08-11-2012	Tenure
4	Mr. Jaswant Pahadia	DEO	07-10-2013	Tenure
5	Ms. Seema Raturi	L.C.C.	31-10-2012	Tenure
6	Ms. Hema Singh	Asstt. Library Professional	15-10-2012	Tenure



**NEW RECRUITMENT (REGULAR/SFS) UPTO 30-06-2017**

Sr. No.	Name	Post	Pay Scale	Date of Joining
1.	Dr, Ankur Sharma	Medical Officer	15600-39100+5400GP	08-02-2017
2.	Sh. Vikas Sharma	Assistant Registrar	15600-39100+5400GP	23-11-2016
3.	Sh. Sachin Gupta	Assistant Registrar	15600-39100+5400GP	24-11-2016
4.	Sh. Vivek Sharma	Workshop Suptd.	15600-39100+7600GP	06-02-2017
5.	Sh. Prince	Jr. Steno	5200-20200+2400GP	02-08-2016
6.	Sh. Abhinav	Assistant	9300-34800+3200GP	19-12-2016
7.	Sh. Ankur Gupta	Cashier	9300-34800+3200GP	04-09-2016
8.	Sh. Ajay Taneja	Executive Engineer	15600-39100+5400GP	03-11-2016

**NEW RECRUITMENT (CONTRACTUAL) UPTO 30-06-2017**

Sr. No.	Name	Post	Pay Scale/ Remuneration	Date of Joining
1.	Mrs. Suman Vashishta	Placement Officer	48000/- per months	19-12-2016
2.	Dr. Rajesh Kumar Bhardwaj	Sports Officer	28000/- per months	27-12-2016

**RETIREMENT UPTO 30-06-2017**

Sr. No.	Name	Post	Date of Retirement
1.	Smt. Ishwar Devi	Helper Attendant	31-05-2016



**RESEARCH INITIATIVES  
AND  
COURSES**



## RESEARCH INITIATIVES AND COURSES

The University started Ph.D. programmes in 2010-11 in all Computer Engineering, Mechanical Engineering, Electrical & Electronics Engineering. The three more disciplines in Physics, Maths and Management Studies were added in 2011-12. The enrollments in Ph.D. courses are:

Academic session	Computer Engineering	Mechanical Engineering	Electrical and Electronics 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)	-

## LIST OF PROJECTS SANCTIONED TO THE UNIVERSITY

S. No.	Name of Principal Investigator	Title of Research Project	Funding Agency	Duration	Year of Allotment	Amount(Rs.)
1.	Dr. Renuka Gupta	Distribution of Natural Uranium in Groundwater of NCR Region, India	Bhabha Atomic Research Centre, Mumbai	2 Years	2016	1 <sup>st</sup> year to be received : 1848750/-  2 <sup>nd</sup> year to be received : 720000 <b>Total: 27,37500</b>



## 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. Rajiv Saha, Dr. Parul Tomar	Mechanical, Computer Engineering	Preparation of blueprint for development of web-based University Management System for YMCA University.	Regular under Budgeted	2,00,000
2.	Dr. Nikhil Dev, Dr. Rajiv Saha	Mechanical	To develop fuel cell test facility and renewable energy data center at YMCAUST.	Regular under Budgeted	2,00,000
3.	Dr. Neelam Duhan, Dr. Komal Kumar Bhatia	Computer	The online student attendance portal for YMCAUST	Regular under Budgeted	1,93,000
4.	Dr. Parul Tomar, Dr. Sapna Gambhir	Computer	Digital YMCA	Regular under Budgeted	1,93,000
5.	Dr. Pradeep Kumar	Electronics	Development of Wireless Vehicle Verification System	Regular under Budgeted	1,50,000/
6.	Dr. Shailza Jain	Electronics	Analysis of Motion Dynamics of single axis Piezo-resistive actuated Nano-positioning System	Regular under Budgeted	1,00,000
7.	Ms. Preet Kaur	Electronics	SAR reduction in Human Head from Mobile Handset Radiation and Designing of low cost paper Antenna	Regular under Budgeted	1,00,000
8.	Mr Lalit Kumar, Mr. Prashant Kumar	Electronics	To Develop 3 Axis CNC Controller for Precision Applications	Regular under Budgeted	1,85,000/-
9.	Dr. Divyajyoti, Mr. Jitender Singh Yadav	HAS, PRO	Panchayati Raj Institutions Reform Behavioural Change Mapping (PPRIRBCM)	Regular under Budgeted	1,16,000
10.	Dr. Anuradha Sharma, Dr. Maneesha Garg	HAS	Development of Nano phosphors (Inorganic & organic): Luminescence and related studies	Regular under Budgeted	1,00,000
11.	Dr. Sonia Bansal	HAS	Position of AZO thin films by Sol Gel process for sensors	Regular under SFS	1,00,000
12.	Dr. Maneesha Garg, Dr. Anuradha Sharma	HAS	To study the Opto-electronic Properties of Intrinsically Conduction Polymers (ICPs)	Regular under SFS	1,00,000



13.	Dr. Manikant Yadav	HAS	Synthesis , characterization and properties of memory device using organic polymers.	Regular under SFS	50,000
14.	Dr. Renu Aggarwal, Ms. Monika	Management Studies, Ph.D. Scholar	To examine the impact of mobile banking on financial inclusion in Migrant Workers	Regular under SFS	2,00,000
15.	Prof. Navdeep Malhotra, Ms. Neha Goyal	Management Studies	Save green environment by finding the potential of kitchen waste as bio gas	Regular under SFS	2,00,000

### LIST OF R&D PROPOSALS GRANTED BY UNIVERSITY

S. No.	Name of Principal Investigator	Department	Title of Project	Regular under SFS/ Budgeted	Amount Sanctioned
1.	Dr. Arvind Gupta	Mechanical	Experimental Investigation of Heat Transfer Augmentation in a Fin Tube Heat Exchanger.	Regular under Budgeted	2,00,000
2.	Dr.SakshiBangia, Mr.KunalKataria(EIC-1973-2K13), Mudit Jindal(EIC-1978-2K13), Rajan Kumar (EIC-1989-2K13)and LatanshaRajpal(EIC-1974-2K13) (B.Tech students)	Electrical	BAYMAX v 1.0 Health monitoring system	Regular under Budgeted	69,780
3.	Dr. Sonia, Ms.AnuTanwar (MSCP-315-2K15), Pankaj Kumar Sharma(MSCP-313-2K15), Rishi Kumar Jha (MSCP-306-2K15), YogitaBhateja (MSCP-316-2K15 )(MSc physics 1 <sup>st</sup> year students)	HAS	Development of Solar Water Disinfection System (SODIS)	Regular under SFS	1,00000/
4.	Dr. ManeeshaGarg	HAS	Eco friendly Peltier Hot and Cold Device to maintain Temp between 5°C to 40°C	Regular under SFS	1,08,000/
5.	Dr. Renuka Gupta	HAS	Vermi-composting of domestic and industrial Wastes for sanitation in urban areas	Regular under SFS	2,00,000



**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 at a cost of about Rs. 25 lakh. Health Centre is having one regular and one part time doctor, one nurse, one pharmacist, one lab attendant and one attendant. The Health caters the need of all the students and staff, including regular check up and medicines for common ailments. The average of daily out-door patients are about 50 which include patients comes during odd hours.

The team of qualified doctors is always available to provide regular intensive medical care to the students. In case of emergency, the student is immediately transported to the hospital via University ambulance which is provided free of cost to the students. Computerized ECG, laboratory facilities with hematology analyzer and computerized biochemistry analyzer have also been provided.

The following facilities are available in the Health Centre:

1. First Aid Facility in case of minor injury.
2. Blood Pressure and Temperature measurement.
3. Blood Sugar by Glucometer.
4. Physicians Consultations.
5. Oxygen Concentrator.
6. Nebulizer Facility.
7. Weight and Height Measurement.
8. Wheel chair facility for Handicapped.
9. Visiting Doctor Facility.
10. Super Specialty health Camp.



**UNIVERSITY HOSTEL**



## BOY'S HOSTEL

**Chief Warden: Dr. Vikas Kumar**

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 December 2017 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	Sh. Suresh Kumar

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., and facility of newspaper. Magazines of national/international importance, indoor games like carom and T.T including LED TV have been provided in common rooms. 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.

One ambulance remains ready round the clock for exclusive use of students residing in the hostels. The Ambulance remains parked near Dispensary and one driver is available on the Ambulance round the clock.

## GIRLS' HOSTEL

**Chief Warden: Mrs. Neetu Gupta**

**Additional Chief Warden: Dr. Shailja Jain**

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 from 2016-2017.

S.No	Name of the Hostel	No. of Students	Name of the Warden
1.	Mother Teresa Wing	88	Dr. Shailja Jain
2.	Kalpana Chawla Wing	112	Dr. Sonia Bansal
3.	Sarojini Wing	84	Mrs. Amita Arora
4.	Kasturba Wing	88	Mrs. Sadhna Bajpai

Apart from the authorities there is a dedicated staff of 15 members who cater to the needs of the girls 24x7. The staff includes a resident attendant, matron, lady guards, sweepers, data entry operator, mason, maali and electrician.



The University provides Hostel accommodation to the undergraduate, post graduate and Ph.D students from all the streams (Engineering, Management and Humanities). The allotment is done on first come, first serve basis with preference given to the students who come from beyond 50 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
5. First aid and 24x7 Ambulance facilities.
6. Badminton and Basketball courts.
7. Sports and Recreational Facilities
8. CCTV surveillance.
9. Biometric Attendance System.
10. Sanitary Napkin Vending Machines and Incinerators in all the wings.
11. Geysers
12. Induction Cook Tops.
13. Newspapers and Magazines supply.
14. Wi-Fi
15. Apart from all the facilities mentioned above pest control and fumigation/spray for protection from rats and mosquitoes is done on regular basis.
16. Expert lectures are organized to create awareness amongst the girls to maintain hygiene and cleanliness.
17. Self Defense, Anti Ragging, Anti drugs, Career counseling and Yoga classes are also organized time to time.
18. 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.
19. 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.
20. Feedback registers, Complaint registers and suggestion box are maintained to address the grievances of the students.



## **PLACEMENT OF STUDENTS**



### PLACEMENT STATISTICS 2016 PASSED OUT BATCH

S.No.	Name of Company	No. of Offers	PKG Offered Lacs per annum	For branches visited
1	Maruti Suzuki India Ltd.	5	6.5 LPA for 1st year & 7.00 LPA for 2nd year onwards	MECH/CE
2	NBC Bearing	3	5.8 LPA	Mech.
3	Danfoss Group	4	13000/- PM	M.Tech MM & EIC
4	AMAZON(off campus)	5	40000/- PM & 27.00 LPA	B.Tech CS/IT/MCA
5	Tata Consultancy Service (TCS)	115	3.5 LPA	All branches
6	Smart Prix	1	10 LPA	B.Tech CE/IT
7	Sapient Global Markets	13	4.5 LPA	B.Tech CS/IT/ECE/EIC/EL
8	Indian Navy	R/A	11 LPA	All branches
9	YAMAHA motor solution Pvt. ltd	5	4 LPA	B.Tech CS/IT/MCA & M.Tech. CE/IT/CN
10	LIBSYS LTD.	4	5-8 LPA	B.Tech CS/IT/MCA
11	E-Care Solution Pvt. lab	9	4-8 LPA	B.Tech CS/IT.MCA & M.Tech CE,IT
12	Posist	0	5.2 LPA	B.Tech CS/IT/ &M.Tech CE/IT/CN
13	KPMG	6	4.8 to 5.2 LPA	B.Tech CS/IT/ECE/EIC
14	HCL	3	4.75 LPA	M.Tech CS/IT/CN
15	WIPRO LTD. (off campus)	4	3.2 LPA	B.Tech CS/IT/ECE/EIC/EL
16	Samsung Research institute	12	30000/- PM	B.Tech CS/IT
17	Opera Solutions Pvt. Ltd.	2	6 LPA	B.Tech CS/IT/MCA & M.Tech. CE/IT
18	Daffodils	3	3 LPA	B.Tech CS/IT/MCA
19	ITC	R/A	7.5 LPA	Mech, EL
20	JK Techno soft	2	3 LPA	B.Tech CS/IT/MCA & M.Tech. CE/IT/ CN
21	ST. MICROELECTRONICS	9	21000/-PM	B.Tech CE/IT
22	ADOBE	4	25000/-PM & 10LPA	B.Tech CE/IT
23	Code Brew Lab	4	3.35 LPA	B.Tech CS/IT/MCA & M.Tech. CE/IT
24	MPHRX	2	3.24 LPA	B.Tech CS/IT/MCA
25	GEMALTO	4	4.5 LPA	B.Tech CS/IT/MCA



S.No.	Name of Company	No. of Offers	PKG Offered Lacs per annum	For branches visited
26	Hero Motocorp	5	5.5 LPA	B.Tech MECH.
27	NAGARRO	NA	3.50 LPA	B.Tech CS/IT/ECE/EIC/EL
28	Visionary Health Tech. Pvt. Ltd(Curill) internship	2	10000/- PM	B.Tech CS/IT/MCA
29	Voltas	6	3.5LPA	B.Tech MECH
30	Mediatek India Pvt. Ltd	3	8.21 LPA	B.Tech ECE
31	BLUE STAR	5	5.25LPA	B.Tech MECH/EL/M.Tech
32	Dakin Airconditing pvt. Ltd	2	4 LPA for 1st year & 5.00 LPA for 2nd year onwards	M.Tech mech.
33	Jindal Steel Pvt. Ltd	2	7500/- Stipend	B.Tech CS/IT/EL/Mech.
34	Reliance communicaiton	1	3.6 LPA	B.Tech ECE/EIC/EL
35	Johnson Hitachi(Internship)	8	12000/- PM	B.Tech Mech.
36	Mediatek India Pvt. Ltd	1	8.1 LPA	B.Tech CE
37	Falcon Autotech Pvt. Ltd.	5	3.5 LPA	B.Tech Mech/EL
38	Carrier Media (China)	1	10.00 LPA	B.Tech MECH.
39	GKN Drive Line	2	3.6 LPA	B.Tech Mech.
40	ZIA Semiconductor	2	4-7 LPA	B.Tech ECE
41	Spirotech	6	19000/- PM	B.Tech Mech.
42	Cap-Gemini (off campus)	8	3.15 LPA	B.Tech CS/IT/ECE/EIC/EL
43	ARTech. (off campus)	1	2.56 LPA	B.Tech CS/IT/ECE/EIC/EL
44	Hitachi Consultating	1	4.5 LPA	B.Tech CS/IT/ECE/EIC
45	Lybrate	4	4.25 LPA	B.Tech CS/IT
46	Newgen	6	4.25 LPA	B.Tech. CS/IT/MCA&M.Tech CE/IT/CN/Mech.
47	Connect2	4	10000/-PM Stipend	B.Tech CS/IT
48	Advisor Logistic	2	10000/- PM & 3.00 LPA	B.Tech CS/IT
49	Pay U Pvt. Ltd	2	20000/- PM Stipend	B.Tech CS/IT
50	Aatapaha	1	7500/- PM Stipend	B.Tech CS/IT
51	Escort Pvt. Ltd.	3	4 LPA	B.Tech EL/Mech
52	Mahindra & Mahindra	1	6.67 LPA	B.Tech Mech



S.No.	Name of Company	No. of Offers	PKG Offered Lacs per annum	For branches visited
53	ARAI-Automotive Research	1	12 LPA	B.Tech Mech
54	ATC	4	3.5 LPA	B.Tech IT,ECE,EL
55	Sprinkler	4	10 to 12 LPA	B.Tech IT
56	Panasonic	5	4.9 LPA	B.Tech ECE,EIC,MECH/EL
57	Jacobs	1	1.8 LPA	B.Tech EIC/EL
58	Acezd	2	10000/- PM	B.Tech ECE/CE
59	Himalayan Solar Company	1	12000/- PM	B.Tech EIC
60	Vikash Group	1	25000/-PM After Internship 3.00LPA	B.Tech Mech.
61	Gemini Solutions	1	25000/-PM After Internship 4.8 To 6 LPA	B.Tech CS/IT
62	Lava International Ltd.	1	5.75 LPA	B.Tech CS/ECE
63	Satyam Auto	3	18000/- PM	B.Tech EL/Mech
	<b>Total</b>	<b>327</b>		

The Highest Package offered for 2017 batch (B.Tech) is 27.00 LPA & 5.25 LPA for M.Tech 2017 batch while the average package in both courses is 4.3 LPA. The minimum package offered is 2.5 LPA.



**UNIVERSITY CELLS**



## **UNIVERSITY CELL**

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

- DIGITAL INDIA CELL
- WOMEN WELFARE CELL
- GRIEVANCE REDRESSAL CELL
- LEGAL CELL
- RTI CELL
- SC/ST WELFARE CELL
- EQUAL OPPORTUNITY CELL
- CAREER COUNSELLING CELL
- INDUSTRY RELATION CELL
- CAREER AND COUNSELING CELL

## **DIGITAL INDIA CELL**

Digital India is a campaign launched by the Government of India to 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. This cell aims to conduct Digital India Events at the University level and works as a link between Govt. initiatives and the University.

## **CONSTITUTION**

- Dr. Naresh Chauhan – Nodal Officer
- Dr. Neelam Duhan, Assistant Professor – Coordinator
- Dr. Anuradha, Assistant Professor – Member
- Mr. Umesh, Assistant Professor – Member
- Mr. Sushil Kumar, Assistant Professor – Member
- Mr. Bal Krishan, Assistant Professor – Member
- Mr. Vinod Rathore, Assistant Professor – Member
- Dr. Sanjeev Goyal, Assistant Professor – Member
- Mr. Mukesh Gupta, Assistant Professor – Member
- Mr. Atma Ram, Assistant Professor – Member
- Mr. Satwinder Singh, Assistant Professor – Member
- Dr. Renu Aggarwal, Assistant Professor – Member
- Ms. Jyotsna Chawla, Assistant Professor – Member
- Dr. Mani Kant Yadav, Assistant Professor – Member
- Ms. Bindu Mangla, Assistant Professor – Member
- Mr. J. P. Sharma, HOS – Member



- Mr. Mukesh Gupta, Senior Instructor – Member
- Mr. Himanshu, System Analyst – Member
- Mr. Jitender Singh Yadav, Public Relations Officer – Member

The broad objectives of the cell are as follows:

- To implement Nine Pillars of Digital India
- To implement Digital lockers for students/staff and facilities provided
- To familiarize students/staff about Tele Medicine Consulting services
- To conduct Digital Literacy Programs
- To get acquaint our staff Programs under ministry of Social & Justice
- To consult services provided by Common service centre- delivery arm
- Skills initiatives and employment opportunities
- To get implement various schemes/facilities provided by UGC/AICTE/other Govt. bodies in the University.

### MEETINGS HELD DURING THE YEAR

S. No.	Date of Meeting	Agenda of Meeting
1	07-12-2016	Regarding visit of CM nominated digital India committee in the University
2	15-12-2016	Regarding arrangement of hospitality for experts during the CM nominated committee visit.
3	07-02-2017	Regarding digital India awareness Program
4	13-02-2017	Arrangements for digital India awareness program
5	21-03-2017	Regarding implementation of MOOC courses.
6	17-05-2017	Status of Implementation of MOOC courses
7	05-07-2017	Status of Implementation of MOOC courses
8	16-08-2017	Regarding Digital payment workshop
9	19-09-2017	Regarding MOOC courses

### EVENTS/ACTIVITIES/ACHIEVEMENTS DURING THE YEAR

Date	Name of Activity	Number of Participants
16-02-2017	Digital India awareness workshop	150
May, 2017	MOOC courses registration and enrolment	200
04-05-2017	NAD (National Academic Depository) setup is under progress in collaboration with CDSL Venture Ltd. The test run of the same has been successfully completed on 04.05.2017.	To be established at the University level
May-July, 2017	Online admission application process has been implemented from this session which includes form filling, payment, merit list and admit card download.	Applications of all courses were invited online through admission portal. Online payment link was also provided.



### **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
- Dr. Rajeev Kr. Singh, 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. Preeti Mishra, Student Member
- Mr. Keshav aggarwal – Student Member
- Dr. Vijaywanti – Outside 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.

### **MEETINGS HELD DURING THE YEAR**

<b>S. No.</b>	<b>Date of Meeting</b>	<b>Agenda of Meeting</b>
1	21-10-2016	Welcome new Staff Members
2	11-11-2016	Regarding General Issues(Change the name of Cell, activities to be held
3.	30-01-2017	Regarding Expert Lecture on Women empowerment
4.	16-02-2017	Regarding Case of Shikha & Ravi Kr.Singh
5.	22-02-2017	Regarding Case of Shikha & Ravi Kr.Singh
6.	27-02-2017	Case of Prank Calls of M.Tech 2 <sup>nd</sup> (IT)
7.	06-03-2017	Women Day Celebration
8.	11-04-2017	Women staff Room
9.	19-07-2017	Regarding General Issues(display



### EVENTS/ACTIVITIES/ACHIEVEMENTS DURING THE YEAR

Date	Name of Activity	Number of Participants
06-02-2017	An Expert lecture on “Women Empowerment, Why and How?” was conducted to bring awareness among students and faculty about Women Power.	80
08-03-2017	Essay Writing, Slogan Writing and poster making competitions were organized on “Women Empowerment in society	120
08-03-2017	An Expert lecture was conducted on Women Day celebration to strengthen the need of empowering women. The dignity personalities were given books as memento.	85

### DETAILS OF COMPLAINT ABOUT WOMEN HARASSMENT

S. No	Details	Department
1.	Number of Complaints of Sexual Harassment received in the year	3
2.	Number of Complaints disposed off during the year	3
3.	Number of cases pending for more than 90 day	None
4.	Nature of Action	<ul style="list-style-type: none"> <li>Warning was given to the offender and assurance was taken from the offender’s guardian.</li> <li>Affidavit was taken from them to assure their decent behaviour and not to repeat it.</li> </ul>



## **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, Dean & Chairman (HAS) – Chairman

Dr. Ashutosh Dixit, Associate Professor (CE) – Member

Dr. Sonia, Assistant Professor (HAS) – 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.

### **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 pending in the year 2016-17:	17
Number of cases filed during the year 2016-17:	11
Number of cases decided during the year 2016-17:	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

**LIST OF PUBLIC INFORMATION OFFICERS**

Sr. No.	Subject Matter	Department/ Section	Public Information Officer	Name of the Public Information Officer
1	Information relating to academic departments	Various Departments (CE/EE/ME/EL/HAS/MBA)	PIO-cum-Chairperson of the concerned department	CE: Prof C. K. Nagpal
				EE: Prof Munish Vashishtha
				ME: Prof M. L. Aggarwal
				EL: Prof Rajesh Ahuja
				HAS: Prof Rajkumar
MBA: Prof Arvind Gupta				
2	Information relating to Examination branches	Examination Section	PIO-cum-Deputy Registrar/ Assistant registrar Examination branch	Prof. Lakhwinder Singh Dy. COE
3	Information relating to Establishment matters (Teaching and Non-Teaching)	Establishment Section	PIO-cum-Deputy Registrar/ Assistant registrar Establishment	Dr. Rajiv Kumar Singh (DR-E)
4	Information relating to Accounts matters	Accounts Section	PIO-cum-Section Officer Accounts	Sh. Rajpal (Dy. Supdt.)
5	Information relating to Construction/ Maintenance matters	Maintenance/Estimate office	PIO-cum-SDE	Sh. A. K. Sharma SDE
6	Information relating to Registration/ general Academic	Academic section	PIO-cum- Deputy Registrar/ Assistant registrar Academic section	Sh. Harish Kumar (DR-A)



	matters			
7	Information relating to Student Welfare Activities	Office of Dean student welfare (Sports/Cultural/Technical/NSS)	PIO-cum-Director youth welfare	Dr. Pradeep Dimri Director Youth Welfare
8	Information relating to all hostel matters	Office of Chief hostel warden (Boys and girls)	PIO-cum-Addl. Chief hostel warden of respective hostel (boys and girls)	Sh. Surender Singh ACHW (Boys)
				Girls:- Ms Neetu Gupta ACHW (Girls)
9	Information relating to general discipline related matters	Office of proctor	PIO-cum-Proctor	Dr. Munish Vashishtha Proctor
10	Information relating to Store and Purchase related matters	Office of Head S&P	PIO-cum- Deputy Registrar/ Assistant registrar S&P	Sh. Nitin Goel (DR-P)
11	All other matters		PIO-cum Public Relation Officer	Sh. Jitender Singh Yadav PRO

**DETAILS OF RTIs / FIRST APPELLATE / SECOND APPELLATE AS ON 30-06-2017**

- 46 RTI applications were received and disposed off. No RTI under consideration.
- 07 RTI applications to first appellate authority were received and disposed off. No appeal is under consideration.
- 03 RTI applications to second appellate authority were received and disposed off. No appeal is under consideration.



### 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

#### MEETINGS HELD DURING THE YEAR

S. No.	Date of Meeting	Agenda of Meeting
01	04-10-2016	Meeting regarding british council for stating of training programme for sc/st students
02	28-02-2017	Meeting regarding activities
03	07-03-2017	Meeting regarding purchasing of solid works software for SC/ST

#### EVENTS/ACTIVITIES/ACHIEVEMENTS DURING THE YEAR

Date	Name of Activity	Number of Participants
09-03-2017	Solid work seminar	62



## **EQUAL OPPORTUNITY CELL**

*The purpose of cell is to take measure against the discrimination*

### **CONSTITUTION**

- Dr. Rajkumar, Professor – Anti-Discrimination Officer
- Dr. Parul Tomar, Assistant Professor – Member
- Sh. Sunil Jadav, Assistant Professor – Member
- Sh. Bhupender Singh, Assistant Professor – Member
- Sh. Ashish Pal, HOS – 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

### **MEETINGS HELD DURING THE YEAR**

<b>S. No.</b>	<b>Date of Meeting</b>	<b>Agenda of Meeting</b>
1	06.09.2016	Budget allotted to Equal Opportunity cell and activities to be undertaken under the cell



### **INDUSTRY RELATION 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. Jyoti, Assistant Professor – Director
- Dr. Rashmi Popli, Assistant Professor – 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 YMCAUST 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**

<b>Sr. No</b>	<b>Dates</b>	<b>Details</b>
01	19-01-2017	Guest Lecture by Mr. Anuraj Gambhir (Strategic Business Advisor and Innovation Evangelist)
02	08-02-2017	1st Workshop on Industry-Academia Connect at YMCAUST under Swarna Jayanti.
03	08-02-2017	Opening of Indian Green Building Council's Student Chapter at YMCA.



04	27-02-2017	Guest Lecture by Mr. Amit Sharma (Div Manager, VRV Business, Daikin India).
05	03-03-2017	Guest Lecture by Mr. Deo Pandey(GM, HR-UTC)
06	20-03-2017	2nd Workshop on Industry Academia Connect with key role of YMCAUST at CII.
07	01-05-2017	One-day Workshop for syllabus revision with Pratt and Whitney.
08	13-07-2017	One-day workshop with Pratt and Whitney for laying the roadmap for MoU implementation.

### **IGBC STUDENT CHAPTER**

*The Indian Green Building Council (IGBC) started a Student-Chapter at YMCAUST on 8th February 2017. The IGBC, part of the Confederation of Indian Industry (CII) was formed in the year 2001. The vision of the council is, "To enable a sustainable built environment for all and facilitate India to be one of the global leaders in the sustainable built environment by 2025". The council offers a wide array of services which include developing new green building rating programmes, certification services and green building training programmes. The council also organises Green Building Congress, its annual flagship event on green buildings.*

Objective of IGBC Student Chapter:

- To seed green ideas in young minds.
- Facilitate India to become one of the global leaders in embracing green building concepts.
- Creates a platform for students to interact with the industry stakeholders.



## 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
- Ms. Ashlesha Gupta, Assistant Professor – Member
- Dr. Manvi Siwach, Assistant Professor – Member
- Ms. 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	Dates	Details
1	09-08-2016	Seminar by TALIRANG for dealing with work readiness crisis and make them to wok ready for industry
2	02-09-2016	Seminar on recruitment training, Resume writing, knowledge sharing, preparing aptitude tests and personality development by CL Educate Ltd
3	08-09-2016	Aptitude test by TIME education
4	25-01-2017	GRE/GMAT / Education abroad / By Jamboree
5	25-01-2017	Seminar on higher education by Jamboree
6	09-03-2017	Lecture by Career Launcher on different competitive examinations by Career Launcher
7	15-03-2017	Seminar on digital marketing by expert Mr. Amit Chauhan
8	17-03-2017	Expert lecture on CSIR / NET / JRF / GATE / IIT/ JAM
9	20-03-2017	Lecture on speaking is choice by Sudhi Rekhi trainee of Vista Mind

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10	09-04-2017	Lecture on Goal setting by Harish Sitaraman of Breakthrough technologies
11	04-09-2017	Planning for success by Gunjan Chaudhary of Vedic Club
12	11-04-2017	Mega Job Fair by Model Career Centre



**BEST PRACTICES**



## **ACADEMIC AUDIT**

To pursue the goals set by the quality policy and to keep its academic system up to date in order to meet the emerging market demands, all the departments of the University have been directed to conduct academic audit on the date mentioned in the academic calendar at the end of each semester. The aim of academic audit is to facilitate the process of implementation & compliance to broad parameters and maintenance of certain minimum standards. The academic audit deals with the academic work performance of a faculty with reference to teaching learning process, assessment methodology and conformance to evaluation procedure for a course. A standard Performa for academic audit has been developed that covers a number of queries related to teaching learning issues and is required to be filled up by individual faculty members. Departments, on the basis of information gathered, then send a Consolidated Report of the same to Internal Quality Assurance Cell, for further review. Every faculty member maintains course files for the theory as well as laboratory subjects. Faculty are required to present themselves before Audit Team along with Teacher's diary including following for audit:

1. Attendance record
2. Internal marks statement
3. Copies of test question papers
4. Samples of answer sheets
5. Class assignments/test/quiz
6. Samples of PPT slides and other teaching materials
7. List of experiments conducted in laboratories

### **SCOPE OF ACADEMIC AUDIT**

- Curriculum and scheme of evaluation adopted for each course
- Course delivering planning
- How is continuous evaluation followed?
- Pace of course coverage
- Pedagogy followed and innovation brought
- Regularity of students in attending classes
- Regularity of faculty in delivering classes

### **ACADEMIC AUDIT DURING 2015-16**

The report of academic audit by the concerned chairpersons is submitted to Director, IQAC in the prescribed format in First week of November, 2015 and May, 2016.

### **360° FEEDBACK PORTAL**

360° feedback is being initiated in the University to make it more effective, productive and satisfied in terms of its objectives. Classroom feedback is taken from the students for all the subjects during each semester. Provision of online feedback from all the stake-holders like students, parents, Alumni and Industry/Employers helps us to understand the range of perceptions they have of the University and how the activities being carried out here affect them. This feedback gives a set of rich information wherein the University feels proud of its strengths, plans further development and achieves higher performance more easily.

Following activities are carried out to achieve 360 degree feedback through IQAC.

**STUDENT DRIVEN FACULTY FEEDBACK**

In order to instil transparency, integrate positive approach and incorporating scope of continuous improvement, the University induced a well-conceived methodology to get students' feedback on the performance of the faculty.

**EXIT SURVEY FROM STUDENTS**

Conducted annually for the final semester Students by all the Departments of the University

**ALUMNI FEEDBACK**

Conducted annually by all the Departments of the University to connect with the alumni of University.

**PARENTS' FEEDBACK**

Conducted annually by all departments of the University to approach the parents of the students of YMCA University.

**INDUSTRY EXPERTS' FEEDBACK**

Conducted annually by all the Departments of the University to interact with the Campus Recruiter

**PEER GROUP FEEDBACK**

Conducted annually by all the Departments of the University to be in touch with the other peer groups

**DEPARTMENT-WISE RESPONSES (SESSION 2015 -2016)**

<b>Feedback → Department ↓</b>	<b>Exit Survey</b>	<b>Alumni</b>	<b>Parents</b>	<b>Industry Experts</b>	<b>Peer Group</b>
<b>CE</b>	162	76	24	6	3
<b>EE</b>	26	64	36	3	5
<b>ECE</b>	68	53	31	3	4
<b>ME</b>	62	13	25	22	0
<b>HAS</b>	48	31	31	0	7
<b>MGMT</b>	12	41	38	6	10
<b>TOTAL</b>	<b>378</b>	<b>278</b>	<b>185</b>	<b>40</b>	<b>29</b>

**INDUSTRIAL TRAINING**

The University has unique curriculum and have 6 month industrial training in final semester of respective programmes and students are sent to the industries for 6 month to have on job training in some companies. This also helps in the placement of students in the same company after completion of degree. Most of them undertake one or more industrial projects during training. The YMCAUST Training & Placement Cell provides employment opportunities and world class training to the students in the leading organizations. The purpose of this practice is to foster a close rapport between the students and the industries/corporate world.



To cater to the needs of students for enhancing their career options, comprehensive training programmes are arranged by the University. It has contributed immensely in the field of technical education and plays an important role in creating highly skilled technical manpower which is employable in an equally competitive market.

- Six months industrial training of the students accustom the students to industrial working conditions thereby making them preferential candidates for recruitment. Since its inception as an institute, in the year 1969, the University has been known for its excellent placement record.
- Continuous assessment of the students is done by the teachers by visiting the industry twice during the training period.
- A number of students get stipend from the industries during their training period.

### **TRANSPARENCY IN STUDENT'S ASSESSMENT SYSTEM**

The University has been following the credit based system (CBS) for evaluation of student performance since year 2008. The main focus remains on timely declaration of examination results. The system also has provision for showing answer books of sessional test and semester examination to the students to enhance the transparency resulting in improved student satisfaction.

The credit based system (CBS) system provides flexibility in designing curriculum and assigning credits based on the course content and hours of teaching. It has helped to improve teaching learning process and has expedited the process of declaration of the results. The schedule of internal/sessional examination, paper showing/assessing is mentioned in the academic calendar.

- The evaluation sequence comprises two segments that include internal assessment and final assessment. Two mid-semester sessional tests, assignments and seminars constitute the internal assessment.
- The end semester exam forms the final assessment, the aggregate of both serve to evaluate a student in a particular programme.
- At last the evaluated answer books showing programme is conducted for students' verification and satisfaction (schedule is notified in advance)

### **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:

<http://www.ymcaust.ac.in/index.php/en/grievance-form-all>.

### **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.
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**DEPARTMENTS OF THE UNIVERSITY**



**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 a dedicated technical and office staff to support the academic programs and research.

### DEPARTMENT PROFILE

<b>UG Course:</b>	B. Tech. (Mechanical Engineering)
<b>PG Course:</b>	M. Tech. (Manufacturing & Automation Technology)
<b>Ph.D. :</b>	Mechanical Engineering
<b>Target Students:</b>	Intermediate for B.Tech& Engineering Graduates for M.Tech/PhD
<b>Total Number of Faculty:</b>	29 (10 Professor + 04 Associate Prof. +15 Assistant Prof.)
<b>Number of Ph.D.'s:</b>	23
<b>Average Experience of faculty:</b>	15 years. (approx.)
<b>Chairperson:</b>	<b>Dr. Tilak raj</b>

### 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 Each
6	Internet Connection	Wi-Fi Network
7	Any Other Facility	02 (Centre of Excellence)

The Department also sponsors its faculty for Short Term Courses and Conferences on regular basis. Dr KrishanVerma, Dr Bhupender Singh and Dr. Shefali Trivedi, faculty in the department has successfully completed their Ph.D. degree during this academic year.



## FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Dr.Sandeep Grover	Professor	Ph.D, 2005	TQM, Quality Mgmt	28
2	Dr.M. L. Aggarwal	Professor	Ph.D, 2007	Design, Materials and Manufacturing	27
3	Dr.Tilak Raj	Professor	Ph.D, 2009	FMS, Manufacturing, Cutting Tool Design	27
4	Dr. Raj Kumar	Professor	Ph.D,2010	Energy, Thermal, Ref. & A/c	21
5	Dr.Navdeep Malhotra	Professor	Ph.D, 2011	Composites, FRP, Advance Manufacturing, Plastics	18
6	Dr.Vikram Singh	Professor	Ph.D, 2010	Service Quality Management, Design	15
7	Dr.Arvind Gupta	Professor	Ph.D,2012	Energy Management, CFD Modelling	25
8	Dr.Hari Om	Professor	Ph.D, 2016	Welding Technology	17
9	Dr.Vikas Turk	Professor	Ph.D, 2007	JIT, TQM	17
10	Dr.Lakhwinder Singh	Professor	Ph.D, 2012	Computational Fluid Dynamics, Fatigue	15
11	Dr.N.L.Mangla	Associate Prof.	Ph.D	Thermal, Fluid Mechanics, Aerodynamics	23
12	Dr.Sanjeev Kumar	Associate Prof.	Ph.D, 2011	Industrial Engineering	18
13	Dr.Vasdev Malhotra	Associate Prof.	Ph.D, 2012	Manufacturing, Advanced Manufacturing Systems, HRM, Quality	17
14	Sh. Naresh Yadav	Asstt. Prof.	M.E., 1998	CAD/CAM, FEA, Gas Turbine Systems	17
15	Sh. Mukesh Gupta	Asst. Prof.	M.Tech, 2006	CAD/CAM, Nano Materials	12
16	Ms.Sandhya Dixit	Asst. Prof.	M.Tech,2008	FMS, Manufacturing Technology	16



S. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
17	Dr.Sanjeev Goyal	Asst. Prof.	Ph.D,2012	Unconventional Manufacturing Processes, Robotics, Reliability Analysis	11
18	Dr. Rajeev Kumar Saha	Asst. Prof.	Ph.D, 2012	Operations Management, Quality Management, Web Design and Development	20
19	Dr.Bhaskar Nagar	Asst. Prof.	Ph.D, 2013	CAD/CAM	10
20	Dr.Nikhil Dev	Asst. Prof.	Ph.D,2015	Thermal	12
21	Dr.Rajesh Kumar Attri	Asst. Prof.	Ph D, 2016	Production, Manufacturing	8
22	Dr.Krishan Verma	Asst. Prof.	Ph.D, 2016	CAD/CAM, Design of Mechanical Systems, Finite Element Analysis	12
23	Dr. Mahesh Chand	Asst. Prof.	Ph D,2016	Supply Chain Mgmt., Operations Mgmt., Manufacturing Tech.	7
24	Dr. Om Prakash Mishra	Asst. Prof.	Ph D, 2016	Material Handling	27
25	Sh. Surender Singh	Asst. Prof.	M.Tech,2008	SOM, CAD, Production	15
26	Dr. Bhupender Singh	Asst. Prof.	Ph D, 2017	TQM, Automobile, Manufacturing	8
27	Dr. Shefali Trivedi	Asst. Prof.	Ph D, 2017	Metal Forming, Mechanical Metallurgy, Powder Metallurgy	5
28	Sh. Sanjay Kumar	Asst. Prof.	M.Tech, 2008	Production, Industrial Engg., CIM	12
29	Sh. Nitin Panwar	Asst. Prof.	M.Tech.,2012	Thermal	3



## DEPARTMENTAL PUBLICATIONS &amp; FDP/STC

Sr. No.	Particulars	Count
1.	Publications in International Journals	42
2.	Publications in National Journals	-
3.	Publications in International Conferences	12
4.	Publications in National conferences	18
5.	STC/FDP	17

## PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

S. No.	Name of Faculty	Title, Journal, Volume, Issue, Pages, Year
1.	Dr. Sandeep Grover	1. A novel hybrid model for selection of benchmarking technique in Indian service industries, International Journal of Process Management and Benchmarking, Vol 7, No.4, 2017, pp.409-436.
		2. An Empirical Study of Benchmarking Evaluation using MCDM in Service Industries, Managerial Auditing Journal, Vol. 32, No. 2, 2017, pp. 111 – 147.
		3. A Benchmarking model of service quality using WISM approach in Indian Context, International Journal of System Assurance Engineering and Management, DOI: 10.1007/s13198-017-0598-4, March 2017
		4. A benchmarking model for Indian service industries using MICMAC and WISM approach, International Journal of System Assurance Engineering and Management, DOI: 10.1007/s13198-017-0598-4, March 2017.
		5. Integrated MCDM for Benchmarking techniques in Indian Service Industries, International Journal of Innovation and Technology Management, Vol. 13, No. 6, 2016.
		6. Developing the weighted ISM-MICMAC framework for process design stage of production system life cycle, International Journal of Process Management and Benchmarking, Vol. 7, No. 1, pp. 94-119, 2017.
		7. Modelling the quality enabled factors in initiation stage of production system life cycle, Benchmarking: An International Journal, Vol. 24, No. 1, pp. 163-183, 2017.
		8. Analysis of quality enabled factors in the product design stage of a production system life cycle: a relationship modelling approach, International Journal of Management Science and Engineering Management, <a href="http://dx.doi.org/10.1080/17509653.2017.1298480">http://dx.doi.org/10.1080/17509653.2017.1298480</a> , 2017.



		<p>9. Modelling the quality enabled factors of facility layout design stage of production system life cycle, International Journal of System Assurance Engineering and Management, Vol. 8, Supplement 1, pp. 413–423, 2017.</p> <p>10. Analyzing the barriers affecting the effective utilization of quality tools and techniques using Integrated ISM approach, Management Science Letters, Vol. 7, No. 11, pp. 525-540, 2017.</p> <p>11. Optimisation strategies in ultrasonic vibration assisted electrical discharge machining: a review, International Journal of Precision Technology, Volume 7, Issue 1, pp. 51–84, 2017.</p> <p>12. Analyzing and modeling the performance index of ultrasonic vibration assisted EDM using graph theory and matrix approach, International Journal on Interactive Design and Manufacturing (IJIDeM), pp 1-18. <a href="https://doi.org/10.1007/s12008-016-0355-y">https://doi.org/10.1007/s12008-016-0355-y</a>, Oct. 2016.</p>
2.	Prof.M.L.Aggarwal	<p>1. Arora, V., Bhushan, G., &amp; Aggarwal, M. L. (2016) Enhancement of fatigue life of multi leaf spring by parameter optimization using RSM. Journal of the Brazilian Society of Mechanical Sciences and Engineering ,Vol. 39 issue 4, 1333-1349 SCOPUS, SCImago,SCI Index</p> <p>2. Arora, V. K., Bhushan, G., &amp; Aggarwal, M. L. (2017). Precise estimation of individual leaf camber and stepping in symmetrical 65Si7 leaf springs. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 1–13, doi: 10.1007/s40430-015-0396-3. SCI, SCOPUS, SCImago Index</p> <p>3. Krishan Kumar and M.L.Aggarwal, Optimization of various design parameters for EN45A flat leaf springs, Elsevier Journal: Materials today proceedings, Vol.4, Issue2,2017, 1829-1836. SCOPUS index</p> <p>4. Atul Sharma, M.L.Aggarwal,Lakhwinder Singh, Experimental investigation into the effect of noise and damping using composite spur gear, Elsevier Journal: Materials today proceedings, Vol.4,issue2, 2017 , pp 2777-2782. SCOPUS index.</p> <p>5. Arora, V., Bhushan, G., &amp; Aggarwal, M. L. (2016) Mathematical modelling for fatigue life prediction of a symmetrical 65Si7 leaf spring. International Journal of Computer Aided Engineering and Technology. (In press). SCImago Index</p>
3.	Dr. Rajeev Kumar Saha	<p>1. Systematic literature review of classification and categorisation of benchmarking in supply chain management", Int. J. Process Management and Benchmarking, Vol. 7, No. 2, 2017, pp. 183-205</p> <p>2. Identifying and Ranking Critical Success Factors for Implementing Leagile Manufacturing Industries Using Modified TOPSIS'. World Academy of Science, Engineering and Technology, International Science Index 124, International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering, 11(4), 956 - 960.</p>



		<p>3. Evaluation of Leagile Criteria Using DEMATEL Approach'. World Academy of Science, Engineering and Technology, International Science Index 124, International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering, 11(4), 987 - 991.</p> <p>4. Quantifying Key Factors Affecting Leagile Manufacturing System'. World Academy of Science, Engineering and Technology, International Science Index 124, International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering, 11(4), 1015 - 1022.</p> <p>5. Selection of Material for Gear used in Fuel Pump using Simple Additive Weighting (SAW) Method", International Journal for Scientific Research &amp; Development, Vol. 5, Issue 04, 2017, ISSN (online): 2321-0613</p> <p>6. Selection of Material for Gear Used in Fuel Pump Using Graph Theory and Matrix Approach'. World Academy of Science, Engineering and Technology, International Science Index 124, International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering, 11(4), 897 - 900.</p> <p>7. Interpretive Structural Modelling of NAAC Criteria", International Journal of Engineering Technology Science and Research, Volume 4, Issue 6, June 2017, pp. 258-267, ISSN 2394 – 3386</p>
4.	Dr. Sanjeev Kumar	<p>1. Selection of Material for Gear Used in Fuel Pump Using Graph Theory and Matrix Approach", WASET, Vol. 11, N0.4, pp. 897-900, 2017</p> <p>2. Reliability and availability analysis of the serial processes in skim milk powder system of a dairy Plant: a case study", International Journal of Industrial and Systems Engineering, vol.22. No. 1, 2016</p> <p>3. Availability analysis and performance optimization of a butter oil production" International Journal of System, Assurance Engineering and Management, Springer, 2017</p> <p>4. Mathematical modeling and fuzzy availability analysis for serial processes in the crystallization system of a sugar plant" Journal of Industrial Engineering International, Springer, Vol 13, pp. 47-58, 2017</p> <p>5. Mathematical modeling and reliability analysis of the serial processes in feeding system of a sugar plant" International Journal of System, Assurance Engineering and Management, Springer, Vol. 8 No.1 pp. s435-450, 2017.</p> <p>6. Reliability analysis and performance optimisation of the serial process in refining system of a sugar plant", International Journal of Industrial and Systems Engineering, Vol. 26, No. 2, pp. 149-181, 2017</p>



		7. Selection of Material for Gear used in Fuel Pump using Simple Additive Weighting (SAW) Method", International Journal for Scientific Research & Development, Vol. 5, Issue 04, 2017, ISSN (online): 2321-0613
5.	Dr. Vasdev Malhotra	<p>1. Modelling and analysis of agile manufacturing system by ISM and MICMAC analysis, published in International Journal of System Assurance Engineering and Management (Springer), vol 8, no.2, 253-263, 2017</p> <p>2. A frame work to enhance agile manufacturing system: a total interpretive structural Modelling approach, Published in Bench marking : An International Journal (Emerald), vol 24, no.2, 2017, 467-487</p> <p>3. Modelling the attributes affecting the design and implementation of agile manufacturing system, published in International Journal of process Management and Bench marking (Inderscience), vol 6, no.2, 2016, 216-234</p> <p>4. Barriers evaluation for agile manufacturing system with Fuzzy performance imprortance index approach, published in international journal of agile system and management (Inderscience), , vol 9, no 4, 2016, 292-301</p> <p>5. Agile Manufacturing system: An Introduction, published in International Journal of Theoretical and Applied Mechanics, Vol 12, no.2, 2017, 681-685</p> <p>6. overview of MulticriteriaDecesion making technique, published in international Journal of Theoretical and applied Mechanics, Vol. 12, no.2, 2017, pp. 687-690</p> <p>7. Importance of cellular Manufacturing system, published in international jopurnal of computational intelligence research, vol. no. 13, no.4, 2017, pp. 497-502</p>
6.	Ms. Sandhya Dixit	<p>1. Hardness Testing of Friction Stir Welded AA1200 Aluminium Alloy", <b>International Journal of Manufacturing Science and Engineering, Serials Publications Pvt Ltd.</b>, 8(1) 2017 : January-June • pp. 17-21</p> <p>2. Modelling of the Various Flexibilities in a Flexible Manufacturing System, "International Education and Research Journal," Vol. 3, No. 6,</p>
7.	Dr. Krishan Kumar	<p>1. Optimization of Various Design Parameters for EN45A Flat Leaf Springs", Journal: Material Today Proceedings, pp: 1829-1836, 2017</p> <p>2. Shot Peening and Coating for Modifying Surface Properties of EN45A Parabolic Leaf Springs", YMCAUST International Journal of Research, Vol.4, Issue I, pp: 41-44, 2017</p>
8.	Dr. Rajesh Kumar Attri	<p>1. Developing the weighted ISM-MICMAC framework for process design stage of production system life cycle. International Journal of Process Management and Benchmarking, 7(1), 94-119. 2017</p> <p>2. Modelling the quality enabled factors in initiation stage of production system life cycle. Benchmarking: An International Journal, 24(1), 163-183. 2017</p> <p>3. Modelling the quality enabled factors of facility layout design stage of production system life cycle. International Journal of</p>



		System Assurance Engineering and Management, 8(1), 413-423. 2017
9.	Mr. Sanjay Kumar	<ol style="list-style-type: none"> <li>1. Analyzing and modeling the performance index of ultrasonic vibration assisted EDM using graph theory and matrix approach, Int J Interact Des Manuf, DOI 10.1007/s12008-016-0355-y PP1-18, 2016.</li> <li>2. Optimisation strategies in ultrasonic vibration assisted electrical discharge machining: a review, International Journal of Precision Technology, Vol 7, Issue 1, PP 51-84, 2017.</li> <li>3. Advanced Research Trends In Electrical Discharge Machining: A Review, International Journal For Research &amp; Development In Technology, Vol 5, Issue 7, and PP 196-202, 2016.</li> </ol>
10.	Dr. Mahesh chand	1. Select the best supply chain by risk analysis for Indian industries environment using MCDM approaches, Benchmarking: An international Journal, Emerald Vol. 24, No. 5, pp.1400-1413, 2017
11.	Dr. O.P. Mishra,	<ol style="list-style-type: none"> <li>1. Investigations of JIT applicability in supply chain: empirical evidence from Indian firms' Int. J. Business Performance and Supply Chain Modelling, Vol. 8, No. 3, pp 222-249.2016</li> <li>2. Exploring performance of JIT supply chain in context of Indian industries", Int. J. Advanced Operations Management, Vol. 8, No. 4, pp 323-346.2017</li> </ol>
12.	Dr. Shefali Trivedi	1. Effect of Annealing on Mechanical Properties and Formability of Cold Rolled Thin Sheets of Fe-P P/M Alloys, Journal of Materials Engineering and Performance 25 (10), 4537-4548, 2016

#### PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1.	Dr. Sandeep Grover	<ol style="list-style-type: none"> <li>1. A review on recent innovations in electrical discharge machining process, First International conference on recent innovations in engineering and technology, 22-23 December 2016, page no. 1584-1592, Hyderabad.</li> <li>2. A novel classification of quality tool &amp; techniques for manufacturing organizations", Second International conference on advances in Management &amp; Decision Sciences", 16-17 July 2016, GB University, NOIDA.</li> <li>3. Survey on the usage of quality tools and techniques in Indian manufacturing organizations", First International conference on technology management, 14-15 July 2016, NIT Hamirpur<sup>NIT HRPUR</sup></li> </ol>
2.	Dr. Krishan Kumar	1. Sustainable Design of Composite Parabolic Leaf Springs" in National Conference on Trends & Advances in Mechanical



		<p>Engineering (TAME-2017) at YMCAUST Faridabad pp: 116-119, 2017</p> <p>2. An Overview Of Alignment Of Supplier,Manufacturer And Distributor In Jit Supply Chain in National Conference on Trends &amp; Advances in Mechanical Engineering (TAME-2017) at YMCAUST Faridabad pp: 320-325, 2017</p> <p>3. Modeling &amp; Analysis of Linkage used in Tractor Braking Mechanism using CAE tools”, in proceedings of International Conference on Sustainable Development through Research in Engineering and Management (SDREM-2016), pp: 1-9, 2016 at YMCAUST Faridabad</p>
3.	Prof.M.L.Aggarwal	<p>1. Vinkel Kumar Arora, Gian Bhushan , M.L. Aggarwal, “Desirability approach in RSM applied to symmetrical multi leaf spring” , 3<sup>rd</sup> National conference on Trends and Advances in Mechanical Engg. ISBN 978-93-5268-269-0 , March 16-17,2017 ,pp151-157.</p> <p>2. Vimlesh Kumar Ojha, M.L.Aggarwal“ Hydrogen: Future Fuel For Engines” 3<sup>rd</sup> National conference on Trends and Advances in Mechanical Engg. ISBN 978-93-5268-269-0 , March 16-17,2017 , pp 1-4.</p> <p>3. Krishan Kumar, M.L. Aggarwal, Sustainable Design Of Composite Parabolic Leaf Springs. 3<sup>rd</sup> National conference on Trends and Advances in Mechanical Engg. ISBN 978-93-5268-269-0 , March 16-17,2017 ,pp116-119.</p> <p>4. Atul Sharma, M.L. Aggarwal, Lakhwinder Singh, Noise Reduction Using Glass Fiber Reinforced Polymer Gear, 3<sup>rd</sup> National conference on Trends and Advances in Mechanical Engg. ISBN 978-93-5268-269-0 , March 16-17,2017 ,pp200-202</p> <p>5. LokeshUpadhyay, M L. Aggrawal, P M Pandey, Magneto Rheological Fluid Assisted Electrical Discharge Machining, 3<sup>rd</sup> National conference on Trends and Advances in Mechanical Engg. ISBN 978-93-5268-269-0 , March 16-17,2017 ,pp 243-49.</p> <p>6. Sarika Gupta, M.L.Aggarwal, Solar Operated Sand Molding Compaction Process, 3<sup>rd</sup> National conference on Trends and Advances in Mechanical Engg. ISBN 978-93-5268-269-0 , March 16-17,2017 pp 263-67.</p>
4.	Dr. Sanjeev Kumar	<p>1. Sahil, Rajeev Saha, Sanjeev Kumar ,“Design Of Measuring Instrument For Excavator Bucket Tooth 3<sup>rd</sup> National conference on Trends and Advances in Mechanical Engg. ISBN 978-93-5268-269-0,March 16-17,2017,pp. 125-128.,</p> <p>2. Amit Kumar Gupta, Sanjeev Kumar, SudhirKumar .2017 "Manufacturing and Characterization of Metal Matrix Composites Using Friction Stir Processing Technique: A</p>



		Review", 3rd International Conference on Advancement and Recent Innovations in Mechanical, Production and Industrial Engineering. ARIMPIE-2017., pp. 259-264
5.	Dr. Vasdev Malhotra	<ol style="list-style-type: none"> <li>1. An overview of Agile Manufacturing System, published in International conference on Sustainable Development through Research in Engineering and Management , Dec 26-27 Dec 2016 at YMCAUST, Faridabad</li> <li>2. Productivity improvement methods in casting industries: An Review, published in International conference on Sustainable Development through Research in Engineering and Management , Dec 26-27 Dec 2016 at YMCAUST, Faridabad</li> <li>3. Overview and enablers of cellular manufacturing systems: A Review, published in International conference on Sustainable Development through Research in Engineering and Management , Dec 26-27 Dec 2016 at YMCAUST, Faridabad .</li> </ol>
6.	Dr. Rajesh Kumar Attri	<ol style="list-style-type: none"> <li>1. Analyzing the barriers of 5S implementation using MOORA approach, National Conference on Recent Trends in Engineering, Science and Management, 18th-19th April, 2017.</li> <li>2. Analyzing the Factors Affecting Implementation of 5S Using Interpretive Structural Modeling (ISM) Approach, International Conference on Innovative Product Design &amp; Development, 20 April 2017.</li> <li>3. Review On Performance Measurement For Automobile Service Sector, 3rd National Conference Trends &amp; Advances in Mechanical Engineering March 16-17, 2017.</li> </ol>
7.	Mr. Sanjay Kumar	<ol style="list-style-type: none"> <li>1. A Review on Recent Innovations in Electrical Discharge Machining Process, ICRIEAT-2016.22-23-DEC, 2016, PP 1584-1592.</li> <li>2. <i>A Comparitive Study Of Optimization Strategies Implimented In Ultrasonic Vibration Assisted Wire Electrical Discharge Machining. Tame -2017, March 16-17, 2017, Pp 255-264.</i></li> </ol>
8.	Ms. Sandhya Dixit	<ol style="list-style-type: none"> <li>1. Flexible Automation in World Class Industries", Sandhya Dixit, Tilak Raj, International Conference on SDREM- Dec, 2016</li> <li>2. The Changing Manufacturing Environment from the Mass Manufacturing to the Flexible Manufacturing", Sandhya Dixit, National Conference TAME 2017, March16, 17 2017</li> <li>3. Study of Various Flexibilities in a Flexible Manufacturing system", Mohit Yadav and Sandhya Dixit, National Conference, TAME 2017 March 16, 17 2017.</li> </ol>



9.	Dr. Mahesh Chand	<ol style="list-style-type: none"> <li>1. Krishan Kumar, O.P. Mishra, Mahesh Chand, Sanjay Kumar (2016), Modeling&amp; Analysis of Linkage used in Tractor Braking Mechanism using CAE Tools, International conference on Sustainable Development through Research in Engineering and Management (SDREM16) Dec. 26-27, 2016, YMCA UST</li> <li>2. VikasVimal and Mahesh Chand, (2017) Packaging guidelines for suppliers of raw material received by factories: A case Study, Academic conclave on WAKE UP INDIA for reform and in higher education and National conference on Design and Innovation and Innovation Competition, June 24, 2017, Indian Institute of Technology (IIT) Delhi.</li> <li>3. Mahesh Chand (2017), Competitiveness measurement of supplier related risk in supply chain, Academic conclave on WAKE UP INDIA for reform and in higher education and National conference on Design and Innovation and Innovation Competition, June 24, 2017, Indian Institute of Technology (IIT) Delhi.</li> </ol>
10.	Dr. O.P. Mishra	<ol style="list-style-type: none"> <li>1. Higher Education: Needs attention for success of make in India”, National Conference on Role of Science and Technology Towards ‘Make in India’ (RSTTMI-2016), March 05 - 07, 2016, YMCAUST, Fbd, India.</li> <li>2. Scrutinising the Effects of JIT in Supply Chain Management: A Study of Manufacturing Industries in Developing Countries”, CPIE, IV International Conference on Production &amp; Industrial Engineering, 19-21 Dec, 2016, NIT, Jalandhar, India.</li> <li>3. An overview of: Alignment of supplier, manufacturer and distributor in JIT supply chain, 3rd National Conference on Trends and Advances in Mechanical Engineering, (TAME), March 16-17, YMCAUST, Fbd, India</li> </ol>
11.	Dr. Shefali Trivedi	<ol style="list-style-type: none"> <li>1. Mechanical Properties of Fe-P-C alloys through P/M Technique, SDRM International conference, 26-27 Dec. 2016, YMCA UST, Faridabad</li> </ol>
12.	Dr. Rajeev Kumar Saha	<ol style="list-style-type: none"> <li>1. Sahil, Rajeev Saha, Sanjeev Kumar, “Design of Measuring Instrument for Excavator Bucket Tooth”, Proceedings of the National Conference on Trends and Advances in Mechanical Engineering (TAME-2017) organized by YMCA UST, Faridabad, March 16-17, 2017, pp. 125-128, ISBN 978-93-5268-269-0</li> <li>2. Rajeev Saha, “Analysis of Factors Affecting Toxicity in a Nanomaterial using ISM”, Proceedings of the National Conference on Trends and Advances in Mechanical Engineering (TAME-2017) organized by YMCA UST, Faridabad, March 16-17, 2017, pp. 268-275, ISBN 978-93-5268-269-0</li> </ol>



		<p>3. Kailash, Rajeev Saha, Sanjeev Goyal, “Enhancing Factors And Implementation Strategy Used To Develop Benchmarking Model of Internal Supply Chain Management for Analysing Indian Manufacturing Industries”, Proceedings of the National Conference on Trends and Advances in Mechanical Engineering (TAME-2017) organized by YMCA UST, Faridabad, March 16-17, 2017, pp. 312-315, ISBN 978-93-5268-269-0</p>
		<p>4. Naveen Virmani, Rajeev Saha, RajeshwarSahai, “Identification Of Tools Of Leagile Manufacturing System : A Case Study”, Proceedings of the National Conference on Trends and Advances in Mechanical Engineering (TAME-2017) organized by YMCA UST, Faridabad, March 16-17, 2017, pp. 326-329, ISBN 978-93-5268-269-0</p>

**WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED**

S.No.	Name of Activity	Title	Dates
1	TAME 2017	Third National Conference on Trends & Advances in Mecahanical Engineering	16-03-2017 to 17-03-2017
2	ISTE approved one week STC at Mechanical Engineering Department, YMCAUST, Fbd	“MATLAB and SIMULINK” Certified by MATHWORKS.	18-07-2016 to 22-07-2016
3	Centre of Excellence of Daikin Air-conditioning India Pvt Ltd, in RAC Workshop	Inauguration of YMCAUST-DAIKIN Centre of Excellence	03-08-2016
4	Visit of Sh. Anil Kumar Khera, Director The Leadership Watch, Sh.SunilBajaj,Head Technical Services L&T in ME Deptt.	Industry Institute Interaction	06-08-2016
5	Project exhibition organized by ME Deptt. in Danfoss Centre of Excellence, YMCAUST Fbd.	Innovation to Entrepreneurship	22-8-2016 to 23-08-2016
6	Danfoss officials visited the ME Deptt. for Industry Instt.Hareesha HRM,MNSV Kiran Kumar Senior Manager RD&E, Hareesha Setty, Sr Engineer.	Danfoss Innovator Award	23-08-2016



7	Refrigeration Workshop, Danfoss COE	Testing & Measurement in Refrigeration	20-10-2016 to 21-10-2016
8	Ankit Tripathi, Technical Head ni logic P Ltd	3D Printing	10-08-2017
9	Mr Parag Kavethkar, STM (Northethn Region), Bosch Ltd. Delhi	Recent Advances in Automobiles	19-08-2016
10	MNSV Kiran Kumar, RD&E, Danfoss Industries P Ltd, Tamil Nadu	Energy Efficiency in Refrigeration System	22-08-2016
11	Expert Lecture by Er Deepak Verma, Manager Global Operations, Danfoss Industries P Ltd	Refrigerants	20-10-2016
12	Expert Lecture: By PuneetGoswami, FARO Business Tech P Ltd	Coordinate measuring machine	23-01-2017
13	Expert Lecture Kabilesh Kumar,Sr Manager	New Refrigerants	17-02-2017
14	Expert Lecture: DDN Verma , GM NTPC(Retd),GM Dee Piping Industries , Prithla	Advaces in Welding	07-03-2017
15	Dr Kannan C , DGM ,IOC Faridabad	Scope of research on Petroleum Products	16-03-2017
16	Sh. K K Mitre, Vice-President, Llyod Industries Ltd Fbd	Insulation in buildings for Refrigeration purposes	16-03-2017
17	Prof. P M Pandey, IIT Delhi	Laser 3D Printing	16-03-2017
18	Sh. Deepak Verma, Manager , Danfoss Industries P Ltd Delhi	Future Refrigerants	16-03-2017
19	Dr. S.P. Singh,Professor IIT Delhi	Dynamic Mechanical Characterization of Iron and Steel using Multi-scale Modeling Simulation particularly on Nano- Materials	17-03-2017



20	Dr. Naveen Kumar Garg, Sr Scientist CSIR-NPL	Calibration and Measurement Capabilities	17-03-2017
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### STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED

S.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
1	Dr. Sanjeev Kumar	Auto Cad for Engineers	NITTTR Kolkata	02-01-2017	06-01-2017
		MATLAB and Simulink	Mathworks at YMCAUST, Faridabad	18-07-2016	22-07-2016
2	Dr. Rajeev Kumar Saha	MATLAB and Simulink	Mathworks at YMCAUST, Faridabad	18-07-2016	22-07-2016
		Sustainable Development for Institution Building	NITTTR, Bhopal	09-01-2017	13-01-2017
		Structural Design using ANSYS	NITTTR, Bhopal	26-06-2017	30-06-2017
3	Dr. Rajesh Kumar Attri	Advances in Automobile Engineering	NITTTR Chandigarh	12-12-2016	16-12-2016
		AUTOCAD for Engineers	NITTTR Kolkata	02-01-2017	06-01-2017
		Structural Design using ANSYS	NITTTR Bhopal	26-06-2017	30-06-2017
		Enhancing Yield in Metal Casting Industry	IIT Roorkee	10-07-2017	14-07-2017
4	Dr. Krishan Verma	Matlab & Simulink	YMCAUST Faridabad	18-07-2016	22-07-2017
		Problem Solving & Decision Making	NITTTR Kolkata	19-06-2017	23-06-2017
5	Dr. Mahesh Chand	Problem solving and decision making	NITTTR Kolkata	19-06-2017	23-06-2017
		Recent advances in optimization	NITTTR Kolkata	27-06-2017	01-07-2016
6.	Dr. Om Prakash Mishra	Problem Solving & Decision Making	NITTTR Kolkata	19-06-2017	23-06-2017



7.	Dr. Shefali Trivedi	Environment, development and sustainability	YMCA UST	04-07-2016	08-07-2016
8.	Sh. Sanjay Kumar	Recent Advances in optimization	NITTTR Kolkata	27-06-2016	01-07-2016
		Problem Solving and Decision Making	NITTTR Kolkata	19-06-2017	23-06-2017

**INVITED TALKS/LECTURES DELIVERED**

S.No.	Name of Faculty	Topic of delivery	Venue	Date
1	Dr. Sandeep Grover	1. Graph Theory	DCRUST, Murthal	24-09-16
		2. NBA Awareness	YMCAUST Faridabad	22-09-16
		3. NAAC Accreditation	Govt. College of Engineering, Jalgoan (Maharashtra)	01-12-16
		4. International Conference Valedictory talk (GoH)	MRIU, Faridabad	07-01-16
		5. Outcome Based Education	Engineering Staff College of India (ESCI), Hyderabad (conducted at Shimla)	25-03-17 26-03-17
		6. 'Feedback System for Quality Enhancement	MRIU, Faridabad	31-05-17
		7. NBA Accreditation	NITTTR, Chandigarh	06-06-17
		8. Total Quality Management	Guru Nanak Dev Engg. College, Ludhiana	19-06-17
2	Dr. Arvind Gupta	1. CFD	RKGIT, Ghaziabad	06-07-2016
		2. RAC	RKGIT, Ghaziabad	06-07-2016
		3. Energy Conversion and Steam Turbine	Galgotias College of Engg. & Technology, Greater Noida.	22-02-17
		4. Measurement in Refrigeration and Airconditioning	YMCAUST, Faridabad	21-10-2016



3	Dr. Nikhil Dev	1. Decision making in thermal system	Sobhasaria Group of Institution, Sikar	07-04- 2017
		2. Multi-attribute decision making in power plants	Raj Kumar Goel Institute of Technology, Gaziabad	05-07-2016
		3. Combustion of fuels	Raj Kumar Goel Institute of Technology, Gaziabad	05-07-2016
4	Dr. Krishan Verma	1. Innovations through Software Technology	DCRUST, Murthal	17-01-2017
5	Dr. Vasdev Malhotra	1. Expert lecture organised	Importance of Excellence centre Denfoss	17-02-2017
		2. Expert lecture organised	Recent advances in Automobile	19-08-2016
		3. Expert lecture organised	Coordinate measuring machine	23-01-2017
		4. workshop	Syllabi modification of production subjects	12-06-2017
		5. Importance of innovation development during International conference as session chair	Ganga Technical Campus	29-1-2017

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

S. No.	Name of Faculty	Details
1	Dr. Sandeep Grover	1. Member, ISTE
		2. Member, Inst of Industrial Engineers
		3. Member, Inst. of Engineers
2	Dr. M.L.Agarwal	1. Member, ISTE
		2. Member, Institution of Engineers
3	Dr. Sanjeev Kumar	1. Senior Member, Indian Institution of Industrial Engineering
		2. Member, IAENG
		3. Member, Institution of Engineers (India)
		4. Member of Organising committee of International Conference on Industrial Engineering, Nov.14- 15, 2016
	Dr. Vasdev Malhotra	1. Member, ISTE
		2. Fellow Institution of Engineers
		3. Membership of International Association of Computer Science and Information Technology, (IACSIT), 9, Jurong hall Road, Singapore,
		4. Bronze Membership of KFS International Journal of



4		Intelligent System
		5. Senior Membership of Institute of Research Engineers and Doctors
		6. Membership of IAENG International Association of Engineers
		7. Membership number 155605, 37-39 Hung to road , HONG KONG
		8. Senior membership for Indian institute of industrial engineering
		9. Life Membership from Indian Society of technical Education
		10. Membership of CBEES , Asia –Pacific Chemical , Biological and Environment , Engineering society , south Kowloon , Hong Kong
5	Mrs.Sandhya Dixit	1. Member, IIIIE
		2. Member, IEI
6	Dr. Rajeev Kumar Saha	1. Member, ISTE
7	Dr.KrishanVerma	1. Life Member, ISTE Delhi
		2. Life Member, IEI Kolkata
		3. Life Member, SHMT IIT Madras
8	Dr. Mahesh Chand	1. Life Member of Indian Society of Technical Education (LMISTE).
		2. Life Member of Indian Institute of Industrial Engineering (LMIIIE).
9	Dr. Om Prakash Mishra	1. Member, ISTE
10	Dr.Shefali Trivedi	1. Member, ISTE
		2. Member of Institute of Engineers (INDIA)
11	Mr. Sanjay Kumar	1. Member, ISTE
		2. Senior Member, IIIIE



## LIST OF PHD COMPLETED

S. No.	Name of Faculty	Topic	Awarding Year	Institution
1	Dr. Krishan Kumar	Computer Aided Engineering Analysis & Optimization of a Conventional Leaf Spring	2016	YMCAUST, Faridabad
2	Dr. Bhupender Singh	Development of Benchmarking Model in Select Service Industries	2017	YMCAUST, Faridabad
3	Dr. Shefali Trivedi	Development of thin sheet of Fe-P Alloy through powder metallurgy techniques & their characterization	2017	IIT, Delhi

## GATE/ CAT/ OTHER EXAM QUALIFIED STUDENTS 2016-2017

S. No.	Name of Exam	Year	Count of Qualified Students
1	GATE	2016-17	22
2	CAT	2016-17	2

## OUTSTANDING ACHIEVEMENTS 2016-2017

1. Daikin India Pvt. Ltd established a Centre of Excellence in Refrigeration and Air-conditioning (2016) with an investment of Rs. 20.0 lac. In this centre three split air conditioners, One floor standing air conditioner and one variable Refrigerent Volume has been installed for the study and conducting experiments.
2. Third National Conference on Trends & Advances in Mecahanical Engineeringhas been organised on March 16-17, 2017.
3. Prof. Arvind Gupta guided Project: “Smart Refrigerator” to Archit, M- 1667-2k13, Ajay, 1656, Amit Singh, 1661, Amit Kumar,1659, AnkushKashyap, 1664, Gurveer Singh, 1680, Akash Aggarwal, M-1651-2k13 Award was given to the group of seven B.Tech. Students by Danfoss Industries (P) Ltd for II best project at all India level in 2017 for the project “Smart Refrigerator”. They were given IDanfoss Innovator award and Rs. 75000/- in cash
4. Dr.Vasdev Malhotra guided the students for the Development of innovative vehicle every year by SAE Club for various events. Awarded a prize of Rs.1.2 lac in innovative event at Indore in 2017 for best design and documentatio



## **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**

<b>UG Course:</b>	B. Tech. (Electronics Instrumentation) & B.Tech (Electronics Communication Engineering)
<b>PG Course:</b>	M. Tech. (VLSI Design) M.Tech (Electronics Instrumentation) & M.Tech (Electronics Communication Engineering)
<b>Ph.D. :</b>	Electronics Engineering
<b>Target Students:</b>	
<b>Total Number of Faculty:</b>	<b>29</b> (03 Professor + 02 Associate Prof. +24 Assistant Prof.)
<b>Number of Ph.D.'s:</b>	07
<b>Average Experience of faculty:</b>	16 years. (approx.)
<b>Chairperson:</b>	<b>Dr. Munish Vashishath</b>

**DEPARTMENTAL FACILITIES**

The department is well equipped with the following facilities:

<b>Sr. No.</b>	<b>Facility</b>	<b>Count/Details</b>
1.	Labs	10
2.	Workshops	6
3.	Lecture Halls	8
4.	Conference Room	1
5.	Seminar Halls/Projector Rooms/Research Lab	3
6.	Internet Connection	1(2MBps)
7.	Any Other Facility	-



## FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification	Area of Specialization	Total Experience
1	Dr.S.K. Agarwal	Professor	Ph.D (2009)	Control System	29 years
2	Dr.Munish Vashishath	Professor & Chairperson	Ph.D (2010)	Semiconductor Devices	13 years
3	Dr. Arti M.K	Professor	Ph.D (2014)	Wireless Communications	14 years
4	Ms.Archana Aggarwal	Associate Professor	M.Tech (1996)	Control System	9 years
5	Dr.Neelam Turk	Associate Professor	Ph.D (2011)	Signal Processing	10 years
6	Ms.Archana Aggarwal	Assistant Professor	M.Tech (1996)	Communication Engineering	11 years
7	Mr.Dushyant Shukla	Assistant Professor	M.Tech (2004)	Signal Processing	11 years
8	Mr. Bharat Bhushan	Assistant Professor	M.Tech (2012)	Communication Engineering	11 years
9	Dr.Pradeep Kumar	Associate Professor	Ph.D (2013)	Embedded System	23 years
10	Ms.Sangeeta	Assistant Professor	M.Tech (2015)	Embedded System	11 years
11	Dr.Shailender Gupta	Assistant Professor	Ph.D (2012)	Image Processing & Networking	11 years
12	Ms.Neetu Gupta	Assistant Professor	M.Tech (2007)	Communication system, Image Processing	11 years
13	Dr.Sheilza	Assistant Professor	Ph.D (2014)	Control System	11 years
14	Ms.Preet Kaur	Assistant Professor	Ph.D (2017)	Antenna & Microwave Engineering	9 years
15	Bal krishan	Assistant Professor	M.Tech. (2009)	Nanoelectronics	16 years



16	Mr.Lalit Rai	Assistant Professor	M.Tech (2008)	Control & Instrumentation	8 years
17	Ms.Nitin Sachdeva	Assistant Professor	M.Tech (2005)	VLSI Design	12 years
18	Ms.Priyanka	Assistant Professor	M.Tech (2008)	ECE	11 years
19	Mr.Vinod Rathor	Assistant Professor	M.Tech (2012)	ECE	10 years
20	Mr.Prashant Kumar	Assistant Professor	M.Tech (2008)	VLSI Design	9 years
21	Ms.Sonam Khera	Assistant Professor	M.Tech (2007)	Wireless Sensor Network	9 years
22	Ms.Rashmi Chawla	Assistant Professor	M.Tech (2010)	VLSI Design	9 year
23	Ms.Gunjan Sardana	Assistant Professor	M.Tech (2008)	Digital Signal Processing	11 years
24	Ms. Kalpana Sheokand	Assistant Professor	M.Tech (2009)	Signal Processing	8 years
25	Mr. Sunil Jadav	Assistant Professor	M.Tech(2010)	VLSI Design	11 years
26	Ms.Manju Kumari	Assistant Professor	M.Tech (2011)	Image Processing &Networking	6 years
27	Ms. Nisha Yadav	Assistant Professor	M.Tech (2014)	VLSI Design	3 years
28	Mr. Kamal Deep Singh Malik	Assistant Professor	M.Tech (2016)	Analog VLSI Design	0.5 years
29	Ms. Nisha Goyal	Assistant Professor	M.Tech (2012)	VLSI Design	5 years



**DEPARTMENTAL PUBLICATIONS & FDP/STC (01/07/2016 to 30/06/2017)**

Sr. No.	Particular	Count
1	Publications in International Journals	30
2	Publications in National Journals	0
3	Publications in International Conferences	49
4	Publications in National conferences	44
5	STC/FDP	20

**PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS**

S. No.	Name of Faculty	Title, Journal, Vol, Issue, Pages, Year
1	Dr.S.K. Agarwal	1. Preet Kaur, S. K. aggarwal and Asok De, "Design and Investigation of Circularly Polarized RMPA with Chiral Metamaterial Cover", International Journal of Wireless and Microwave Technologies", Vol.6, issue 3, pp.61-70, 2016.
2	Dr.Munish Vashishath	<p>1. Ruchika, MunishVashisht, S.Qamar, "Tracking of Ship by using Ordered Weighted Averaging Method, International Journal of Electronics Engineering, Volume-9, Number-1 Jan -June 2017 pp. 138-149.</p> <p>2. Ruchika, MunishVashisht, S.Qamar, "Role of linguistic quantifier and digitally approximated Laplace operator in infrared based ship detection", International Journal of System Assurance Engineering and Management, ISSN 0975-6809, DOI 10.1007/s13198-017-0604-x</p> <p>3. Ruchika, MunishVashisht, S.Qamar, "De-noising Infrared Image Using OWA Based Filter, World Academy of Science, Engineering and Technology, International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:11, No:4, 2017 pp. 487-492.</p> <p>4. Munish Vashishath and Neetu Gupta, "Various Motion Cues Detection in Videos", International Journal of Innovative Research in Science, Engineering and Technology, volume 6, issue 8, 2017.</p>



3	Dr. Arti M.K.	<ol style="list-style-type: none"> <li>1. Arti M.K., "A Space-Time Transmission Scheme for Large MIMO Systems," <i>IEEE Wireless Communications Letters</i>, in press, September 2017. Impact factor:2.45</li> <li>2. Arti M.K.and Varun Jain, "Relay Selection Based Hybrid Satellite-Terrestrial Communication Systems," <i>IET Communications</i>, in press, DOI: 10.1049/iet-com.2016.1425. Impact factor: 1.06</li> <li>3. Arti M.K., "A Novel Beamforming and Combining Scheme for Two-Way AF Satellite Systems," <i>IEEE Transactions on Vehicular Technology</i>, volume 66, number 2, pages 1248–1256, February 2017. Impact factor: 4.06</li> <li>4. Arti M.K., "Two-Way Satellite Relaying with Estimated Channel Gains," <i>IEEE Transactions on Communications</i>, volume 64, number 7, pages 2808–2820, July 2016. Impact factor: 4.058</li> <li>5. Arti M.K., "Beamforming and Combining Based Scheme over kappa-mu Shadowed Fading, Satellite Channels," <i>IET Communications</i>, Volume 10, number 15, pages 2001-2009, October 2016. Impact factor:1.06</li> <li>6. Arti M.K., "Channel Estimation and Detection in Hybrid Satellite-Terrestrial Communication Systems," <i>IEEE Transactions on Vehicular Technology</i>, volume 65, number 7, pages 5764–5771, July 2016. Impact factor: 4.06</li> <li>7. Arti M.K., "Channel Estimation and Detection in Satellite Communication Systems," <i>IEEE Transactions on Vehicular Technology</i>, volume 65, number 12, pages 10173 - 10179, December 2016. Impact factor: 4.06</li> <li>8. Arti M.K. and Suresh Kumar Jindal, "OSTBC Transmission in Shadowed-Rician Land Mobile Satellite Links," <i>IEEE Transactions on Vehicular Technology</i>, volume 65, number 7, pages 5771 - 5777, July 2016. Impact factor: 4.06</li> <li>9. Arti M.K., "OSTBC Transmission in Large MIMO Systems," <i>IEEE Communications Letters</i>, volume 20, number 11, pages 23082311, November 2016. Impact factor: 4.06</li> </ol>
4	Dr.Shailender Gupta	<ol style="list-style-type: none"> <li>1. Tayal, Neha; Bansal, Ritesh; Gupta, Shailender; Dhall, Sangeeta," Analysis of Various Cryptography Techniques: A Survey",<i>International Journal of Security and Its Applications</i>, vol 10 issue 8 pp. no. 59-92 IJSIA-2016</li> <li>2. Jain, Yamini; Bansal, Ritesh; Sharma, Gaurav; Kumar, Bhuvnesh; Gupta, Shailender,"Image encryption schemes: a complete survey", <i>International Journal of Signal Processing, Image Processing and Pattern Recognition</i>, vol 9, issue 7, pp. no. 157-192 IJSIP-2016</li> </ol>



5	Ms.Preet Kaur	<ol style="list-style-type: none"> <li>1. Preet Kaur, S. K. Aggarwal and Asok De, "Design and Investigation of Circularly Polarized RMPA with Chiral Metamaterial Cover", International Journal of Wireless and Microwave Technologies", Vol.6, issue 3, pp.61-70, 2016.</li> <li>2. Preet Kaur, S. K. Aggarwal, Asok De," Performance Enhancement of RMPA using Double H shaped Metamaterial" Springer, Radio Electronics and Communication Systems, November 2016, Volume 59, Issue 11, pp 496-501</li> </ol>
6	Mr.Bal Krishan	<ol style="list-style-type: none"> <li>1. Latika Gulihar and Bal krishan, "Low power with minimal delay phase frequency detector", International Journal of signal processing ,Image processing and Pattern recognition, Vol. 9, No. 8, pp.243-252. (2016).</li> <li>2. Bal Krishan, Sanjai Kumar Agarwal and Sanjeev Kumar, " A Review : Carbon Nanotube Structures, Properties, Growth and Applications", Nano Trends: A Journal of Nanotechnology and Its Applications, Vol.18,No.3,pp.10-22(2016).</li> <li>3. Bal Krishan, Sanjai Kumar Agarwal and Sanjeev Kumar, "Design and Simulation of Carbon Nanotube Field Effect Transistor based Low Pass Filter", International Journal of Signal processing ,Image processing and Pattern recognition, Vol. 9, No.10, pp.47-56. (2016).</li> </ol>
7	Ms.Nitin Sachdeva	<ol style="list-style-type: none"> <li>1. Nitin Sachdeva,Pooja,Alka "Analyzing the threshold voltage and subthreshold Slope of bulk and SOI MOSFET in SILVACO" Journal on Embedded Systems, Vol 5,No.4, pp 11-16, June ,2017</li> </ol>
8	Ms.Rashmi Chawla	<ol style="list-style-type: none"> <li>1. Rashmi Chawla,Poonam Singhal, Amit Kumar Garg, "Performance comparison of Si and InGaN p-n junction solar cell", International Journal of Scientific and Engineering Research, Vol. 8, no. 4, pp:176-181,2017</li> <li>2. Sonal Saini, Rashmi Chawla, "Design Constraints of Silicon Heterojunction Photovoltaic Cells:A Study", International Journal of Scientific and Engineering Research, Vol. 8, no. 4, pp:40-44,2017.</li> <li>3. Anshul Chopra,Rashmi Chawla, "Comparison of V-I characteristics of two different region on the variation of solar radiation on Matlab software" International Journal of Scientific and Engineering Research, Vol. 8, no. 4, pp:92-96,2017.</li> <li>4. Girdhar Gopal ,Rashmi Chawla," Design and Simulation of UART Module with BIST", International Journal of Scientific and Engineering Research, Vol. 8, no. 4, pp:35-39,2017</li> </ol>



## PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

S. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1	Dr.S.K. Agarwal	<ol style="list-style-type: none"> <li>1. Lavita Virmani, S.K. Aggarwal, Dharam Vir “A Novel Approach of Energy-Efficient Cluster-Based Routing Protocol for Wireless Sensor Network” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>2. Dharam Vir, S.K. Aggarwal, Lalit Mohan “The Minimum Energy Routing Scheme for S-Mac and H-Mac Protocols of Wireless Ad Hoc Networks” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>3. Lokesh Gard, S.K. Aggarwal, Vivek Kumar “Enhancement of Transient Stability of Multi Machine System with series FACTS Controllers” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>4. Istak, Salim Khan, Tarun Sachdeva, S.K. Aggarwal “Low Power High speed One Bit Hybrid Full Adder” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> <li>5. Lokesh Garg, S.K. Aggarwal “Application of SSSC and UPFC for Improvement of Transient Stability of Multimachine System” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> </ol>
2	Dr.Munish Vashishath	<ol style="list-style-type: none"> <li>1. Jitisha Aggrawal, Ritesh Bansal, Pradeep Kumar and MunishVashishth, A Survey of Mixed Noise Removal Techniques, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017</li> <li>2. Prashant Kumar, Anjali Chawla, MunishVashishath and P.K. Bansal , An Investigation of Different Gate Dielectric Material for Fd-SOI MOSFET, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017</li> <li>3. Bhuvnesh Kumar Bharat Bhushan and MunishVashisht, A Hybrid Security Mechanism based on RC6 and LSB Status Bit, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</li> <li>4. Sonal Saini, Ashu, NitinGoel and MunishVashishath, Comparison of Solar Energy Generating Materials: A Survey, IEEE 4th International Conference on “Computing for</li> </ol>



		<p>Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</p> <ol style="list-style-type: none"> <li>5. Neetu Gupta, Munish Vashishath, Rajiv Kapoor “A Survey of Block Matching Algorithms” National Conference on Advances in Mathematics &amp; Computing (AMC-2017) 1<sup>st</sup> – 2<sup>nd</sup> May 2017 organized by YMCAUST, Faridabad.</li> <li>6. Neetu Gupta, Munish Vashishath, Rajiv Kapoor “Refined Anomaly Detection in Videos” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>7. Rohit Arora, Munish Vashishath “Designing and Implementation of Three Phase inverter Utilizing Solar Power Using incremental Conductance Algorithm” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>8. Ruchika, Munish Vashishath “Ordered Weighted Averaging Method Used for Tracking of Threshold Based Ship” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26<sup>th</sup>-27<sup>th</sup>, 2016 organized by YMCAUST, Faridabad.</li> <li>9. Dimple Yadav, Neetu Gupta, Munish Vashishath “Estimation of Optical Flow Field for Motion Detection in Videos” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26<sup>th</sup>-27<sup>th</sup>, 2016 organized by YMCAUST, Faridabad.</li> <li>10. Munish Vashishath, Nitin Sachdeva, Alka, Pooja “Optimization in Fabricating 65nm NMOS Transistor using SILVACO Tool” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26<sup>th</sup>-27<sup>th</sup>, 2016 organized by YMCAUST, Faridabad.</li> <li>11. Salim Khan, Vipin Kumar, Munish Vashishath, Nitin Sachdeva “Adiabatic technique for Power Efficient logic circuit design” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26<sup>th</sup>-27<sup>th</sup>, 2016 organized by YMCAUST, Faridabad.</li> <li>12. Taruna Sharma, Munish Vashishath, Rajveer S. Yaduvanshi “Methodology of Controlling Resonance Modes and Result” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26<sup>th</sup>-27<sup>th</sup>, 2016 organized by YMCAUST, Faridabad.</li> <li>13. Rohit Arora, Munish Vashishath, “Solar Power Optimization using Maximum Power Point Tracking (P&amp;O Algorithm) using MATLAB” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26<sup>th</sup>-27<sup>th</sup>, 2016 organized by YMCAUST, Faridabad.</li> </ol>
3.	Dr. Arti M.K.	<ol style="list-style-type: none"> <li>1. Arti M.K. and S. Seema, “High-rate code design and transmission in large MIMO systems”. Proceedings of Computer,</li> </ol>



		<p>Communications and Electronics (Comptelix)", 2017, pp: 1-5</p> <p>2. Arti M.K., "A Simple Scheme of Channel Estimation in Large MIMO Systems". Proceedings Vehicular Technology Conference (VTC Spring), 2016, pp: 1-5</p>
4	Ms.Archana Aggarwal-I	<ol style="list-style-type: none"> <li>1. Archana Agarwal, Archana Agarwal "Channel Modeling for Power Line Communication" National Conference on Advances in Mathematics &amp; Computing (AMC-2017) 1<sup>st</sup> – 2<sup>nd</sup> May 2017 organized by YMCAUST, Faridabad</li> <li>2. Karishma Rao, Sangeeta Dhall, Archana Agarwal "An Optimized Brightness Preserving Bi-Histogram Equalization Technique" National Conference on Advances in Mathematics &amp; Computing (AMC-2017) 1<sup>st</sup> – 2<sup>nd</sup> May 2017 organized by YMCAUST, Faridabad</li> <li>3. Arcgna Aggarwal, Archana Aggarwal "Grid Integration of Renewable energy in India: a complete scenario" National Conference on Advances in Mathematics &amp; Computing (AMC-2017) 1<sup>st</sup> – 2<sup>nd</sup> May 2017 organized by YMCAUST, Faridabad</li> <li>4. Karishma Rao, Sangeeta Dhall, Archana Agarwal "A Modified Histogram Equalization Technique for Contrast Enhancement" National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad</li> <li>5. Archana Aggarwal "Power Line Communication Using OFDM Modulation" National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>6. Archana Aggarwal, Archana Agarwal "Application Based Control Strategies of DRIG in a Wind Energy Conversion System" National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>7. Bhuvnesh Kumar, Karishma Rao, Sangeeta Dhall, Archana Agarwal "Comprehensive Analysis of Global Contrast Improvement Technique" International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> <li>8. Karishma Rao, Sangeeta Dhall, Archana Agarwal "Local Contrast Enhancement Techniques: A Survey" International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> <li>9. Bhuvnesh Kumar, Bhavna Chauhan, Sangeeta Dhall, Archana Agarwal "Comprehensive Study of Imperceptible Watermarking Techniques" International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> </ol>
5	Dr.Neelam Turk	<ol style="list-style-type: none"> <li>1. Gunjan sardana, Satvir Deswal, Neelam Turk "Rotor Fault Detection of BLDC Motor Using EFA" National Conference on New Horizons in Technology for Sustainable Energy and</li> </ol>



		<p>Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad</p> <ol style="list-style-type: none"> <li>2. Sunanda Mendiratta, Neelam Turk, Dipali Bansal “Automatic Speech Recognition System with Support Vector Machine Classifier” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad</li> <li>3. Ankit Rohilla, Sonam Khera, Neelam Turk “Analysis and Removal of interference in Cognitive radio Using RBFN” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>4. Sonam Khera, Neelam Turk, Navdeep Kaur “Comparative Study of Simulation tools for Wireless Sensor Networks” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>5. Kalpana Sheokan, Neelam Turk “Fault Prediction of Induction Machine Using FEM” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> </ol>
6	Ms.Archana Aggarwal-II	<ol style="list-style-type: none"> <li>1. Arcgna Aggarwal, Archana Aggarwal “Grid Integration of Renewable energy in India: a complete scenario” National Conference on Advances in Mathematics &amp; Computing (AMC-2017) 1<sup>st</sup> – 2<sup>nd</sup> May 2017 organized by YMCAUST, Faridabad</li> <li>2. Archana Aggarwal, Archana Agarwal “Application Based Control Strategies of DRIG in a Wind Energy Conversion System” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> </ol>
7	Mr.Dushyant Shukla	<ol style="list-style-type: none"> <li>1. Dushyant Kumar Shukla “Stochastic Differential Equation Noise Analysis of Common-Gate Amplifier with Variable Load” National Conference on Advances in Mathematics &amp; Computing (AMC-2017) 1<sup>st</sup> – 2<sup>nd</sup> May 2017 organized by YMCAUST, Faridabad.</li> <li>2. Dushyant Kumar Shukla “Stochastic Differential Equation Noise Analysis of Common Drain Amplifier with Variable Load” National Conference on Advances in Mathematics &amp; Computing (AMC-2017) 1<sup>st</sup> – 2<sup>nd</sup> May 2017 organized by YMCAUST, Faridabad.</li> <li>3. Dushyant Kumar Shukla “Stochastic Differential Equation Noise Analysis of Common-Base Amplifier with Variable Load” National Conference on Advances in Mathematics &amp; Computing (AMC-2017) 1<sup>st</sup> – 2<sup>nd</sup> May 2017 organized by YMCAUST, Faridabad.</li> <li>4. Dushyant Kumar Shukla “Stochastic Differential Equation Noise Analysis of Common Emitter Amplifier with Variable Load” National Conference on Advances in Mathematics &amp; Computing (AMC-2017) 1<sup>st</sup> – 2<sup>nd</sup> May 2017 organized by YMCAUST, Faridabad.</li> </ol>



8	Mr. Bharat Bhushan	<ol style="list-style-type: none"> <li>1. Bhuvnesh Kumar Bharat Bhushan and MunishVashisht, A Hybrid Security Mechanism based on RC6 and LSB Status Bit, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</li> </ol>
9	Dr.Pradeep Kumar	<ol style="list-style-type: none"> <li>1. Nisha Yadav, Abhishek Agal and Pardeep, Design of a New Single Ended, Separated Read Port, Asymmetric 7T SRAM Cell, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</li> <li>2. Jitisha Aggrawal, Ritesh Bansal, Pradeep Kumar and MunishVashishth, A Survey of Mixed Noise Removal Techniques, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</li> <li>3. Rahul Gupta, Manish Kumar, K.S Raju, Pradeep Kumar Dimri “Face Recognition System-Need of the Hour” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> <li>4. Pradeep Kumar Dimri, Mohit Saini, Lalit Mohan “RFID Based Vehicle and Tracking and Security System” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> </ol>
10	Ms.Sangeeta	<ol style="list-style-type: none"> <li>1. Sangeeta Dhall, Bhuvnesh Kumar and Rashmi Chawla, A Comprehensive Analysis of Various Steganography Techniques under Different Attacks, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</li> <li>2. Karishma Rao, Sangeeta Dhall, Archana Agarwal “An Optimized Brightness Preserving Bi-Histogram Equalization Technique” National Conference on Advances in Mathematics &amp; Computing (AMC-2017) 1<sup>st</sup> – 2<sup>nd</sup> May 2017 organized by YMCAUST, Faridabad</li> <li>3. Karishma Rao, Sangeeta Dhall, Archana Agarwal “A Modified Histogram Equalization Technique for Contrast Enhancement” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad</li> <li>4. Girdhar Gopal, Sangeeta Dhall “Design and Simulation of UART Serial Communication Module” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> <li>5. Bhuvnesh Kumar, Karishma Rao, Sangeeta Dhall, Archana</li> </ol>



		<p>Agarwal “Comprehensive Analysis of Global Contrast Improvement Technique” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</p> <p>6. Karishma Rao, Sangeeta Dhall, Archana Agarwal “Local Contrast Enhancement Techniques: A Survey” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</p> <p>7. Bhavna Chauhan, Shailender Gupta, Sangeeta Dhall “Comprehensive Study of Watermarking Techniques” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</p> <p>8. Bhuvnesh Kumar, Bhavna Chauhan, Sangeeta Dhall, Archana Agarwal “Comprehensive Study of Imperceptible Watermarking Techniques” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</p>
11	Dr.Shailender Gupta	<p>1. Pranshul Sardana, Manisha Garg, Rashmi Chawla and Shailender Gupta, Enhancement of Photocurrent in Organic Solar Cell with Novel Narrow Gap Polymer, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</p> <p>2. Gaurav Sharma, Shailender Gupta and Manju Kumari, A Survey of Image Encryption Schemes based on Chaos Theory, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</p> <p>3. Bhavna Chauhan, Shailender Gupta, Sangeeta Dhall “Comprehensive Study of Watermarking Techniques” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</p>
12	Ms.Neetu Gupta	<p>1. Neetu Gupta, Munish Vashishath, Rajiv Kapoor “A Survey of Block Matching Algorithms” National Conference on Advances in Mathematics &amp; Computing (AMC-2017) 1<sup>st</sup> – 2<sup>nd</sup> May 2017 organized by YMCAUST, Faridabad.</p> <p>2. Preeti Ranga, Neetu Gupta “Edge Preserved Image Denoising Using Modified Sigma Filters” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</p> <p>3. Dimpy Yadav, Neetu Gupta “Object Detection via Deep Learning” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup></p>



		<p>March 2017 organized by YMCAUST, Faridabad.</p> <ol style="list-style-type: none"> <li>4. Neetu Gupta, Renu Singh “Number Plate Recognition System” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>5. Neetu Gupta, Munish Vashishath, Rajiv Kapoor “Refined Anomaly Detection in Videos” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>6. Lalit Negi, Anju Gupta, Neetu Gupta, “Designing and Simulation of Speech Signal Algorithm for Enhancing intelligibility in Hearing Impairment” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>7. Neetu Gupta, Harshu Dutt Parashar “Different Motion Detection Techniques in Videos” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>8. Dimple Yadav, Neetu Gupta “Estimation of Optical Flow Field Using Lucas-Kanade Method” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> <li>9. Dimple Yadav, Neetu Gupta, Munish Vashishath “Estimation of Optical Flow Field for Motion Detection in Videos” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> </ol>
13	Dr..Sheilza Jain	<ol style="list-style-type: none"> <li>1. Manpreet Kaur, Sheilza Jain “Fuzzy Bassed Steam Temperature Control of a Boiler Using MATLAN Simulink” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>2. Wasim Akram Rana, Sheilza Jain “Tracking Control of High Precision Positioninig System” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>3. Wasim Akram Rana, Sheilza Jain “I and PI Control of High Precision Positioning System” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad</li> <li>4. Manpreet Kaur, Sheilza Jain “Naural Network Based Steam Temperature Control of A Boiler By Simulation Under MATLAB Simulink” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> </ol>
14	Dr..Preet Kaur	<ol style="list-style-type: none"> <li>1. Preet Kaur, S. K. aggarwal and Asok De,”Design and Analysis of Subwavelength RMPA using Double Folded I Shaped ENG</li> </ol>



		Metamaterial”, IEEE conference on power electronics, intelligent control and energy system (ICPEICES), 2016.
15	Mr.Bal Krishan	<ol style="list-style-type: none"> <li>1. Prerna Chauhan and Bal krishan, “Design and implementation of low power SRAM cell using self-controlled voltage level”, proceeding of 3rd International Conference on Emerging Trends in Engineering, Technology, Science and Management (ICETETSM-2017), June 2017, pp.1-10, ISBN: 978-93-86171-48-1.</li> <li>2. Bal Krishan, Sanjai Kumar Agarwal and Sanjeev Kumar, “A comparative study of CNFET and conventional MOSFET”, proceeding of National Conference on Design and Innovation, June 2017 at IIT Delhi.</li> </ol>
16	Mr.LalitRai	<ol style="list-style-type: none"> <li>1. Ashu, Sonal Saini, Rashmi Chawla and Lalit Rai, Performance Enhancement of Organic Solar Cells using Perovskite Material Incorporating PERC Technology, Proceedings of the 11th INDIACom; INDIACom-2017; IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</li> <li>2. Aakriti Khanna, Lalit Rai “Model Predictive Control of DC Motor Model Using MATLAB” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>3. Ramanpreet Kaur, Lalit Rai “Water Level Control of Drum Boiler System Using Fuzzy Controller Using MATLAB” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> </ol>
17	Ms.Nitin Sachdeva	<ol style="list-style-type: none"> <li>1. Munish Vashishath, Nitin Sachdeva, Alka, Pooja “Optimization in Fabricating 65nm NMOS Transistor using SILVACO Tool” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16), Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> <li>2. Salim Khan, Vipin Kumar, Munish Vashishath, Nitin Sachdeva “Adiabatic technique for Power Efficient logic circuit design” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> </ol>
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19	Ms.Sonam Khera	<ol style="list-style-type: none"> <li>1. Ankit Rohilla, Sonam Khera, Neelam turk “Analysis and Removal of interference in Cognitive radio Using RBFN” National Conference on New Horizons in Technology for</li> </ol>



		<p>Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</p> <ol style="list-style-type: none"> <li>2. Dharam Vir, S.K. Aggarwal, Lalit Mohan “The Minimum Energy Routing Scheme for S-Mac and H-Mac Protocols of Wireless Ad Hoc Networks” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>3. Sonam Khera, Neelam Turk, Navdeep Kaur “Comparative Study of Simulation tools for Wireless Sensor Networks” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad.</li> <li>4. Ankit Rohilla, Sonam Khera “Analysis and Removal of Interference in Cognitive Radio Using RBFN” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</li> </ol>
20	Ms.Rashmi Chawla	<ol style="list-style-type: none"> <li>1. Pranshul Sardana, Manisha Garg, Rashmi Chawla and Shailender Gupta, Enhancement of Photocurrent in Organic Solar Cell with Novel Narrow Gap Polymer, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</li> <li>2. Sangeeta Dhall, Bhuvnesh Kumar and Rashmi Chawla, A Comprehensive Analysis of Various Steganography Techniques under Different Attacks, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</li> <li>3. Ashu, Sonal Saini, Rashmi Chawla and Lalit Rai, Performance Enhancement of Organic Solar Cells using Perovskite Material Incorporating PERC Technology, Proceedings of the 11th INDIACom; INDIACom-2017; IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</li> </ol>
21	Ms.Gunjan Sardana	<ol style="list-style-type: none"> <li>1. Priyanka Choudhary, Gunjan Sardana “Girl’s Safety System” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad</li> <li>2. Karishma Rao, Sangeeta Dhall, Archana Agarwal “A Modified Histogram Equalization Technique for Contrast Enhancement” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad</li> <li>3. Gunjan sardana, Satvir Deswal, Neelam Turk “Rotor Fault Detection of BLDC Motor Using EFA” National Conference on New Horizons in Technology for Sustainable Energy and</li> </ol>



		<p>Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad</p> <p>4. Priyanka Choudhary, Gunjan Sardana “Automaic Solar Tracker” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</p>
22	Ms.Kalpna Sheokand	<p>1. Ram Lal, Kalpana Sheokand “High-Speed and Low Power Voltage Level Shifter for Dual-Supply Application” National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-17) 9<sup>th</sup>-10<sup>th</sup> March 2017 organized by YMCAUST, Faridabad</p> <p>2. Kalpana Sheokan, Neelam Turk “Fault Prediction of Induction Machine Using FEM” International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) Dec., 26-27, 2016 organized by YMCAUST, Faridabad.</p>
23	Mr. Sunil Jadav	<p>1. Sanjeet Dahiya, Sunil Jadav, Munish Vashishath “VLSI Technology: Breakthrough in Medical Imaging” has been published in RSTTMI conference proceeding, 5<sup>th</sup> -7<sup>th</sup> March 2016, organized by YMCAUST Faridabad.</p> <p>2. Garima Jain, Sunil Jadav, Munish Vashishath “NanoWire: A Future Interconnect” has been published in RSTTMI conference proceeding, 5<sup>th</sup> -7<sup>th</sup> March 2016, organized by YMCAUST Faridabad.</p> <p>3. Saurabh Malik Sunil Jadav, Munish Vashishath “VLSI Technology: 3D IC’s” has been published in RSTTMI conference proceeding, 5<sup>th</sup> -7<sup>th</sup> March 2016, organized by YMCAUST Faridabad.</p> <p>4. Pooja Rathi Sunil Jadav, Munish Vashishath “Study &amp; Comparison of CNFET with Conventional MOSFET” has been published in RSTTMI conference proceeding, 5<sup>th</sup> -7<sup>th</sup> March 2016, organized by YMCAUST Faridabad.</p> <p>5. Saumya Rastogi Sunil Jadav, Munish Vashishath “Process Investigation for Junction diode” has been published in RSTTMI conference proceeding, 5<sup>th</sup> -7<sup>th</sup> March 2016, organized by YMCAUST Faridabad.</p>
24	Ms.Manju Kumari	<p>1. Gaurav Sharma, Shailender Gupta and Manju Kumari, A Survey of Image Encryption Schemes based on Chaos Theory, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</p>
25	Ms. Nisha Yadav	<p>1. Nisha Yadav, Abhishek Agal and Pardeep, Design of a New Single Ended, Separated Read Port, Asymmetric 7T SRAM Cell, IEEE 4th International Conference on “Computing for Sustainable Global Development”, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), 01st - 03rd March, 2017.</p>



### WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

Sr. No.	Name of Activity	Title	Dates
1	Dr.Neelam Turk (Seminar)	Seminar on “Embedded System and Design”	09-09-2016
2	Dr.Sheilza Jain (Seminar)	Seminar on “Embedded System and Design”	09-09-2016

### STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
1	Dr.Neelam Turk	STC on ‘Environment, Development and Sustainability’	HAS Department of YMCAUST sponsored by NITTTR, Chandigarh.	04-07-2016	08-07-2016
2	Ms.Neetu Gupta	1. Environment, Development and Sustainability	YMCAUST, Faridabad	04-07-2016	08-07-2016
		2. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017
3	Dr.Sheilza Jain	1. Environment, Development and Sustainability	YMCAUST, Faridabad	04-07-2016	08-07-2016
		2. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017
4	Ms.Preet Kaur	1. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017
5	Mr.Bal Krishan	1. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017



6	Mr.Lalit Rai	1. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017
7	Ms.Nitin Sachdeva	1. Recent Advances and Entrepreneurship in Renewable Energy"	YMCAUST, Faridabad	22-08-2016	27-08-2016
		2. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017
8	Ms. Priyanka	1. Environment Development and sustainability	YMCAUST , Faridabad	04-07-2016	08-07-2016
9	Mr.Prashant Kumar	1. Environment, Development and Sustainability	HAS Department YMCAUST.	04-07-2016	08-07-2016
10	Ms. Sonam khera	1. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017
11	Ms.Gunjan Sardana	1. Environment, Development and Sustainability	HAS Department YMCAUST	04-07-2016	08-07-2016
		2. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017
12	Ms.Kalpana Sheokand	1. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017
13	Mr. Sunil Jadav	1. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017
14	Ms.Manju Kumari	1. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017
15	Nisha Goyal	1. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017



16	Nisha Yadav	1. Real time data acquisition and analysis using LAB VIEW"	YMCAUST, Faridabad .	08-05-2017	12-05-2017
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**FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS etc.**

Sr. No.	Name of Faculty	Details
1	Dr. Arti M.K.	1. Member IEEE
2	Ms.Archana Aggarwal	2. Member, ISTE
3	Dr.Neelam Turk	1. Life time Member, ISTE
4	Mr. Bharat Bhushan	1. Member, ISTE 2. Member IEI
5	Dr.Pradeep Kumar	1. Member IEEE 2. Member ACM 3. Life Member, ISTE 4. Life Member IETE 5. Life Member IE
6	Ms. Sangeeta	1. Life Member, ISTE 2. Associate, IEI
7	Dr. Shailender Gupta	1. Member, ISTE 2. Member IEI 3. Editorial Member of IJMECS 4. Editorial Member of IJCNA 5. Editorial Member of IJETER 6. Sub editor of YMCA UST journal
8	Ms.Neetu Gupta	1. Member, ISTE
9	Dr.Sheilza Jain	1. Life time Member, ISTE
10	Ms.Preet Kaur	1. Member, ISTE
11	Mr.Bal Krishan	1. Life Member, ISTE. 2. IAENG Membership. 3. Membership of the Institution of Engineers (India).
12	Mr.LalitRai	1. Member, ISTE 2. Member IEI 3. LM-IAENG 4. Member ISC



13	Ms.Nitin Sachdeva	1. Member, IAENG
14	Mr.Prashant Kumar	1. Sub Editor, YMCAUST IJR
15	Ms. Sonam khera	1. Member, ISTE
16	Ms.Rashmi Chawla	1. Member, ISTE 2. LM-IAENG 3. Editorial Board- SRP (Science Review Panel) of FGSI.
17	Ms.Gunjan Sardana	1. Member, ISTE
18	Ms.Kalpana Sheokand	1. Member, ISTE

**LIST OF PH.D. COMPLETED**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Topic</b>	<b>Awarding Year</b>	<b>Institution</b>
1.	Ms. Preet Kaur	Design and analysis of micro-strip antena using metamaterial and active devices.	March 2016	YMCAUST



**ELECTRICAL ENGINEERING  
DEPARTMENT**



## DEPARTMENT OF ELECTRICAL ENGINEERING

The Department of Electrical Engineering is committed to impart technical education in the most efficient manner to its students. It was established in the year 2012 (earlier combined with Electronics Engineering Department and known as EEE Department running since the inception of YMCAIE). The department has equipped itself with workshops/labs and syllabus for achieving engineering education excellence, from the support of excellent faculty of the Department, YMCA UST has established itself as well known entity in the field of Electrical education.

### DEPARTMENT PROFILE

<b>UG Course:</b>	B. Tech. (Electrical Engineering)
<b>PG Course:</b>	M. Tech. (Power Systems)
<b>Ph.D. :</b>	Electrical Engineering
<b>Target Students:</b>	
<b>Total Number of Faculty:</b>	<b>14</b> (02 Professor + 02 Associate Prof. +10 Assistant Prof.)
<b>Number of Ph.D.'s:</b>	06
<b>Average Experience of faculty:</b>	13 years
<b>Chairperson:</b>	<b>Dr. Rajesh Kr. Ahuja</b>

### DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1.	Labs	04
2.	Workshops	01
3.	Lecture Halls	04
4.	Conference Room	01 common with Electronics Engg. Dept.
5.	Seminar Halls/Projector Rooms/Research Lab	01
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	-



## FACULTY PROFILE

S. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Dr P.R Sharma	Professor	Ph.D (2004)	FACTS Devices	24
2	Dr. Rajesh Ahuja	Professor	Ph.D (2012)	Power Electronics and Drives	20
3	Dr.Anju Gupta	Associate Professor	Ph.D (2014)	Power System Stability and Control System	16
4	Dr.Poonam Singhal	Associate Professor	Ph.D (2015)	FACTS and AI Techniques	26
5	Mr V.K Sharma	Assistant Professor	M.Tech. (1998)	Robotics and control system	19
6	Mr Nitin Goel	Assistant Professor	M.Tech. (2006)	Power System and Machines	11
7	Ms Shakuntala	Assistant Professor	M.Tech. (2005)	Renewable Energy and Electrical Machines	12
8	Dr. Sakshi	Assistant Professor	Ph.D (2014)	Power Quality and Control System	11
9	Dr. Rashmi Agarwal	Assistant Professor	Ph.D (2013)	Congestion Management	11
10	Ms Anubha Gautam	Assistant Professor	M.Tech. (2007)	Power Electronics	11
11	Ms Shipra Aggarwal	Assistant Professor	M.Tech. (2008)	Power System	8
12	Mr Satvinder Singh	Assistant Professor	M.Tech. (2011)	Power System	5
13	Ms Rachna	Assistant Professor	M.Tech. (2013)	Power System	3
14	Mr Atma Ram	Assistant Professor	M.Tech. (2012)	Power System	5



**DEPARTMENTAL PUBLICATIONS& FDP/STC (01-07-2016 to 30-06-2017)**

Sr. No.	Particular	Count
1	Publications in International Journals	09
2	Publications in National Journals	-
3	Publications in International Conferences	09
4	Publications in National conferences	23
5	STC/FDP	27

**PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS**

**(01-07-2016 to 30-06-2017)**

S. No.	Name of Faculty	Title, Journal, Vol, Issue, Pages, Year
1	Dr. P. R. Sharma	1. PinkyYadav,P.R.Sharma“Optimal location of UPFC in power system using multi objective GAPS0 Hybrid algorithm”. International Journal Series in Engg. Science , Vol. 2, No. 3, ,2016.
2	Dr. Anju Gupta	1. LalitNegi, Anju Gupta, Neetu gupta, “Improving Hearing Capability by Simulation of Speech signal algorithm using MATLAB” International Journal of Engg. Scientific and Engg. Research, Vol 8,Issue 4, April 2107 2. Lalit Negi, Anju Gupta, Pooja Khurana, “Enhancing Security System using Finger Print based Authentication” International Journal of Computer Applications,Vol 166 , No. 3 May 2017 3. Urmila Bainsla and anju Gupta , “Comparison of SVC and TCSC for Transient Stability Enhancement of Multi-machine System” International Journal Of Advanced Reseach in Electrical, Electronics and Instrumentation Engineering, Vol 5, Issue 9, Sep. 2016.
3	Dr. Poonam Singhal	1. Poonam Singhal and Sakshi Sharma, “Hybrid T-I-D and Fuzzy Logic Based SVC Controller for Transient Stability Enhancement” Int. Journal of Engineering Research and Application, Vol. 7, Issue 6, (Part -1), pp.31-36,June 2017
4	Ms. Shakuntala	1. Bhanu Bhatla, Shakuntla Boora, “An analytical approach to find size of Distributed Generator for allocation in Radial Distributed Networks”, IJAREEIE, Vol.5, Issue 7, pp.6073-6082, July 2016. 2. Shakuntla Boora, ”Analysis of three-phase star connected Isolated asynchronous generator” IJEET, Vol.7, Issue6 ,pp.133-141, Dec 2016 3. Shakuntla Boora, Geetanjali Dass, “The Dynamic Modelling of Self-Excited Induction Generator”, IJAREEIE, IJAREEIE, Vol.5, Issue 6, Aug 2016.
5	Mr.Nitin Goel	1. Nancy, Nitin Goel, “Application of FACTS devices in wind farm” International Journal of Engineering Research and General Science, Vol 5, Issue 3, June-2017



**PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES**

S. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1	Dr. Anju Gupta	<ol style="list-style-type: none"> <li>Lalit Negi, Preet iRanga, Anju Gupta, Neetu Gupta ,”Security System using Finger Print Based Authentication” Recent Trends in Science, Engineering, Information Technology &amp; Management, Apr-17</li> <li>Lalit Negi, Anju Gupta, Neetu Gupta ,”Improving Hearing Capability by Simulation of Speech Signal Algorithm using MATLAB” National Conference on Innovations In Electronics And Telecommunication Design (NCIETD-2017), 24th &amp; 25th Mar2017</li> <li>Lalit Negi, Anju Gupta, Neetu Gupta ,”Designing and Simulation of Speech Signal Algorithm for enhancing intelligibility in Hearing Impairment” NHTSEE 2017, 9-10 Mar-17</li> <li>Lalit Negi, Anju Gupta, Neetu Gupta ,”Anti Social Security issues and theri solutions in Data Minimg, ISSC 2017, Mar-17</li> <li>Anju Gupta, NehaChaudhary,Yogesh Kumar ,”Design and Analysis of Tuning Methods of PID Controller with interfacing MIMO System”, NHTSEE 2017,9-10 Mar-17</li> <li>Tammann aGaur,Anju Gupta ,”Image Compression Using MATLAB” ” NHTSEE 2017, 9-10 Mar-17</li> <li>Muzami lRasoo lMalik,Anju Gupta ,”Domination of SOGC over other fuel Cells and Batteries used in a micro grid”, NHTSEE 2017,9-10 March 2017</li> <li>LalitNegi, Anju Gupta, Neetu Gupta ,”Braking System using Eddy Currents”National Conference on AMC ,May 2017</li> </ol>
2	Dr. Poonam Singhal	<ol style="list-style-type: none"> <li>Poonam Singhal, AtmaRam and UpdeshUpadhyay,”Power System transient stability improvement using Fuzzy-PI based STATCOM Controller,NHTSEE,9-10 March 2017</li> </ol>
3	Ms. Shakuntala	<ol style="list-style-type: none"> <li>Shakuntla Boora, Geetanjali ,”Review on induction machine analysis”,NHTSEE, 9-10 March 2017.</li> </ol>
4	Mr. NitinGoel	<ol style="list-style-type: none"> <li>Sonal Saini, Ashu, Nitin Goel and MunishVashishath,”Comparison of Solar Energy Generation Materials (A Survey)” IEEE Conference INDIACom-2017, 1-3 March 2017</li> </ol>
5.	Dr. Sakshi Kalra	<ol style="list-style-type: none"> <li>Sakshi bangia,Shuchi Singh, “LabVIEW Based Analysis Of Two Input And Two Output Interacting Tank System” IEEE Conference ICPEICES 2016, 4-6 July 2016</li> <li>Sakshi Bangia, Veena ,”Labview implementation of liquid level control using PID” International conference of sustainable development through Research in engineering and management (SDREM-16), 26-27 DEC,2016</li> <li>Sakshi Bangia, MadhuBala, Bharti Tundwa, “MPPT Using P&amp;O Algorithms for PV System”NHTSEE, 9-10 March 2017</li> <li>Sakshi Bangia, MadhuBala, BhartiTundwal, “Modelling and Simulation of DFIG Based WECS”, NHTSEE, 9-10 March 2017</li> </ol>



		<ol style="list-style-type: none"> <li>5. Rohit Arora, Sakshi Bangia, "Design of A Room Temperature and Humidity Controller Using Fuzzy Logic", NHTSEE, 9-10 March 2017</li> <li>6. Sakshi Bangia, Veena Kapoor, "Design and Implementation of SISO Process Using PID", NHTSEE, 9-10 March 2017</li> <li>7. LabView Implementation of Level Control of Coupled Tanks Using PID", NHTSEE, 9-10 March 2017</li> <li>8. Sakshi Bangia, Ritika Thusoo, "Control of QTP Using Relative Gain Array Concept", NHTSEE, 9-10 March 2017</li> </ol>
6	Dr.Rashmi Aggarwal	<ol style="list-style-type: none"> <li>1. Munish Nagar, Sanjay Singh, Sushil Kumar, Rashmi Jain, "Study of Quantum motivated evolutionary Algorithm", International conference of sustainable development through Research in engineering and management (SDREM-16), 26-27 DEC, 2016</li> <li>2. Kaushal Prakash, Abhishek, Rashmi Jain, "Review Paper of HVDC Trend in India" Sustainable Development through Research in Engineering and Management (SDREM 2016), 26-27 Dec. 2016</li> </ol>
7	Ms.AnubhaGautam	<ol style="list-style-type: none"> <li>1. Naveen kumar Upadhyay, Anubha Gautam, Shipra Aggarwal, "Power control and voltage profile enhancement with the realization of static synchronous series compensator", National conference on Contemporary Computing, Nov, 2016</li> </ol>
8	Ms.Shipra	<ol style="list-style-type: none"> <li>1. Shipra Aggarwal, Anubha Gautam, "Power system stability enhancement using FACTS device" International conference of sustainable development through Research in engineering and management (SDREM-16), 26-27 DEC, 2016.</li> <li>2. Shipra Aggarwal, "Transformer Inrush Current Minimization", National conference on contemporary computing, Nov 2016</li> </ol>
9	Mr.Satvinder	<ol style="list-style-type: none"> <li>1. Satvinder Singh, "speed control of dc motor using pi, ip and fuzzy logic controller" NHTSEE, 9-10 March 2017</li> </ol>
10	Ms.Rachna	<ol style="list-style-type: none"> <li>1. Rachna, "Solar Energy in India: Strategies and Challenges", International conference of sustainable development through Research in engineering and management (SDREM-16), 26-27 DEC, 2016</li> <li>2. Rachna, "Review on various optimal location techniques for FACTS devices", NHTSEE, 9-10 March 2017</li> </ol>
11	Mr.Atma Ram	<ol style="list-style-type: none"> <li>1. Atma Ram, P.R. Sharma, R.K. Ahuja, "Mitigation of voltage for power quality improvement" International conference of sustainable development through Research in engineering and management (SDREM-16), 26-27 DEC, 2016</li> <li>2. Atma Ram, P.R.Sharma, Satvinder Singh, "Speed control of DC Motor Drive using P-I, I-P and Fuzzy logic Controller", NHTSEE, 9-10 March 2017</li> <li>3. Atma Ram, P.R.Sharma, R.K. Ahuja, "Modeling and Simulation of a Distribution STATCOM (D-STATCOM) for Voltage Sag Improvement Based on Sinusoidal Pulse Width Modulation (SPWM)", NHTSEE, 9-10 March 2017</li> <li>4. Poonam Singhal, Atma Ram, Updesh Upadhyay, "Transient Stability improvement Using STATCOM", NHTSEE, 9-10 March 2017</li> <li>5. Atma Ram, Updesh Upadhyay, "GSM Based Mobile Starter" NHTSEE, 9-10 March 2017</li> </ol>



### WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

S.No.	Name of Activity	Title	Dates
1	Seminar	Career Counseling	23-08-2016
2	Workshop	MATLAB and SIMULINK Fundamentals	2-09-2016 to 04-09-2016
3	An industrial visit	At 400KV substation Ballabgarh, Power Grid Cooperation Ltd	07-09-2016
4	Seminar	PLC & SCADA in collaboration with SOFCO	28-09-2016
5	Workshop	Automation: PLC and SCADA	17-01-2017 to 21-01-2017
6	National Conference	NHTSEE 17	09-03-2017 to 10-03-2017

### STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED

S. No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
1	Dr. Rajesh Kr. Ahuja	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
2	Dr.P.R.Sharma	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
3	Dr.Anju Gupta	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
4	Dr.Poonam Singhal	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
5	Mr.V.K. Sharma	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
6	Mr.Nitin Goel	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
7	Ms.Shakuntala	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
		Big data analysis and data/text mining using SPSS	YMCAUST, Faridabad	19-12-2016	24-12-2016



8		AICTE approved STC on 'Environment, Development and Sustainability'	YMCAUST, Faridabad	04-07-2016	08-07-2016
		FDP on "MATLAB and SIMULINK	YMCAUST, Faridabad	18-07-2016	22-07-2016
	Dr.Sakshi Kalra	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
		Faculty Development Programme on "Process Control "	MRIU,FARID ABAD	19-12-2016	23-12-2016
		AICTE approved STC on 'Environment, Development and Sustainability'	YMCAUST, Faridabad	04-07-2016	08-07-2016
9	Dr.Rashmi Aggarwal	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
		Faculty Development Programme on "Process Control "	MRIU,FARID ABAD	19-12-2016	23-12-2016
10.	Ms.Anubha	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
		Big data analysis and data/text mining using SPSS	YMCAUST, Faridabad	19-12-2016	24-12-2016
11	Ms.Shipra	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
12	Mr.Satwinder	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
13	Mr.Rachna	Automation: PLC & SCADA	YMCAUST, Faridabad	17-01- 2017	21-01- 2017
		Big data analysis and data/text mining using SPSS	YMCAUST, Faridabad	19-12-2016	24-12-2016
		AICTE approved STC on 'Environment, Development and Sustainability'	YMCAUST, Faridabad	04-07-2016	08-07-2016



14	Mr. Atma Ram	Automation: PLC & SCADA	Electrical Engg. Dept. YMCAUST, Faridabad	17-01-2017	21-01-2017
		Big data analysis and data/text mining using SPSS	YMCAUS, Faridabad	19-12-2016	24-12-2016

**GATE/CAT/ OTHER EXAM QUALIFIED STUDENTS 2016-2017**

Sr. No.	Name of Exam	Year	Count of Qualified Students
1	GATE	2017	10
2	CAT	2017	01



## **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**

<b>UG Course:</b>	B. Tech. (Computer Engineering)
<b>PG Course:</b>	M. Tech. (Computer Engineering & Computer Networking )
<b>Ph.D. :</b>	Computer Engineering
<b>Target Students:</b>	
<b>Total Number of Faculty:</b>	(4 Professor + 1 Associate Prof. + 15 Assistant Prof.)
<b>Number of Ph.D.'s:</b>	13
<b>Average Experience of faculty:</b>	12 years. (approx.)
<b>Chairperson:</b>	<b>Dr. Komal Kumar Bhatia</b>

**DEPARTMENTAL FACILITIES**

The department is well equipped with the following facilities:

<b>Sr. No.</b>	<b>Facility</b>	<b>Count/Details</b>
1.	Labs	9
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 Robotics Lab



## FACULTY PROFILE

S. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Dr. Chander Kumar Nagpal	Professor	Ph.D. (2005)	Soft Computing, Automata Theory	29
2	Dr. Naresh Chauhan	Professor	Ph.D.(2008)	Internet & Web Technology, Software Testing	14
3	Dr. Komal Kumar Bhatia	Professor & Chairman	Ph.D.(2009)	Information Retrieval, Web Mining	16
4	Dr. Atul Mishra	Professor	Ph.D.(2012)	Object Oriented Designs, Distributed Systems, Cloud Computing, Big Data, Network Management	25
5	Dr. Ashutosh Dixit	Associate Professor	Ph.D (2011)	Internet and Web Technologies	14
6	Dr. Jyoti	Assistant Professor	Ph.D (2012)	Web Mining, OOP, Operating System	14
7	Dr. Harish Kumar	Assistant Professor	Ph.D. (2017)	Software Testing, Project Management & Computer Programming	12
8	Dr. Parul Tomar	Assistant Professor	Ph.D. (2012)	Adhoc Network, Database	13
9	Dr. Neelam Duhan	Assistant Professor	Ph.D. (2011)	Information Retrieval, Web Mining, Databases	13
10	Dr. Sapna Gambhir	Assistant Professor	Ph.D. (2010)	Wireless Networks, Adhoc Social Networks, Online Social Networks	15
11	Dr. Parul Gupta	Assistant Professor	Ph.D (2013)	Information Retrieval	14
12	Ms. Shruti Sharma	Assistant Professor	M.Tech (2006)	Information Retrieval	12
13	Dr. Anuradha	Assistant Prof. CE	Ph.D. (2011)	Web Mining	14
14	Dr. Preeti Sethi	Assistant Professor	Ph.D. (2016)	Software Agents, Wireless Sensor Networks	15
15	Ms. Ashlesha Gupta	Assistant Professor	M.E (C.E)	Internet Technologies	12.5



16	Ms. Alka Chaudhary	Assistant Professor	M.Tech(2006)	Image Processing and NLP	11
17	Ms. Mamta Mahiya	Assistant Professor	M.Tech(2016)	Cloud Computing	1.5
18	Ms. Shikha Gupta	Assistant Professor	M.Tech. (2014)	Big Data, Online Marketing	3
19	Ms. Bhanu	Assistant Professor	M.Tech(2017)	Information Security	0.5
20	Ms. Meenakshi	Assistant Professor	M.Tech(2016)	Indexing, Data Mining	1.5

**DEPARTMENTAL PUBLICATIONS & FDP/STC**

Sr. No.	Particular	Count
1	Publications in International Journals	27
2	Publications in National Journals	-
3	Publications in International Conferences	15
4	Publications in National conferences	22
5	STC/FDP	28

**PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS**

Sr. No.	Name of Faculty	Title, Journal, Vol, Issue, Pages, Year
1	Dr. Chander Kumar Nagpal	<ol style="list-style-type: none"> <li>1. "An efficient hybrid security mechanism based on chaos and improved BPCS", Multimedia Tools and Applications, DOI 10.1007/s11042-017-4600-6, 2016.</li> <li>2. "A Novel technique to prevent PUE attack in CRN", IJCNIS, 2016, vol-12, pp.-44-50.</li> <li>3. A Novel Anti-jamming technique for Cognitive radio Network", IJGDC, 2016, vol-9(11), pp.-247-260.</li> <li>4. "A Novel Anti-jamming technique for Cognitive radio Network", IJFCM, 2017, vol-2(2), pp.-87-11</li> </ol>



2	Dr. Naresh Chauhan	<ol style="list-style-type: none"> <li>1. Amita Arora, Manjeet Singh, &amp; Naresh Chauhan (2017) . Automatic Ontology Construction using Conceptualization and Semantic Roles. <i>International Journal of Information Retrieval Research</i>, Volume 7, Issue 3, Pages (62-80), July-September 2017</li> <li>2. Amita Arora, Akanksha Diwedy, Manjeet Singh and Naresh Chauhan ,Machine Learning Approach for Text Summarization "International Journal of Database Theory and Application" with ISSN 2005-4270. (pp. 83-90),2017</li> <li>3. Vedpal , Harish Kumar , Naresh chauhan “A Fault – Severity based Regression Test Case Prioritization Technique for Object Oriented Software” International Journal of Computer Science Engineering (IJCSE) ISSN : 2319-7323 Vol. 5 No.06 Nov 2016</li> </ol>
3	Dr. Ashutosh Dixit	<ol style="list-style-type: none"> <li>1. Shilpa Sethi and Ashutosh Dixit “An automatic user interest mining technique for retrieving quality data” Accepted for publication in International journal of business analytics. Volume 4 • Issue 2 • April-June 2017, pp 62-79, ISSN: 2334-4547.</li> <li>2. Deepika and Ashutosh Dixit “Design of a Migrating Crawler Based on a Novel URL Scheduling Mechanism using AHP” International Journal of Rough Sets and Data Analysis (IJRSDA) IGI Global Journal Vol. 4 Issue 1 Jan 2017 pp 95-110. ISSN: 2334-4598, EISSN: 2334-4601</li> </ol>
4	Dr. Jyoti	<ol style="list-style-type: none"> <li>1. Yashasvee shukla, Jyoti, “State of Art Survey of Travel based Recommendation System”, in the proc of International Journal of Advanced Research in Computer Science, March-April 2017</li> <li>2. Divya, Jyoti, “State of the Art Survey of various User recommendation Techniques”, in the Proc of International Journal of Advanced Research in Computer Science, March –April 2017</li> </ol>
5	Dr. Harish Kumar	<ol style="list-style-type: none"> <li>1. “A Fault Severity based Regression Test Case Prioritization Technique for Object Oriented Software”, In International Journal of Computer Science &amp; Engineering (IJCSE), Nov, 2016.</li> </ol>



6	Dr. Parul Tomar	<ol style="list-style-type: none"> <li>1. Neelam Duhan, Parul Tomar and Amit Siwach, "PFIMII: Parallel Frequent Itemset Mining using Interval Intersection", International Journal of Computer Applications (0975-8887), volume 156, No 13, pp 10-15, Dec 2016</li> <li>2. Bindiya Bhatia, M. K. Soni, Parul Tomar, "Vulnerability Analysis of Mobile Agents Praxis in Mobile Ad-Hoc Networks", International Journal of Computer Applications (0975 - 8887) Volume 163 , No 7, April 2017, pp. 58-65</li> <li>3. Bindiya Bhatia, M. K. Soni, Parul Tomar, "Security Breaches in Trust Management Schemes in Mobile Ad-hoc Networks" , International Journal of Advanced Research (IJAR), ISSN 2320-5407, June 2017, pp. 405-412</li> <li>4. Monika Jatiwal, Parul Tomar, "A Study on Detection of Misbehaving Nodes in Ad Hoc Routing" , International Journal of Advanced Research in Computer and Communication Engineering, Issue 6, ISSN 2278-1021 June 2017, pp. 439-442</li> </ol>
7	Dr. Neelam Duhan	<ol style="list-style-type: none"> <li>1. Mamta Kathuria, C. K. Nagpal, Neelam Duhan, "Journey of Web Search Engines: Milestones, Challenges &amp; Innovations". International journal of Information Technology and Computer Science, MECS Publisher, ISSN: 2074-9015, Dec. 2016, pp: 47-58. DOI: 10.5815/ijites.2016.12.06</li> <li>2. Neelam Duhan, Parul Tomar, Amit Siwach, "PFIMII: Parallel Frequent Itemset Mining using Interval Intersection". International Journal of Computer Applications (0975 - 8887). Volume 156 - No.13, December 2016, pp:10-15</li> <li>3. Gagandeep Singh Narula, Usha Yadav, Neelam Duhan, Vishal Jain, "Lexical, Ontological &amp; Conceptual Framework of Semantic Search Engine (LOC-SSE)". BIJIT- BVICAM's International Journal of Information Technology, Vol 8(2), July-Dec 2016, ISSN: 0973-5658</li> <li>4. Ranjna Jain, Neelam Duhan, A. K. Sharma, "Design of Building Automatic Global Concept Indexer for Ontology Alignment". International Journal of Engineering and Technology (IJET), Vol 9 No 3 Jun-Jul 2017, ISSN (Online) : 0975-4024, pp: 1532-1541</li> </ol>



8	Dr. Sapna Gambhir	<ol style="list-style-type: none"> <li>1. Madhumita Kathuria<sup>1</sup>, Sapna Gambhir<sup>2</sup> "Improvement of Quality of Service Parameters in Dynamic and Heterogeneous WBAN" Indonesian Journal of Electrical Engineering and Informatics (IJEEI) Vol. 4, No. 4, December 2016, pp. 299~306</li> <li>2. Madhumita Kathuria, Sapna gambhir, "Performance Optimization in WBAN Using Hybrid BDT and SVM Classifier" International Journal of Information Technology and Computer Science, 2016, 12, 83-90</li> <li>3. Nagender Aneja and Sapna Gambhir, Middleware Architecture for Ad-hoc Social Network, Research Journal of Applied Sciences, Engineering and Technology, Maxwell Scientific Publication Corp., Volume 13(9) Pages 690-695, 2016</li> </ol>
9	Dr. Parul Gupta	<ol style="list-style-type: none"> <li>1. "Implementation of Event Extraction from Twitter using LDA", IJARCS, Vol 8 No. 4, May-June 2017</li> </ol>
10	Ms. Shruti Sharma	<ol style="list-style-type: none"> <li>1. Implementation of Event Extraction from Twitter using LDA", IJARCS, Vol 8 No. 4, May-June 2017</li> <li>2. A Survey : Opinion Mining Its tools and Techniques, IJARCS, 2017</li> </ol>
11	Dr. Preeti Sethi	<ol style="list-style-type: none"> <li>1. Promila Ahuja, Preeti Sethi, Dimple Juneja, Saurabh Mukherjee , " Task Allocation Strategy for Multi Agent : A Review " Journal of Network Communications and Engineering Technology (JNCET), Vol1, Issue 7, January (2017)</li> </ol>

**PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES**

S. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1	Dr. Naresh Chauhan	<ol style="list-style-type: none"> <li>1. Priyanka, Harish Kumar &amp; Naresh Chauhan, "A novel approach for selecting an effective regression testing technique", IEEE 3rd International Conference on Computing for Sustainable Global Development, Oct, 2016.</li> <li>2. Amita Arora, Manjeet Singh, Naresh Chauhan, " Document Summarization Techniques : A Review", Recent Trends in Computing and Communication technologies(RCCT-2016), DCRUST, September 29-30, 2016.</li> </ol>



2	Dr. Komal Kumar Bhatia	<ol style="list-style-type: none"> <li>1. Sonali Gupta, Komal Kumar Bhatia: "URL Based Relevance-Ranking Approach to Facilitate Domain-Specific Crawling and Searching" In 3rd International Conference on Recent Developments in Science, Engineering and Technology (REDSET 2016) 21-22 October 2016, Proceedings by Springer</li> <li>2. Sushil Kumar, Komal Kumar Bhatia,"Extractive Text Summerization Using Regression Model" in National Conference on Role of Science and Technology Towards 'Make in India', March 05-07,2016 at YMCAUST, Faridabad.</li> <li>3. Sushil Kumar, Komal Kumar Bhatia,"A Novel Approach for Novelty Detection via Topic Modeling" in National Conference on Advances in Mathematics &amp; Computing, May 01-02,2017 at YMCAUST, Faridabad.</li> </ol>
3	Dr. Atul Mishra	<ol style="list-style-type: none"> <li>1. Shikha Gupta, Dr. Atul Mishra, "Big Data: Various Issues and Challenges", SDREM-16, International Conference held at YMCAUST, Faridabad on Dec 26-27, 2016.</li> </ol>
4	Dr. Jyoti	<ol style="list-style-type: none"> <li>1. Jyoti, Jyotsana Parmar, "Semantic Web Prefetching using Semantic Relatedness between webpages" in the Proc. of Seventh International Conference on Advances in Computing, Control, and Telecommunication Technologies – August 2016. (publication in DBLP, Scopus etc)</li> <li>2. Jyoti, Jyotsana Parmar, "State-of-the-art Survey on various Web Prefetching techniques", in the Proc. of International Conference on Inventive Computation Technologies (ICICT) – August 2016.( IEEE digital explore, scopus etc)</li> <li>3. Jyoti, Seema Yadav, "Survey on sentiment analysis and opinion mining", in the proc. of International Conference on Advances in Information Communication Technology &amp; Computing" (August-2016) (proc. on ACM)</li> </ol>
5	Dr. Harish Kumar	<ol style="list-style-type: none"> <li>1. Priyanka, Harish Kumar &amp; Naresh Chauhan, "A novel approach for selecting an effective regression testing technique", IEEE 3<sup>rd</sup> International Conference on Computing for Sustainable Global Development, Oct, 2016.</li> </ol>
6	Dr. Parul Tomar	<ol style="list-style-type: none"> <li>1. Gyanendra Kumar, Parul Tomar, "A Novel Longest distance, First Page Replacement Algorithm", 3rd International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2016, October 21-22, 2016</li> <li>2. Parul Tomar, Neelam Duhan,"Parallel Frequent Itemset Mining using A-priori and Interval Intersection","International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16),Dec. 26-27, 2016.</li> <li>3. Parul Tomar, Neha, "Importance of Resource Reservation and Efficient Routing in Adhoc Network: A Review", National Conference on New Horizons in Technology for Sustainable Energy and Environment, (NHTSEE-2017), March 9-10, 2017</li> </ol>



		<ol style="list-style-type: none"> <li>4. Parul Tomar, Neha Gupta, "Design of Efficient Routing Protocol using Power Awareness in Adhoc Network", National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , May 1-2, 2017.</li> <li>5. Parul Tomar, Monika Jatiwal, "Detection of Misbehaving Nodes in Ad-hoc Routing", National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , May 1-2, 2017.</li> <li>6. Bindiya Ahuja, M.K. Soni, Parul Tomar, "Vulnerability Analysis of Trust Propagation and Management in Mobile Ad-hoc Networks", National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , May 1-2, 2017.</li> </ol>
6	Dr. Neelam Duhan	<ol style="list-style-type: none"> <li>1. Meenakshi Chaudhary, Neelam Duhan, Tushar Atreja, "Ontological Extension to Multilevel Indexing". In proceedings of third International conference on recent developments in Science, Engineering &amp; Technology (REDSET 2016), GD Goenka University, Gurgaon, India, Oct. 21-22, 2016.</li> <li>2. Mamta Kathuria, Payal, C. K. Nagpal, Neelam Duhan, "Semantic similarity between terms for query suggestion". 5th International Conference on reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO) Sept 2016, Pages: 245 – 250.</li> <li>3. Neelam Duhan, Parul Tomar, "Parallel Frequent Itemset Mining using A-priori and Interval Intersection", International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16), Dec. 26-27, 2016.</li> <li>4. Laxmi Yadav, Neelam Duhan, "Review of persistent Architecture for optimizing Web service for E-Government". National Conference on New Horizons in Technology for Sustainable Energy and Environment, (NHTSEE-2017), 9-10 March 2017.</li> <li>5. Sadia Parveen, Neelam Duhan, "A Survey and Comparison of Frequent Itemset Mining Algorithms". National Conference on New Horizons in Technology for Sustainable Energy and Environment, (NHTSEE-2017), 9-10 March 2017.</li> <li>6. Pooja Lathwal, Neelam Duhan, "Recent Trends in Privacy Preserving Data Mining Techniques". National Conference on New Horizons in Technology for Sustainable Energy and Environment, (NHTSEE-2017), 9-10 March 2017.</li> <li>7. Divya, Neelam Duhan, "Comparison Study of Sentiment Analysis Approches". National Conference on New Horizons in Technology for Sustainable Energy and Environment, (NHTSEE-2017), 9-10 March 2017.</li> </ol>



		<p>8. Sadia Parveen, Neelam Duhan, “Parallel Frequent Itemset Incremental Mining using Bit Vector Approach”. National Conference on Advances in Mathematics &amp; Computing (AMC-2017), 1-2 May 2017.</p> <p>9. Neelam Duhan, Divya Kaushik, “Opinion Mining with Spam Detection using Ontology”. National Conference on Advances in Mathematics &amp; Computing (AMC-2017), 1-2 May 2017.</p> <p>10. Divya Kaushik, Neelam Duhan, “Email Spam Detection using n-gram and Collaborative Filtering”. National Conference on Advances in Mathematics &amp; Computing (AMC-2017), 1-2 May 2017.</p>
7	Dr. Sapna Gambhir	1. Parul and Sapna Gambhir, “OE-LEACH: An Optimized Energy Efficient LEACH Algorithm for WSNs” Proceedings of the 2016 Ninth International Conference on Contemporary Computing (IC3), pp 1-6, 11-13 August 2016.
8	Dr. Parul Gupta	<p>1. Review of Event Extraction Techniques in Twitter” in SDERM held at YMCAUST in Dec 26-27, 2016.</p> <p>2. Study of Event Extraction from Twitter” in RSTTMI held at YMCAUST in March 5-7, 2016</p>
9	Ms. Shruti Sharma	1. Genetic Algorithm : A Review” in National Conference on New Horizons in Technology for Sustainable Energy and Environment, held at YMCAUST, 2017
10	Dr. Anuradha Pillai	<p>1. Anuradha Pillai “Major Challenges in Intelligent social Network Database” National Conference on New Horizon in Technology for Sustainable Energy and Environment, 9-10<sup>th</sup> March 2017.</p> <p>2. Anuradha Pillai “Study of Clustering Techniques in Mobile Adhoc Networks” National Conference on New Horizon in Technology for Sustainable Energy and Environment, 9-10<sup>th</sup> March 2017.</p> <p>3. Anuradha Pillai “Finding Maximum Clique” National Conference on New Horizon in Technology for Sustainable Energy and Environment, 9-10<sup>th</sup> March 2017.</p> <p>4. Anuradha Pillai “Review of Web Entity Extraction Techniques” National Conference on New Horizon in Technology for Sustainable Energy and Environment, 9-10<sup>th</sup> March 2017.</p> <p>5. Anuradha Pillai, Deepa Shekhawat,” Implementation of mining tweets using sentiment Analysis”, National Conference on Advances in Mathematics &amp; Computing AMC -2017, 1-2 May 2017</p>
11	Ms. Ashlesha Gupta	1. Aarif, Deepika Punj and Ashlesha Gupta “Document Clustering Techniques-A Review” presented in



		National Conference on ADVANCES in MATHEMATICS & COMPUTING (AMC- 2017) on 1 <sup>st</sup> -2 <sup>nd</sup> May 2017 at YMCA UST Faridabad.
12	Ms. Shikha Gupta	1. Shikha Gupta, Dr. Atul Mishra, “Big Data: Various Issues and Challenges”, SDREM-16, International Conference held at YMCAUST, Faridabad on Dec 26-27, 2016.

### WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

S. No.	Name of Activity	Title	Dates
1	FDP in collaboration with SPSS South Asia	Big Data Analytics, Data/Text Mining using SPSS	19-12-2016 to 24-12-2016
2	HSCST sponsored workshop	IPR and Patents	18-01-2017
3	National conference	Advances in Mathematics' & Computing -2017( AMC-2017)	01-05-2017 to 02-05- 2017.
4	National seminar	Technology: A step towards implementation of Ideas	09-05-2017

### STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED (01-07-2016 to 30-06-2017)

S.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
1	Dr. Ashutosh Dixit	Big data Analytics & Data/Text mining using SPSS.	YMCA UST, Faridabad	19-12-2016	24-12-2016
2	Dr. Jyoti	Big data Analytics & Data/Text mining using SPSS.	YMCA UST, Faridabad	19-12-2016	24-12-2016
		“Environment Development and sustainability”	YMCAUST	04-07-2016	08-07-2016
3	Dr. Harish Kumar	Big data Analytics & Data/Text mining using SPSS.	YMCA UST, Faridabad	19-12-2016	24-12-2016
4	Dr. Parul Tomar	“Environment Development and sustainability”	YMCAUST	04-07-2016	08-07-2016



		Big Data Analytics, Data/Text Mining using SPSS	YMCAUST	19-12-2016	24-12-2016
		IPR and Patents	YMCAUST	.....	18-01-2017
		Women Health Awareness and Depression	YMCAUST	....	07-04-2017
		New Education Policy: Expectation & Challenges	YMCAUST	....	29-04-2017
		Technology – A step towards implementation of ideas	YMCAUST	....	09-05-2017
5	Dr. Neelam Duhan	FDP on “Environment Development and sustainability”	YMCAUST	04-07-2016	08-07-2016
		FDP on Big Data Analytics, Data/Text Mining using SPSS	YMCAUST	19-12-2016	24-12-2016
		Workshop on IPR and Patents	YMCAUST	.....	18-01-2017
		Workshop on Women Health Awareness and Depression	YMCAUST	....	07-04-2017
		Workshop on New Education Policy: Expectation & Challenges	YMCAUST	....	29-04-2017
		Technology – A step towards implementation of ideas	YMCAUST	....	09.-05-2017
6	Dr. Sapna Gambhir	Environment, Development and Sustainability	YMCA UST	04-07-2016	8-07-2016
		Big data Analytics & Data/text mining using SPS	YMCA UST	19-12-2016	24-12-2016



		Patents & IPR	YMCA UST	18-01- 2016	18-01-2016
7	Dr. Parul Gupta	“Environment Development and sustainability”	YMCAUST	04-07-2016	8-07-2016
		Big Data Analytics, Data/Text Mining using SPSS	YMCAUST	19-12-2016	24-12-2016
8	Ms. Shruti Sharma	“Environment Development and sustainability”	YMCAUST	04-07-2016	8-07-2016
		Big Data Analytics, Data/Text Mining using SPSS	YMCAUST	19-12-2016	24-12-2016
9	Dr. Anuradha	Environment, Development and Sustainability	NITTTR	04-07-2016	8-07-2016
		Big Data Analytics & Data/Text Mining using SPSS	YMCAS	19-12-2016	24-12-2016
10	Dr. Preeti Sethi	Environment Development and sustainability	YMCAUST	04-07-2016	8-07-2016
		Big Data Analytics, Data/Text Mining using SPSS	YMCAUST	19-12-2016	24-12-2016
11	Ashlesha Gupta	Big Data Analytics and Text Mining Using SPS	YMCAUST	19-12-2016	24-12-2016

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

S. 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
3	Dr. Sapna Gambhir	Member, ISTE

**GATE/CAT/ OTHER EXAM QUALIFIED STUDENTS 2016-2017**

S. No.	Name of Exam	Year	Count of Qualified Students
1	GATE	2016	7



**INFORMATION TECHNOLOGY & COMPUTER APPLICATIONS**



## DEPARTMENT OF INFORMATION TECHNOLOGY & COMPUTER APPLICATIONS

The department of IT & CA 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

<b>UG Course:</b>	B. Tech. (Information Technology)
<b>PG Course:</b>	MCA
	M. Tech. (Information Technology)
<b>Ph.D. :</b>	Information Technology
<b>Target Students:</b>	
<b>Total Number of Faculty:</b>	15 ( 1 Professor + 14 Assistant Prof.)
<b>Number of Ph.D.'s:</b>	06
<b>Average Experience of faculty:</b>	10 years. (approx.)
<b>Chairperson:</b>	<b>Dr. Atul Mishra</b>

### DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	9
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 Robotics Lab



## FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification with year	Area of Specialization	Total Experience (years)
1	Dr. Atul Mishra	Chairperson	Ph.D. (2012)	Object Oriented Designs, Distributed Systems, Cloud Computing, Big Data, Network Management	25
2	Dr. Manjeet Singh	Professor	Ph.D. (2008)	NLP, Soft Comp., AI, Comp.Net	16
3	Ms. Shilpa Sethi	Assistant Professor	M.Tech (2009)	Information Retrieval	12
4	Ms. Poonam	Assistant Professor	M.Tech (2007)	Mobile Adhoc Network, Operating system, Algorithm design	10
5	Ms. Mamta Kathuria	Assistant Professor	M.Tech (2008)	Fuzzy and Web Mining	10
6	Dr. Deepika	Assistant Professor	Ph.D. (CE)	Internet and Web Technologies	12
7	Dr. Manvi	Assistant Professor	Ph.D.(2017)	Information Reterival	11
8	Dr. Payal Gulati	Assistant Professor	Ph.D. (2013)	Information Retreival, Web Mining	10
9	Ms. Amita Arora	Assistant Professor	M.Tech.(2008)	Ontology Learning, Natural language Processing	9
10	Dr. Rashmi Popli	Assistant Professor	Ph.D. (2016)	Software Testing, Computer Security, Agile Software development	12
11	Sh. Vedpal	Assistant Professor	M.tech. (2012)	Object Technology, Software Testing	8.5
12	Dr. Sonali Gupta	Assistant Professor	Ph.D. (2016)	Information Retrieval , Web Mining	14
13	Sh. Sushil Kumar	Assistant Professor	M.E(2007)	Information Reterival	14
14	Sh. Umesh Kumar	Assistant Professor	M.Tech (2010)	Wireless Security	5.5 (Teaching) 1.5 (Industry)



15	Ms. Ayyu Gupta	Assistant Professor	M.Tech (2015)	Information Reterival	1
16	Ms. Jyotsna Parmar	Assistant Professor	Mtech(2016)	Information Retrieval	1.5

### DEPARTMENTAL PUBLICATIONS & FDP/STC

Sr. No.	Particular	Count
1.	Publications in International Journals	15
2.	Publications in National Journals	0
3.	Publications in International Conferences	11
4.	Publications in National conferences	15
5.	STC/FDP	22

### PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

Sr. No.	Name of Faculty	Title, Journal, Vol, Issue, Pages, Year
1	Dr. Manjeet Singh	<p>1. Poonam Chahal, Manjeet Singh, Suresh Kumar, "Web Documents Semantic Similarity by extending Document Ontology Using Current Trends" International Journal of Web Science Inderscience, ISSN online: 1757-8809 ISSN print: 1757-8795, Forthcoming Article, INDEXED DBLP, ACM. (Accepted in Nov 2016)</p> <p>2. Arora Amita, Singh Manjeet, Chouhan Naresh, "Automatic ontology Construction using Conceptualization and Semantic Roles", International Journal of Information Retrieval Research, IGI Global, ISSN: 2155-6377, EISSN: 2155-6385 Vol. 7, Issue 3, Article 4, pp. , Dec 2016. DBLP and ACM Indexed Journal (Accepted in Dec 2016).</p> <p>3. Singh Manjeet, Dahiya Naveen, Bhatnagar Vishal, "Efficient Materialized View Selection for Multi-Dimensional Data Cube Models", International Journal of Information Retrieval Research (IJRR) IGI Global, Vol. 6, No. 3, ISSN: print 2155- 6377, EISSN: 2155-6385, pp. 52-75, Sept. 2016. Indexed at ACM and DBLP.</p>



2	Ms. Shilpa Sethi	1. S. Sethi, A. Dixit, “ An adaptive web search system based on web usages mining” International journal of computer engineering and application , Vol 10 , No 1,pp 9-18, ISSN: 2321-3469 (2016)
		2. S. Sethi, A. Dixit, “Query recommendation based on user browsing history” International Journal of Database Theory and Application Vol 9 No. 6 pp 131-144ISSN 2005-4270. (2016)
2	Ms. Poonam	1. Poonam , Ekta Gupta, C.K. Nagpal,“A Novel technique to prevent PUE attack in CRN”, IJCNIS, 2016, vol-12, pp.-44-50.
		2. Poonam , RaviKant, C.K. Nagpal,“A Novel Anti-jamming technique for Cognitive radio Network”, IJGDC, 2016, vol-9(11), pp.-247-260.
		3. Poonam , C.K. Nagpal and Shailender Gupta,“A Novel Anti-jamming technique for Cognitive radio Network”, IJFCM, 2017, vol-2(2), pp.-87-115.
3	Ms. Mamta Kathuria	1. M. Kathuria, C.K. Nagpal, N. Duhan, “A Journey of Web Search Engines: Milestones, Challenges & Innovations”, I.J. Information Technology and Computer Science, MECS Publisher 2016, ISSN: 2074-9015
		2. Mamta Kathuria and Anju Kundu, “Ontology Based Search Engine : An Overview”,International conference on sustainable development through research in Engineering & Management, (SDREM-16), December 26-27,2016
4	Dr. Deepika	1. D. Punj, “The Comparative study of Web Crawlers”, VIRTUE, Jan-July 2017.
		2. D. Punj and A. Dixit, “Design of a Migrating Crawler Based on a Novel URL Scheduling Mechanism using AHP,” <i>International Journal of Rough Sets and Data Analysis</i> , vol. 4, no. 1, pp. 95–110, Jan. 2017.
5	Ms. Amita Arora	4. Amita Arora, Manjeet Singh, & Naresh Chauhan (2017) . Automatic Ontology Construction using Conceptualization and Semantic Roles. <i>International Journal of Information Retrieval Research</i> , Volume 7, Issue 3, Pages (62-80), July-September 2017
		5. Amita Arora, Akanksha Diwedy, Manjeet Singh and Naresh Chauhan ,Machine Learning Approach for Text Summarization "International Journal of Database Theory and Application" with ISSN 2005-4270. (pp. 83-90),2017



6	Dr. Rashmi Popli	1. Ojasvini Dhingra, Rashmi Popli, “Path Navigation using Bluetooth Low Energy-Beacon”, International Journal of Advanced Research in Computer Science, Volume 8, No. 3, March - April 2017
		2. Nisha Jha, Rashmi Popli, “Comparative Analysis of Web Applications using JMeter”, International Journal of Advanced Research in Computer Science, Volume 8, No. 3, March - April 2017(UGC Journal)
		3. Nisha Jha, Rashmi Popli, “Keyword Driven Testing Framework Using Selenium WebDriver”, Automated Software Engineering (An International Journal), Publisher – Springer(Communicated)
7	Sh. Vedpal	1. Vedpal , Harish Kumar , Naresh chauhan “A Fault – Severity based Regression Test Case Prioritization Technique for Object Oriented Software” International Journal of Computer Science Engineering (IJCSE) ISSN : 2319-7323 Vol. 5 No.06 Nov 2016

**PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES**

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1	Ms. Shilpa Sethi	1. S.Sethi , A. Dixit,”An efficient personalised query suggestion technique for providing relevant results”Proceeding of 10 <sup>th</sup> International Conference on computing for sustainable global development INDIACOM 2016 organised by BVICAM (16-18 March, 2016)
2	Ms. Poonam	1. Poonam, Monika, C.K. Nagpal , Vulnerability of Cognitive Radio Network for Objective Function Attack: A Survey of Proposed Solution Proceedings of the 11th INDIACom; INDIACom-2017”, 01st - 03rd March, 2017.
3	Ms. Mamta Kathuria	9. M. Kathuria, Payal, C.K. Nagpal, N. Duhan, “Semantic Similarity between Terms for Query Suggestion”,2016 5th International Conference on Reliability, Infocom Technologies and Optimization(ICRITO), pages 245-250, DOI: 10.1109/ICRITO.2016.7784959, IEEE Conference Publications



		10. Ajay Singh Chauhan, Mamta kathuria, "DATA MINING TECHNIQUES IN AGRICULTURE: A SURVEY PAPER", The National Conference on New Horizon in Technology for Sustainable Energy and Environment, YMCA University of Science & Technology, Faridabad, March 2017.
4	Dr. Deepika	<p>1. D. Punj and A. Dixit, "Document structure based Crawling for Migrating Crawler", presented in National Conference on Networking, Cloud Computing, Analytics and Computing Technology (NCNCAC-2017) at Manav Rachna International University, Faridabad on 26-27th May, 2017</p> <p>2. D. Punj, Aarif and A. Gupta, "Document Clustering Techniques-A Review", presented in National Conference in ADVANCES in MATHEMATICS &amp; COMPUTING (AMC-2017) at YMCAUST on 1st -2nd May 2017.</p> <p>3. D. Punj, Shweta Sirohi and Manvi, "Ontology-based Information Extraction Techniques: An overview", presented in National Conference on ADVANCES in MATHEMATICS &amp; COMPUTING (AMC-2017) at YMCAUST on 1st -2nd May 2017.</p> <p>4. D. Punj and A. Dixit, "Survey on Web Crawlers", presented in National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE 2017) at YMCAUST on 9-10th March 2017.</p>
5	Ms. Amita Arora	<p>1. Amita Arora, Manjeet Singh, Naresh Chauhan, " Document Summarization Techniques : A Review", Recent Trends in Computing and Communication technologies(RCCT-2016), DCRUST, September 29-30, 2016</p> <p>2. Amita Arora, Akanksha Diwedy, Extractive Summarization using Support Vector Machines, National Conference on "Advances in Mathematics &amp; Computing (AMC-2017), 1<sup>st</sup> – 2<sup>nd</sup> May, 2017.</p>
6	Dr. Rashmi Popli	<p>3. Rashmi Popli, Nisha Jha "An Analysis of Regression Testing Techniques", International Conference on Sustainable Development through Research in Engineering and Management (SDREM 2016), December 26 -27, 2016.</p> <p>4. Rashmi Popli, Nisha Jha "Test Case Optimization Using Genetic Algorithm", International Conference on Quality, Productivity, Reliability, Optimization and Modeling (ICQPROM 2017), January 5-7, 2017 (IEEE).</p> <p>5. Nisha Jha, Rashmi Popli, "Performance Testing in Cloud Environment", National Conference on Networking, Cloud Computing, Analytics and Computing Technology", May 26-27, 2017 (Indexed In: SCOPUS(Elsevier), ACM Digital Library, Compendex (Elsevier Engineering Index), DBLP).</p>



		5. Ojasvini Dhingra, Rashmi Popli, “Click Prediction Using Machine Learning”, National Conference on Networking, Cloud Computing, Analytics and Computing Technology”, May 26-27, 2017.
7	Dr. Sonali Gupta	<p>1) Sonali Gupta, Komal Kumar Bhatia: “URL Based Relevance-Ranking Approach to Facilitate Domain-Specific Crawling and Searching” In 3rd International Conference on Recent Developments in Science, Engineering and Technology (REDSET 2016) 21-22 October 2016, Proceedings by Springer</p> <p>2) Sneha, Sonali Gupta ; “ Extreme Learning machines: A review” in International Conference on Sustainable Development through Research in Engineering and Management, SDREM, 26-27 December 2016, YMCAUST, Faridabad.</p> <p>3) Anjali, Sonali Gupta; “Extraction of Local Events from the Web: A review” in International Conference on Sustainable Development through Research in Engineering and Management, SDREM, 26-27 December 2016, YMCAUST, Faridabad.</p> <p>4) Sneha, Sonali Gupta ; “ Duplicate Document Detection: A review” in National Conference on New Horizons in Technology for Sustainable Energy and Environment, NHTSEE-2017, March 9-10, 2017, YMCAUST, Faridabad.</p> <p>5) Anjali, Sonali Gupta; “Overview of Open Domain Event Extraction from Twitter” in National Conference on New Horizons in Technology for Sustainable Energy and Environment, NHTSEE-2017, March 9-10, 2017, YMCAUST, Faridabad.</p> <p>6) Sneha, Sonali Gupta ; “Duplicate Document Detection Algorithm ” in National Conference on “ADVANCES in MATHEMATICS &amp; COMPUTING (AMC-2017), 1-2 May 2017, YMCAUST, Faridabad.</p> <p>7) Sneha, Sonali Gupta ; “Duplicate Document Detection Using Eigen Value based N-Gram” in National Conference on “ADVANCES in MATHEMATICS &amp; COMPUTING (AMC-2017), 1-2 May 2017, YMCAUST, Faridabad.</p> <p>8) Anjali, Sonali Gupta; “Content Extraction from Social Media” in National Conference on “ADVANCES in MATHEMATICS &amp; COMPUTING (AMC-2017), 1-2 May 2017, YMCAUST, Faridabad.</p> <p>9) Sneha, Sonali Gupta ; “ Duplicate Document Detection: A review” in National Conference on New Horizons in Technology for Sustainable Energy and Environment, NHTSEE-2017, March 9-10, 2017, YMCAUST, Faridabad.</p>
.8	Sh. Sushil Kumar	2. Sushil Kumar, Komal Kumar Bhatia, ”Extractive Text Summerization Using Regression Model” in National Conference on Role of Science and Technology Towards ‘Make in India’, March 05-07,2016 at YMCAUST, Faridabad.



		3. Sushil Kumar, Komal Kumar Bhatia, "A Novel Approach for Novelty Detection via Topic Modeling" in National Conference on Advances in Mathematics & Computing, May 01-02, 2017 at YMCAUST, Faridabad.
9	Sh.Umesh	1. U. Kumar and S. Gambhir, "A novel approach for key distribution through fingerprint based authentication using mobile agent," <i>2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)</i> , New Delhi, 2016, pp. 3441-3445.

### WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

Sr. No.	Name of Activity	Title	Dates
1	FDP	Big Data Analytics & Data/Text Mining using SPSS	19-12-2016 to 24-12-2016

### STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED

S.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
1	Dr. Manjeet Singh	FDP on Big Data Analytics & Data/Text Mining using SPSS	YMCAUST & SPSS	19-12-2016	24-12-2016
2	Ms. Shilpa Sethi	FDP on Big Data Analytics & Data/Text Mining using SPSS	YMCAUST & SPSS	19-12-2016	24-12-2016
3	Ms. Mamta Kathuria	Big Dats Analytics and Data/Text Mining using SPSS	YMCAUST	19-12-2016	24-12-2016
4	Dr. Deepika	FDP on Big Data Analytics & Data/Text Mining using SPSS	YMCAUST & SPSS	19-12-2016	24-12-2016
5	Dr. Payal Gulati	FDP on Big Data Analytics & Data/Text Mining using SPSS	YMCAUST & SPSS	19-12-2016	24-12-2016
6	Ms. Amita Arora	FDP on Big Data Analytics & Data/Text Mining using SPSS	YMCAUST & SPSS	19-12-2016	24-12-2016
		STC on Environment, Development and Sustainability	NITTTR	04-07-2016	08-07-2016



		Workshop on Digital Enterprise Solutions & Telecom Convergence	TCS	09-01-16	09-01-2016
6	Dr. Rashmi Popli	AICTE Approved Short Term course on “Environment, Development and Sustainability”		04-07-2016	08-07-2016
		FDP on “Big data Analytics and Data/Text Mining using SPSS”	YMCAUST & SPSS	19-12-16	24-12-2016
		Workshop on "Women Health Awareness and Depression"	YMCAUST	07-04-2017	
		An Integrated Approach to Research Quality and Ethics	YMCAUST	20-01-2017	....
7	Sh. Vedpal	Big data analytics & data/Text mining using SPSS	YMCAUST, FARIDABAD	19-12-2016	24-12-2016
		Environment , development and Sustainability	NITTTR Chandigarh (Through ICT) at YMCAUST	04-07-2016	08-07-2016
8	Dr. Sonali Gupta	Big data Analytics and Data/Text Mining	Computer Engg. Deptt YMCAUST in association with SPSS South Asia	19-12- 2016	24-12-2016
		An Integrated Approach to Research Quality and Ethics	Department of Humanities and Sciences	20-01-2017	....
		Search and Use of e-resources in a better way	University Library, YMCAUST	05-05-2017	....
		Women Health Awareness and Depression	Deptt of Electronics Engg in collaboration with Rotary Club Faridabad-Sanskar	07-04-2017	....
		National Technology Day 2017	Department of Computer Engineering	09-05-2017.	....



9	Sh. Sushil Kumar	Big data analytics & data/Text mining using SPSS	YMCAUST, FARIDABAD	19-12-2016	24-12-2016
		Environment , development and Sustainability	NITTTR Chandigarh (Through ICT) at YMCAUST	04-07-2016	08-07-2016
10	Sh. Umesh Kumar	Big data analytics & data/Text mining using SPSS	YMCAUST, FARIDABAD	19-12-2016	24-12-2016
		Environment , development and Sustainability	NITTTR Chandigarh (Through ICT) at YMCAUST	04-07-2016	08-07-2016

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

Sr. No.	Name of Faculty	Details
1	Dr. Rashmi Popli	Member, ISTE
2	Ms. Amita Arora	Life Member, ISTE
3	Sh. Vedpal	Editorial Team, Journal of computer science and software testing

**LIST OF PH.D. COMPLETED**

Sr. No.	Name of Faculty	Topic	Awarding Year	Institution
1	Dr. Manvi	Ontology Based IR System for Hidden Web	2017	YMCAUST



# **HUMANITIES AND SCIENCES**



## DEPARTMENT OF HUMANITIES AND SCIENCES

The Department of Humanities and Sciences (HAS) is a multidisciplinary department with excellent academic and research profile which also supports various departments in taking subjects of Humanities & Sciences. The department intends to create well-rounded individuals ready to comprehend scientific and technical challenges offered in the area of specialization.

### DEPARTMENT PROFILE

<b>UG Course:</b>	All Branches
<b>PG Course:</b>	M.Sc. (Mathematics, Physics, Chemistry, EVS) MA(JMC)
<b>Ph.D.:</b>	Mathematics, Physics, Chemistry, EVS, English
<b>Target Students:</b>	480
<b>Total Number of Faculty</b>	13 Assistant Prof.
<b>Number of Ph.D.'s:</b>	8
<b>Average Experience of faculty:</b>	11 years (approx)
<b>Chairperson:</b>	<b>Prof. Raj Kumar</b>

### DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	05 (B.Tech Physics), M.Sc. (Physics), M.Sc. (Mathematics)), MSc. (Chemistry), MSc.(EVS)
2	Workshops	Nil
3	Lecture Halls	01
4	Conference Room	Nil
5	Seminar Halls/Projector Rooms/Research Lab	01
6	Internet Connection	Yes (at every terminal)



## FACULTY PROFILE

S. No.	Name	Designation	Qualification	Area of Specialization	Total Experience (years)
1	Prof. Rajkumar	Dean & Chairman	PhD	Energy, Thermal, Ref. & A/c	23
2	Dr. Anuradha Sharma	Assistant Professor(SS)	PhD (Physics)	Microwaves, Fiber Optics	13
3	Dr. Neetu Gupta	Assistant Professor(SS)	PhD (Mathematics)	Operations Research	13
4	Dr. Divyajyoti	Assistant Professor(SS)	PhD (English)	Literature	13
5	Dr. Sonia	Assistant Professor(SS)	PhD(physics)	Nanotechnology, Spectroscopy	14
6	Ms. Jyoti	Assistant Professor(SS)	Pursuing PhD (Mathematics)	Operations Research	9
7	Dr. Maneesha Garg	Assistant Professor	Ph.D (Physics)	Experimental Physics	10
8	Dr. Reena Garg	Assistant Professor	Ph.D (Mathematics)	Mathematics	13 years 9 months
9	Dr. M. K. Yadav	Assistant Professor	Ph.D (Physics)	Plasma, Electronics	8
10	Dr. Renuka Gupta	Assistant Professor	PhD (Environmental Science)	Environmental Pollution Management	7
11	Bindu Mangla	Asstt Prof	M Tech	Atmospheric Sciences	10
12	Nisha Singh	Assistant Professor	M.Sc(Hons)	Pure Mathematics	5
13	Dr. Praveen Goyal	Assistant Professor	Ph.D (Physics)	Physics	3
14	Dr. Seeta Ram	Assistant Professor	Ph.D (Chemistry)	Chemistry	1



## DEPARTMENTAL PUBLICATIONS &amp; FDP/STC

Sr. No.	Particular	Count
1	Publications in International Journals	10
2	Publications in National Journals	-
3	Publications in International Conferences	16
4	Publications in National conferences	9
5	STC/FDP	28

## PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

Sr. No.	Name of Faculty	Title, Journal, Vol, Issue, Pages, Year
1	Dr. Anuradha Sharma	<ol style="list-style-type: none"> <li>1. Studies on In-Doped ZnO Transparent Conducting thin Films Harishankar Kaushik, Anuradha Sharma, Mamta Sharma A K Tiwari International Journal of Research in Engineering and Science (IJRES) ISSN (Online): 2320- 9364, ISSN (Print): 2320-9356 www.ijres.org Volume 5 Issue 6   June. 2017   PP. 74- 76</li> <li>2. Dielectric and relaxation processes in PEG based polymeric networks Harishankar Kaushik, Anuradha Sharma, Mamta Sharma A K Tiwari Journal of Applied Physics (IOSR-JAP) e-ISSN: 2278-487X, p-ISSN: 2319- 7668. Volume 19, Issue 5. Ver.IV. (May. 2017) DOI: 10.9790/487X-19050</li> <li>3. Effect of Ce doping on the structural, optical and magnetic properties of ZnO nanoparticles Dharendra Kumar Sharma, Anuradha Sharma, Kapil Kumar Sharma, Vipin Kumar Journal of Material Science: Materials in Electronics DOI 10.1007/s10854-016- 5117 Springer Science Business Media New York 2016</li> </ol>
2	Dr. Divya Jyoti	<ol style="list-style-type: none"> <li>1. Towards identifying and ranking selected types of violence against women in North India, International Journal of Comparative and Applied Criminal Justice, Volume, 41, 2017, issue1-2.</li> </ol>
3	Dr. Neetu Gupta	<ol style="list-style-type: none"> <li>1. Manish Jain, Neetu Gupta and Sanjay Kumar, ERRATUM: COUPLED FIXED POINT RESULTS FOR WEAKLY RELATED MAPPINGS IN PARTIALLY ORDERED METRIC SPACES, Bull. Iranian Math. Soc. Vol. 42 (2016), No. 1, pp. 49–52.</li> <li>2. Manish Jain, Neetu Gupta, Sanjay Kumar, A Note on “Common Coupled Fixed Point Results for Probabilistic <math>\phi</math> - Contractions in Menger PGM-Spaces”, Commun. Nonlinear Anal. 2 (2016), 84–85.</li> <li>3. Manish Jain, Neetu Gupta, Sanjay Kumar, A DISCUSSION ON SOME RECENT COUPLED FIXED POINT RESULTS VIA NEW GENERALIZED NONLINEAR CONTRACTIVE CONDITIONS, TWMS J. App. Eng. Math. V.7, N.1, 2017, pp. 110-130</li> </ol>



4	Dr. Sonia Bansal	1. Application of a Fiber Optic Probe for Blood Oxygenation Measurement Using Near Infrared , Journal of Lasers, Optics & Photonics Journal of Lasers, Optics & Photonics ISSN: 2469-410X Chacko and Bansal, J Laser Opt Photonics 2016, 3:2 DOI: 10.4172/2469-410X.1000139
5	Dr. Maneesha Garg	1. Pranshul Sardana, Manisha Garg, Rashmi Chawla and Shailender Gupta, Enhancement of Photocurrent in Organic Solar Cell with Novel Narrow Gap Polymer. Proceedings of the 11 <sup>th</sup> INDIACom; INDIACom-2017; IEEE Conference ID: 40353, 01 <sup>st</sup> - 03 <sup>rd</sup> March, 2017
6	Ms. Bindu Mangla	1. Mangla, B., Sharma, D. K., Rajput, A., Ion density variation at upper ionosphere during thunderstorm, Advances in Space Research, Vol. 59, pp: 1189-1199. 2017.

#### PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1	Dr. Anuradha Sharma	1. Enhanced photoluminescence emission from Ce: ZnO nanoparticles prepared by a chemical precipitation method International Conference on Frontiers of Science and Technology(ICFST-17), January 06-07, 2017 ISBN NO. 9385329235, 978938532923
2	Dr. Neetu Gupta	<ol style="list-style-type: none"> <li>1. Upasana, Neetu Gupta, Yogesh Goyal, “ Reliability improvement estimation of air conditioner controller using fuzzy logic”, Presented in the National Conference on Role of Science and Technology Towards ‘Make in India’ , 5<sup>th</sup> to 7<sup>th</sup> March 2016 held at YMCA UST Faridabad.</li> <li>2. Swati Miglani, Neetu Gupta, “Queuing theory and simulation model to optimize the waiting time of patient”, Presented in the National Conference on Role of Science and Technology Towards ‘Make in India’ , 5<sup>th</sup> to 7<sup>th</sup> March 2016 held at YMCA UST Faridabad.</li> <li>3. Manish Jain, Neetu Gupta, Sanjay Kumar, “Improvement Of Some Recent Coupled Coincidence Point Results Under Nonlinear Contractions.”Proceedings of National Conference on Role of Science and Technology Towards ‘Make in India’ , 5<sup>th</sup> to 7<sup>th</sup> March 2016 held at YMCA UST Faridabad</li> <li>4. Neetu Gupta, “Applications of Queuing Science in health Care”, Presented in the National Conference on Role of Science and Technology Towards ‘Make in India’ , 5<sup>th</sup> to 7<sup>th</sup> March 2016 held at YMCA UST Faridabad</li> <li>5. Neetu Gupta, “Optimal Solution of Transportation Problem”, Presented in the National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , 1<sup>st</sup> to 2<sup>nd</sup> May, 2017 held at YMCA</li> </ol>



Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
		<p>UST Faridabad</p> <ol style="list-style-type: none"> <li>6. Neetu Gupta, “Study and Review of EOQ Modal in VMI”, Presented in the National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , 1<sup>st</sup> to 2<sup>nd</sup> May, 2017 held at YMCA UST Faridabad</li> <li>7. Neetu Gupta, “Vendor Managed Inventory-Cost Analysis”, Presented in the National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , 1<sup>st</sup> to 2<sup>nd</sup> May, 2017 held at YMCA UST Faridabad</li> <li>8. Neetu Gupta, “Application of Multi-Channel System in queuing theory”, Presented in the National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , 1<sup>st</sup> to 2<sup>nd</sup> May, 2017 held at YMCA UST Faridabad</li> <li>9. Neetu Gupta, “MATLAB for Availability analysis of a Complex Box Manufacturing System”, Presented in the National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , 1<sup>st</sup> to 2<sup>nd</sup> May, 2017 held at YMCA UST Faridabad</li> <li>10. Neetu Gupta, “Coupled fixed point theorem for Epsilon and Delta type contraction in ordered G-metric spaces”, Presented in the National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , 1<sup>st</sup> to 2<sup>nd</sup> May, 2017 held at YMCA UST Faridabad</li> <li>11. Neetu Gupta, A Comparative Study of C++ and MATLAB FOR Availability Analysis of Utensil Formation System presented in the National Conference on “Networking, Cloud Computing, Analytics &amp; Computing Technology (NCNCAC-2017) , 26<sup>th</sup> to 27<sup>th</sup> May, 2017 held at YMCA UST Faridabad</li> <li>12. Neetu Gupta, “”, Presented in the National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , 1<sup>st</sup> to 2<sup>nd</sup> May, 2017 held at YMCA UST Faridabad</li> </ol>
3	Dr. Sonia	<ol style="list-style-type: none"> <li>1. Paper Presented on “Samaj ke liye Takaniki Shiksha’ in International Conference on Idea of Bharat organized by Bhartiya Shikshan Mandal and IGNOU, Delhi from 23<sup>rd</sup> -25<sup>th</sup> Feb. 2017.</li> <li>2. Paper Presented on “Adhyathm aur Vigyan’ in International Conference on Idea of Bharat organized by Bhartiya Shikshan Mandal and IGNOU, Delhi from 23<sup>rd</sup> -25<sup>th</sup> Feb. 2017.</li> <li>3. Paper presented on “ Design and Analysis of Graphene based tetrahertz band Nano antenna in 2<sup>nd</sup> International Nanotechnology Conference &amp; Expo held during 3<sup>rd</sup> -5<sup>th</sup> April 2017 at Dubai, UAE.</li> <li>4. Presented a paper on Tool for Sustainable Development: Physics the two-day International Conference on ‘Sustainable Development through Research in Engineering and Management’ (SDREM 2016) organized by YMCAUST,</li> </ol>



Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
		<p>Faridabad in association with International Society for Productive Enhancement, USA from 26<sup>th</sup> -27<sup>th</sup> Dec. 2016.</p> <p>5. Presented a paper on Omni-directional Reflection Band in Multilayered Na<sub>3</sub>AlF<sub>6</sub>-Ge One Dimensional Photonic Crystal Structure in International Conference on ‘Sustainable Development through Research in Engineering and Management’ (SDREM 2016) organized by YMCAUST, Faridabad in association with International Society for Productive Enhancement, USA from 26<sup>th</sup> -27<sup>th</sup> Dec. 2016.</p> <p>6. Presented a paper in International Conference on Materials Research and Technology (ICMRT-2017) July 10-11 , 2017. Aggarwal College Ballabgarh</p>
4.	Ms. Jyoti	<p>1. “A review of VMI: Vendor Managed Inventory”, Presented in the National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , 1<sup>st</sup> to 2<sup>nd</sup> May, 2017 held at YMCA UST Faridabad</p> <p>2. “An insight into Vendor Manged Inventory”, Presented in the National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , 1<sup>st</sup> to 2<sup>nd</sup> May, 2017 held at YMCA UST Faridabad</p> <p>3. Neetu Gupta, “Study and Review of EOQ Modal in VMI”, Presented in the National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , 1<sup>st</sup> to 2<sup>nd</sup> May, 2017 held at YMCA UST Faridabad</p> <p>4. Neetu Gupta, “Vendor Managed Inventory-Cost Analysis”, Presented in the National Conference on Advances in Mathematics &amp; Computing (AMC-2017) , 1<sup>st</sup> to 2<sup>nd</sup> May, 2017 held at YMCA UST Faridabad</p>
5	Dr. Maneesha Garg	<p>1. Pranshul Sardana, Manisha Garg, Rashmi Chawla and Shailender Gupta, Enhancement of Photocurrent in Organic Solar Cell with Novel Narrow Gap Polymer. Proceedings of the 11<sup>th</sup> INDIACom; INDIACom-2017; IEEE Conference ID: 40353, 01<sup>st</sup> - 03<sup>rd</sup> March, 2017</p>
6	Ms. Bindu Mangla	<p>1. Mangla. B., Diurnal and seasonal variation of total ion density Of topside ionosphere with solar activity, Proceedings of International conference, 3rd URSI Regional Conference on Radio Science 2017, NARL, Tirupati, March 2017</p>



### WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

Sr. No.	Name of Activity	Title	Dates
1	One day workshop	“IPR & Patents”	18 <sup>th</sup> Jan 2017
2	National Conference on Advances in Mathematics & Computing (AMC-2017) by Department of Humanities and Sciences, YMCAUST, Faridabad	Advances in Mathematics & Computing (AMC-2017)	01.05.2017-02.05.2017
3	Seminar organized by Department of Humanities and Sciences, YMCAUST, Faridabad	‘Mathematics and its Applications’	21.03. 2017
4	Expert Lecture organized by Department of Humanities and Sciences, YMCAUST, Faridabad.	Numerical Method	06.03.2017
5	National Science Day	Innovative Electronics for Specially abled persons	28 <sup>th</sup> Feb 2017
6	AICTE approved STC Funded by NITTTR, Chandigarh organized at YMCA University of Science and Technology, Faridabad	Environment, Development and Sustainability	04.07.2016 - 08.07.2016
7	Intrauniversity Student Awareness Programme - Poster and Slogan writing Competition organized at YMCA University of Science and Technology, Faridabad	Interantional Day for the Preservation of the Ozone Layer	16.09. 2016
8	Convener, Seminar organized at YMCA University of Science and Technology, Faridabad	‘Saraswati ki Kahani, Vigyan ki Jubaani’	07.10.2016
9	Seminar organized at YMCA University of Science and Technology, Faridabad	‘An Integrated Approach to Research Quality and Ethics’	20.01. 2017
10	National Conference	‘New Horizons in Technology for Sustainable Energy and Environment’ (NHTSEE-2017)	09.03.2017 – 10.03.2017
11	Debate competition	Vigilance Awareness Week Celebration	3 <sup>rd</sup> Nov. 2016
12	Seminar	Smart Materials and Integrated Circuit	8 <sup>th</sup> Nov. 2016
13	Social Activity	Joy of Giving	3 <sup>rd</sup> -8 <sup>th</sup> Nov. 2016



## STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
1	Dr. Anuradha Sharma	New Trends in Electronics and Communication (NTEC-2015)	Electronics Engineering, YMCAUST, Faridabad	17.8. 2015	21.08. 2015
		Communication Skills NITTTR sponsored ICT based.	YMCAUST	10-01-2016	15-01-2016
		Environment Development and sustainability	YMCAUST	04.07.2016	08.07.2016
2	Dr. Neetu Gupta	FDP on 'Artificial Neural Network	NITTTR sponsored organized by Department of ICT YMCA University of Science and Technology, Faridabad	25.04.2016	29.04.2016
		FDP on 'Environment Development and sustainability	NITTTR sponsored ICT based FDP at YMCAUST, Faridabad	04.07.2016	08.07.2016
		FDP on Recent Advances and Entrepreneurship in Renewable Energy	organized by YMCA University of Science and Technology, Faridabad	22.08.2016	27.08.2016
		National Conference on 'Role of Science and Technology Towards Make in India'	YMCA University of Science and Technology, Faridabad.	3.3.2016	5.3.2016
		National Conference on 'Latest Development in Civil and Environmental Engineering'	Giani Zail Singh Campus, Bathinda	15.10.2015	16.10.2015
		National Conference on 'Recent innovations in Applied Sciences and Humanities'	Rawal College, Faridabad	10.10.2016	
3	Ms. Jyoti Grover	FDP on Recent Advances and Entrepreneurship in Renewable Energy	organized by YMCA University of Science and Technology, Faridabad	22.08.2016	27.08.2016



Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
4	Dr. Sonia	Short Term Course on Cloud Computing through ICT,	recognized by AICTE and Conducted by Computer Science and Engineering department, Aggarwal College, Ballabhgarh, Haryana from	5 <sup>th</sup> Dec. 2016.	9 <sup>th</sup> Dec. 2016.
		FDP on Big data Analytics and Data/text mining using SPSS	Department of Computer Engineering at YMCAUST, Faridabad in association with SPSS South Asia	19 <sup>th</sup> Dec. 2016	24 <sup>th</sup> Dec. 2016
		Seminar on Technology- A Step towards Implementation of Ideas on National Technology Day	Department of Computer Engineering at YMCAUST, Faridabad	9 <sup>th</sup> May 2017	
		Workshop on Search and Use of e-resources in a better way	Library, YMCAUST, Faridabad	5 <sup>th</sup> May 2017	
5	Dr. Maneesha Garg	Research Methodology	YMCA and NITTTR	06.06. 2016	17-06-16
		Recent innovations in Applied Sciences and Humanities NCASH-2015	Rawal College, Faridabad	10-10 2015.	
6	Dr. Reena Garg	Environment Development and Sustainability	YMCAUST	4 <sup>th</sup> July' 16	8 <sup>th</sup> July' 16
		Stochastic Modeling & Optimal Control of Engineering Systems	IIT.Roorkee	22 <sup>nd</sup> May 2017	26 <sup>th</sup> May 2017
7.	Dr. Renuka Gupta	STC on 'Environment, Development and Sustainability'	YMCA University of Science and Technology, Faridabad funded by NITTTR, Chandigarh	4 <sup>th</sup> July, 2016	8 <sup>th</sup> July, 2016
		National Workshop on 'Role of Groundwater in Smart cities and villages'	Jointly organized by MRIU, Faridabad, Indian National Committee of International Association of Hydrogeologists and Municipal Corporation,	17 <sup>th</sup> December, 2016	



Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
			Faridabad		
		FDP on 'Big Data Analytics and Data/Text Mining using SPSS'	Jointly organized by Department of Computer Engg., YMCAUST, Faridabad and SPSS South Asia	19 <sup>th</sup> December, 2017	24 <sup>th</sup> December, 2017
		International Conference on 'Sustainable Development through Research in Engineering and Management' (SDREM-2016)	Department of Electronic Engineering and Department of Management Studies, YMCA University of Science and Technology, Faridabad	26 <sup>th</sup> December, 2017	27 <sup>th</sup> December, 2017
		Seminar on 'An Integrated Approach to Research Quality and Ethics'	Department of Humanities and Sciences YMCA University of Science and Technology, Faridabad	20 <sup>th</sup> January, 2017	
		Workshop on 'Generation of National Database on Uranium in Drinking Water'	Bhabha Atomic Research Centre, Mumbai	8 <sup>th</sup> Feb, 2017	10 <sup>th</sup> Feb, 2017
		National Conference on 'New Horizons in Technology for Sustainable Energy and Environment' (NHTSEE-2017)	Department of Humanities and Sciences and Department of Electrical Engineering, YMCA University of Science and Technology, Faridabad	9 <sup>th</sup> March, 2017	10 <sup>th</sup> March, 2017
		Workshop on 'Women Health Awareness and Depression'	Rotary Club, Faridabad and Department of Electronic Engineering at YMCA University of Science and Technology, Faridabad	7 <sup>th</sup> April, 2017	
		National Conference on 'Advances in Mathematics and Computing' (AMC-2017)	Department of Humanities and Sciences and Department of Computer Engineering, YMCA University of Science and Technology, Faridabad	1 <sup>st</sup> May, 2017	2 <sup>nd</sup> May, 2017
9.	Ms. Nisha	Environment Sustainability and Development	YMCAUST, Faridabad.	04.07.16	08.07.16



### INVITED TALKS/LECTURES DELIVERED

Sr.No.	Name of Faculty	Topic of delivery	Venue	Date
1	Dr. Anuradha Sharma	Nanites: A Big Promise in a Small Package	National Conference on Advances in Engineering and Applied Sciences, NCAEB, 2016	13.05. 2016
2	Dr. Sonia	Interference of Light	Consortium for Educational Communication (CEC) is an Inter–University Centre of University Grants Commission (UGC) and nodal agency to coordinate the activities of Educational Multimedia Research Centres (EMRC)	11 <sup>th</sup> July 2016
		Laser Spam Filtering Optics	Consortium for Educational Communication (CEC) is an Inter–University Centre of University Grants Commission (UGC) and nodal agency to coordinate the activities of Educational Multimedia Research Centres (EMRC)	15 <sup>th</sup> March 2017

### FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES, EDITORIAL BOARDS

#### Dr. Neetu Gupta

- Life Member of Indian Society for Mathematical Education
- Lifetime Member of Indian Mathematical Society(IMS)
- Life Member of Forum for Interdisciplinary Mathematics

#### Dr. Divyajyoti

- Judge for English Debate at state level IGNIDEA 2017
- Expert at National Conference at D.A.V.Centenary College
- MPHIL Thesis examined for Department of Modern Indian Languages, Delhi University

#### Ms. Jyoti Grover

- Lifetime Member of Indian Mathematical Society(IMS)
- Lifetime membership of ISCA Indian Science Congress Association

#### Dr. Sonia

- Life time member of Indian Nano-Science Society.
- Life member of *National Environmental Science Academy*, New Delhi with membership
- Reviewer of Scientific committee & Editorial review Board on Engineering and Physical Sciences, World Academy of Science, Engineering and Technology (international).



- Sub Editor of International Journal of YMCA university of Science and Technology.
- Member of Evaluation Committee of State Essay Writing Competition of Haryana State Council for Science and Technology. Department of Science and Technology, Govt. of Haryana.
- Life time member of National Environmental Science Academy (NESA) with membership no
- Sub Editor of International Journal of YMCA university of Science and Technology.
- Member of Evaluation Committee of State Essay Writing Competition of Haryana State Council for Science and Technology, Department of Science and Technology, Govt. of Haryana.

**Dr. Maneesha Garg**

- Technical Program Committee member and Reviewer for INDIACom-2017

**Dr. Reena Garg**

- Life Member ISTE, IMS and FIM
- International journal of research in Engg. & technology, member reviewer board
- International journal of Engg. & management research (ijemr), member editorial board
- Member Organizing Committee in National Conference on NHTSEE-2017, 9<sup>th</sup>-10<sup>th</sup> March 2017
- Member Organizing Committee in National Conference on NHTSEE-2017, 1<sup>st</sup>-2<sup>nd</sup> May 2017
- Member An Integrated Approach to Research Quality & Ethics, 20<sup>TH</sup> JAN 2017
- Scientific & technical terminology in teaching of science, 3<sup>rd</sup>-4<sup>th</sup> March 2017

**Dr. Renuka Gupta**

- Technical Reviewer for different national and international journals of repute.
- Member, Editorial Board of Journal of Environmental Science and Sustainability (online journal [www.jessjournal.com](http://www.jessjournal.com))
- Life member, Indian Nuclear Society (INS), Anushaktinagar (Mumbai)
- Life member, Biotechnology Research Society of India (BRSI), Trivandrum
- Life member, Indian Science Congress Association (ISCA), Kolkata
- Life member, National Environmental Science Academy (NESA), New Delhi
- Life member, Indian Society for Technical Education (ISTE), New Delhi Paper
- Coordinator, 'Ecosystem Structure and Function', e-PG Pathshala Programme, National Mission for Education through ICT, MHRD Project.

**Ms. Bindu Mangla**

- Life member, Indian Science Congress Association (ISCA), Kolkata



# **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 specializations in Finance, Marketing and HR. 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

### DEPARTMENT PROFILE

<b>PG Course:</b>	MBA
<b>Target Students:</b>	Open for all graduates through HSTES (C-MAT)
<b>Ph.D.:</b>	Management
<b>Total Number of Faculty:</b>	08 (02 Associate Prof. + 06 Assistant Prof.)
<b>Number of Ph.D.'s:</b>	03
<b>Average experience of faculty:</b>	11 years (Approx.)
<b>Dean and Chairperson:</b>	<b>Dr. Navdeep Malhotra</b>

### DEPARTMENTAL FACILITIES

The department is well equipped with the following facilities:

Sr. No.	Facility	Count/Details
1	Labs	01
2	Lecture Halls	03
3	Conference Room	01
4	Seminar Halls/Projector Rooms/Research Lab	03
5	Internet Connection	Internet facility for staff and students
6	Any Other Facility	Staff provided with Laptop/Desktop



## FACULTY PROFILE

Sr. No.	Name	Designation	Highest Qualification	Area of Specialization	Total Experience (years)
1	Dr. Manisha Goel	Associate Professor	Ph.D.	Finance	15
2	Dr. Rachna Agrawal	Associate Professor	Ph.D.	Finance	14
3	Ms. Rupali Madan	Assistant Professor	M Phil	Marketing	9
4	Ms. Anushree Chauhan	Assistant Professor	M Phil	Human Resource	10
5	Ms. Neha Goyal	Assistant Professor.	MBA	Finance	8
6	Ms. Jyotsana Chawla	Assistant Professor	M Phil	Finance	9
7	Mr. Rajiv Sindwani	Assistant Professor	MBA	Marketing	13
8	Dr. Renu Aggarwal	Assistant Professor	Ph.D	Finance	14



## DEPARTMENTAL PUBLICATIONS &amp; FDP/STC

(2015-16)

Sr. No.	Particular	Count
1	Publications in International Journals	18
2	Publications in National Journals	Nil
3	Publications in International Conferences	02
4	Publications in National conferences	03
5	STC/FDP	04

## PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL JOURNALS

Sr. No.	Name of Faculty	Title, Journal, Vol, Issue, Pages, Year
1	Dr. Manisha Goel	Consumer Awareness towards Internet Banking: A comparative study of Public, Private and Foreign Banks, International Journal of Hybrid Information Technology, Volume 9, Issue 6, pp. 77-90, June 2016.
		Entrepreneurship and Dermatoglyphics, Excel International Journal of Multidisciplinary Management Studies, Volume 6, Issue 4, pp. 28-33, April 2016
		Emerging Challenges of Entrepreneurship, Excel International Journal of Multidisciplinary Management Studies, Volume 6, Issue 4, pp. 34-42 , April 2016
		Entrepreneurship in Mutual Fund Market, Zenith International Journal of Multidisciplinary Research, Vol. 6, Issue 4, pp. 144-153 , April, 2016.
2	Dr. Rachna Agrawal	Retention Management in Indian IT Sector – A Strategy Dimensions, YMCAUST International Journal of Research, Vol.3 Issue II. July 2015, ISSN: 2319-9377.
3	Ms. Rupali Madan	Rupali Madan, Dr. Rachna Agrawal, Dr. Mitu G Matta, Relationship Marketing Strategies in Banking Sector: A Review; IJBBR, Vol.4, 2201-4179, 2015, pp 1-10
4	Ms Neha Goyal	Two Way Fixed Effect of Priority Sector Lending (Sector Wise) on Non Performing Assets of Indian Commercial Banks, International Journal of BRIC Business Research (IJBBR), ISSN: 2201-4179, Volume 5, Number 1, 2016
		A Study for Identifying Reasons for Low Preference of Priority Sector Lending of Indian Commercial Banks, International Journal of



		Sustainable Economies Management, Volume 5 • Issue 2 • April-June 2016, pp 22-34
		A Study for Identifying Issues Faced by Bank Officials in Agriculture Priority Sector Lending , International Journal of Advance Science and Technology, ISSN: 2005-4238, Vol.90 (2016), pp.41-48
		Review of Priority Sector Lending Performance of Indian Commercial Banks, Asian J. Management; ISSN 0976-495X (Print), 6(4): October-December, 2015.
5	Ms. Jyotsana Chawla	Fdi in indian retail sector: a review. International Journal of BRIC business research(ijbbr), Vol 5, No. 2, 2016.
6	Mr. Rajiv Sindwani	Rajiv Sindwani and Manisha Goel, "Technology Based Self Service Banking Service Quality Evaluation: a Graph Theoretic Approach." International Journal of Advanced Science and Technology, Vol.80, pp. 1-18, 2015.
		Rajiv Sindwani and Manisha Goel, —The Impact of Technology Based self Service Banking Service Quality on Customer Loyalty  International Journal of Marketing and Business Communication, Vol. 4, no. 3, pp. 13-22, 2015.
		Rajiv Sindwani and Manisha Goel, "The Relationship between Service Quality Dimensions, Customer Satisfaction and Loyalty in Technology based Self Service Banking." International Journal of E-Services and Mobile Applications, Vol. 8, no. 2 ,pp. 54-70, 2016.
7	Dr. Renu Aggarwal	1.Renu Aggarwal and Monica Bhardwaj, <sup>1</sup> Understanding Dynamics of Mobile Banking adoption by youth :Empirical evidences from India  FIIB Business Review ISSN 2319-7145 volume 5 issue 2, April June 2016. 2. Renu Aggarwal and Monica Bhardwaj, —Assessing the Impact of Relationship Quality on Online Adoption  International journal of business information systems and strategies, wifelier publications, ISSN 2201-4152,cVolume 5,2016. 3. Renu Aggarwal and Monica Bhardwaj, —An Analysis of Antecedents of Mobile Banking Adoption in India  International Journals of Multidisciplinary Research Academy (IJMRA) ISSN: 2249-0558, Vol. 6 Issue 2, p 37-51, 2016. 4. S. Mittal and R. Aggarwal, —Development of Capitalist Structure Emerged as Opportunistic Culture in Banking , international journal of Science Technology and Management, ISSN 2394-1537, Vol. 4 special issue 01 Nov. 2015 pp 156-167, 2015.



### PAPER PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES

Sr. No.	Name of Faculty	Authors, Title, Conference, Dates, year, Pages
1	Dr. Manisha Goel	Usage of Internet Banking Services with reference to Demographic Variables- An Investigation, National conference Mantra for 21st century managers: initiate, innovate and integrate, DIAS, Rohini, Delhi, 28th February 2016, pp.49-71.
		A Review of Corporate Social Responsibility un E-Commerce, National conference Mantra for 21st century managers: initiate, innovate and integrate, DIAS, Rohini, Delhi, 28th February 2016, pp.171-183.
		Career Counselling- A Doorstep to Entrepreneurship, National conference Mantra for 21st century managers: initiate, innovate and integrate, DIAS, Rohini, Delhi, 28th February 2016, pp.275-286.
2	Dr. Rachna Agrawal	International Conference on Marketing in Emerging Economies organised by CMS, Jamia Millia Islamia, New Delhi on 18 February, 2016
		International Conference on Advances in Management & Decision Sciences organised by School of Management, Gautam Buddha

### WORKSHOP/STC/INVITED TALKS/OTHER ACTIVITIES CONDUCTED

Sr. No.	Topic of Expert Lecture	Date of Expert Lecture	Name of expert, Designation
1	Entrepreneurship opportunities: to start up a new business	6-10-16	Ms Jaya Goyal Member, MPESC, Faridabad
2	Interpersonal Communication Skills	24-8-16	Ms. Nistha Kakkar Communication and marketing officer, Charities Aids foundation
3	Leadership	14-10-16	Prof. S.C. Manchanda Ex Dean, MVN University, Fbd.
4	Corporate Governance	14-10-16	Mr Umesh Gupta Asst. V.P., BSES, Rajdhani Power
5	Personality Development and Career Growth (for MBA 1 <sup>st</sup> year)	17-10-16	Prof. B. N. Singh Professor
6	Personality Development and Career Growth (for MBA 2 <sup>nd</sup> year)	17-10-16	Prof. B. N. Singh Professor
7	Change Management	25-10-16	Prof. Ritu Bajaj Professor, JIMS, Rohini,



				New Delhi
8	ERP & SAP	4-11-16	Mr. Dinesh Chand, SAP consultant, Sapient Technologies, Gurgaon.	
9	Interview Skills	8-11-16	Prof. S.C. Manchanda	Ex Dean ,MVN University, Fbd.
10	Attitude and Stress	10-11-16	Ms Poonam Gupta	Renowned Psychologist
11	Mock Interviews	10-11-16	Prof. S.C. Manchanda	Ex Dean , MVN University, Fbd.
12	Ethical and Transformational Leadership	11-11-16	Prof. Savita Bhagat	Head, Dept. of Economics, DAV centenary college, Fbd.

#### STC/FDP/WORKSHOP/ SYMPOSIA ATTENDED

Sr.No.	Name of Faculty	Name of STC/ FDP	Organized by	Date	
				From	To
1	Dr. Renu Aggarwal	MHRD sponsored two days' work shop on —Protecting and exploring IPR awareness	YMCAUST Faridabad.	19-10-2015	20-10-2015
2	Ms. Rupali Madan	Environment Sustainable Development	NITTTR Chandigarh and YMCAUST Faridabad	04-07-2016	08-07-2016
3	Ms Anushree Chauhan	Structural Equation Modeling	MRIU, Faridabad	04-09-2015	04-09-2015
4	Mr Rajiv Sindwani	Structural Equation Modeling	MRIU, Faridabad	04-09-2015	04-09-2015



**FACULTY SERVING IN NATIONAL COMMITTEES, INTERNATIONAL COMMITTEES,  
EDITORIAL BOARDS**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Details</b>
1	Dr. Rachna Agrawal	1. Co-Chair of the Session in International conference on Advances in Management & Decision Sciences, Gautam Buddha University, Greater Noida
		2. Editorial Board, YMCA International Journal of Research, TJPRC global community, USA.
		3. Reviewer, YMCA International Journal of Research, Faridabad
2	Rajiv Sindwani	1. Sub Editor of YMCAUST International Journal of Research
		2. Editorial Board Member of International Journal in Commerce, IT and Social Sciences
3	Dr. Renu Aggarwal	1. Acted as a judge in IGNIDEA 2015 —Declamation contest and Open House held at DAV college Faridabad. April 2015
		2. Reviewer, YMCA International Journal of Research, Faridabad



## OUTSTANDING ACHIEVEMENTS

2015-2016

### Activities of Department

1. The Department celebrated 70<sup>th</sup> Independence Day , Azadi 70: A journey of 70 glorious years of Independence on 22-08-2016.

Activities done -

**Activity 1:** Card making.

**Activity 2:** Slogan writing.

**Activity 3:** Dr.amatics and singing competition.

**1. Card making-** For card making activity three winners were declared. First position was captured by, Ms. Archana (MBA 1<sup>st</sup> Sem.), Second position was gathered by Ms Saloni (MBA 1<sup>st</sup> Sem) and third positon was held by Ms Bhawna Sharma (MBA 3<sup>rd</sup> Sem).

**2. Slogan Writing-** For Slogan Writing activity three winners were declared. Ms. Shivani Kalra of MBA 1<sup>st</sup> Sem stood first, Second position was won by Ms Kashika Dawar (MBA 1<sup>st</sup> Sem) and third positon was held by Ms Saloni (MBA 1<sup>st</sup> Sem).

**3. Slogan Writing-** For Slogan Writing activity three winners were declared. Ms. Shivani Kalra of MBA 1<sup>st</sup> Sem stood first, Second position was won by Ms Kashika Dawar (MBA 1<sup>st</sup> Sem) and third positon was held by Ms Saloni (MBA 1<sup>st</sup> Sem).

2. The department organized an essay writing competition in collaboration with Syndicate bank officials, under Vigilance awareness week on 2<sup>nd</sup> November 2016.

### ACHIEVEMENTS OF THE DEPARTMENT

Ren o.	Name of the students	Class	Position achieved	Name of quiz	Date of event	Organized by
1	Anuj Lohia, Prayag Rana, Parag Nikhare	MBA 2 <sup>nd</sup> year	1 <sup>st</sup>	Quiz -whiz 2016, An inter university quiz competition	28-09-2016	DAV Centenary College, Faridabad
2	Jyoti Raghav, Avinash Kaur	MBA 1 <sup>st</sup> Year	3 <sup>rd</sup>	Art Fest 2016 (PPT presentation)	7-10-2016	DAV Centenary College, Faridabad



**COMMUNITY COLLEGE**



## COMMUNITY COLLEGE

### OBJECTIVE

The Community College 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.

YMCAUST Community College 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.

**Principal Community College: Dr. Vikas Turk**

**Eligibility for Admission:** 10+2 in any discipline from recognized Board/University.

### DETAILS OF COURSES

Name of courses approved	Sanctioned Intake	Admissions made	Date of commencement of course	Fee for the course	Scholarship paid to the students
Welding	50	23	1 <sup>ST</sup> Sept. 2016	500	NIL
Electrician	50	43	1 <sup>ST</sup> Sept. 2016	500	NIL

### PLACEMENT DETAILS

Course	Duration	Students admitted	Students passed	Placement
Diploma in Welding	1 Year	23	11	10
Diploma in Electrician	1 Year	43	26	21



**DEAN STUDENT WELFARE  
STUDENTS' ACTIVITIES**



### DETAILS OF STUDENT'S CLUBS

**Dr. Naresh Chauhan (Dean Student Welfare)**

**Dr. Sonia Bansal (Deputy Dean Student Welfare)**

### CULTURAL CLUBS

S.No.	Club	Faculty Coordinator	Secretaries	Joint Secretaries
1	Ananya	Ms. Jyoti	Vasu Garg Rhidam Shrivastava	Mahi Verma Anshul Sharma Anshul Koul
2	Nataraja	Ms. Rashmi Popli	Kushal Sharma Payal Malik Aman Mehla Jasmeet Sarao	Kapil Yadav Asha Singh Bhawna Indora Randeep Panjeta Anmol Prashar
3	Srijan	Dr. Preeti Sethi	Sanubhav Khokhar Nishtha Sethi Sushant Sharma	Perna Rathee Satyam Chandra Muskan Gupta
4	Vividha	Ms. Sangeeta Dhall	Sonalika Singh Divya Monga Nupur Bhatti Randeep Rao Nishant Chetiwal	Jyotsna Munjal Abhishek Ranjan Karan Goel Harsh Goel
5	Jhalak	Mr. Umesh Kumar	Sidharth Mehta Ayushi Garg Jatin Bansal Rahul Gusai	Meenakshi Mandi Jayant Jangra Aditi Kamboj Hiteshwar Mehla
6	Tarannum	Ms. Jyotsana Chawla	Karan Handa Sudha Jain Aditya Mehra Anamika Bhadauriya	Ashu Sahrawat Sakshi Nigam
7	Vivekanand Manch	Dr. Pradeep Dimri	Vinit Jindal Abhinandan Garg Gautam Goyal Amandeep Saini	Abhishek Saroha Sumedha Saini Divyansh Sangal Harsh Rohilla



### TECHNICAL CLUBS

S.No.	Club	Faculty Coordinator	Secretaries	Joint Secretaries
1	Manan	Mr. Harish Kumar	Vipin Khushu	Naman Sachdeva
			Ayushi Mittal	Hemant Bansal
			Sameer Taneja	Gaurav Yadav
2	Microbird	Mr. Mukesh Kumar	Sushant Gawri	Yavika
			Ashish Sharma	Madhur
			Gaurav Kaushik	Amit
			Kshitiz Minocha	
3	Mechnext	Mr. Sanjay Kumar	Darvinder Singh Bedi	Manjeet Lather
			Shubham Saini	Gaurav Pal
			Saurabh Aggarwal	Divanshu Kapoor
4	Samarpan	Ms. Rachna Dhir	Gaurav Kumar	Sahil Kapoor
			Pranshu Gupta	Sanyam Grover
			Kartik Kapoor	Anisha Raheja
5	IEEE	Mr. Ved Pal	Saumya Rastogi	Sumit Prasad
			Nikita Malpani	Saikat Kuila
				Sahil Jain
6	SAE Collegiate Club	Mr. Mukesh Gupta	Udit Setia	Gautam Singh
			Kamalpreet Kaur	Piyush Marwah
			Nitin Sharma	Sachin

### SPORTS CLUB

S.No.	Club	Faculty Coordinator	Secretaries	Joint Secretaries
1	Eklavya	Mr. Shailender Gupta	Sunil Kumar	Manav Sethi
			Aman Kumar	Manish Kumar
			Sahil Kasana	Ajayender Sorout
			Rohit Lamba	



## CLUBS ACHIEVEMENTS

### SRIJAN (Fine Arts Club)

S.No.	Name	Position	Event	Venue	Prize
1.	Simran Kataria	Second	Canvas painting	Resurrection- Manav Rachna University	Cash prize and certificate
2.	Ayushi Swati Soni	Third	Paintara	IIT-Delhi	Cash prize and certificate
3.	Rajat Chopra	First	2-shades	IIT-Delhi	Goodies and certificate
4.	Sanubhav Khokhar Yash Arora (Team)	Second	Brush off Brush	IIT-Delhi	Goodies and certificate
5.	Kumar Divendu	Second		YMCAUST	Cash prize and certificate
6.	Rajat Chopra Yash Arora Nishtha Sethi (Team)	Second	Doodle your shirt	IIT-Delhi	Cash prize and certificate
7.	Prerna Rathee Sushant Sharma (Team)	Third + Best Story	Graphic - o-rama	IIT-Delhi	Trophy, and certificate
8.	Deepansha Gupta	Second	Doodling the logo	IIT-Delhi	Goodies and certificate
9.	Priya Sharma Sachin Arya(Team)	First	Brush off Brush	IIT-Delhi	Cash prize and certificate
10.	Vaishali	First	Poster making (women's day)	YMCAUST	Cash prize and certificate
11.	Rajat Chopra	Third	Poster making (women's day)	YMCAUST	Cash prize and certificate
12.	Archna	Third	Slogan Writing (women's day)	YMCAUST	Cash prize and certificate
13.	Deepali	Second	Slogan Writing (womenday)	YMCAUST	Cash prize and certificate
14.	Rajat Muskan Nishtha	First	Wall Scrawl	YMCAUST	Cash prize and certificate



15.	Lovika Prerna	Second	Wall Scrawl	YMCAUST	Cash prize and certificate
16.	Rajat Khushboo	First	Tshirt Painting	YMCAUST	Cash prize and certificate
17.	Lovika Grover Priya Sharma	Third	MakeOver Face Painting	YMCAUST	Cash prize and certificate
18.	Twinkle Neha	Second	Off Brush	YMCAUST	Cash prize and certificate
19.	Paras Pooja	Third	Off Brush	YMCAUST	Cash prize and certificate
20.	Dipali Vaishali	First	Off Brush	YMCAUST	Cash prize and certificate
21.	Satyam Chandra	Second	Shades	IIT Delhi	Cash prize and certificate
22.	Sushant Sharma Sakshi Chandna	Second	Graphic-o-rama	IIT Delhi	Cash prize and certificate
23.	Priya Sharma	Third	Logo Design	IIT Delhi	Certificate and goodies
24.	Ayush Sinha	First	Poster making (Vigilance awareness week)	YMCAUST	Cash prize and certificate
25.	Pankaj Bora	Second	Poster making (Vigilance awareness week)	YMCAUST	Cash prize and certificate
26.	Parul	Third	Poster making (Vigilance awareness week)	YMCAUST	Cash prize and Certificate
27.	Inderjeet Sakshi	First	Off Brush	PEC	Cash prize and certificate
28.	Inderjeet Nitin Jayati	First	Graffiti painting	PEC	Cash prize and certificate
29.	Inderjeet Nitin	First	Muzart	PEC	Cash prize and certificate



## JHALAK

### (The Photography and Designing Club)

S.No	Title	Prize	Date
1	Photowalk-Qutub Minar	-	29.05.17
2	Photowalk-HauzKhas	-	10.06.17
3	Workshop on Photoshop	-	19.08.17
4	HVSU Logo Design Competition	Winners:- HiteshwarMehla andLakshay Sharma	21.08.17&25.08.17
5	Club Auditions	-	7.09.17-14.09.17
6	Foundation Daycum Fresher's 2k17 Design Exhibition Documentary YMCAUST	-	16.09.17
7	Photowalk - Safdarjung Fort	-	5.10.17
8	IIT Delhi,Cultural Fest Rendezvous 2k17 Design Revolution Throughthelens StoryTeller Theatrical Trailers	Revolution- 2 <sup>nd</sup> Prize-Lakshay Sharma 3 <sup>rd</sup> Prize- Jayant Jangra	14.10.17-16.10.17
9	Designing Competition	TBD	18.11.17



**VIVIDHA**  
**(Dramatics Club)**

S.no	Event description	Date	Venue
1	Cancer spoof	16 <sup>th</sup> September 2k16	Ymcaust
2	Charlie act	16 <sup>th</sup> September 2k16	Ymcaust
3	Gabbar spoof	16 <sup>th</sup> September 2k16	Ymcaust
4	Mime-phycoopath	25 <sup>th</sup> march 2017	Ymcaust
5	Street play- arrey chodro naa Yaar	26 <sup>th</sup> mach 2017	Ymcaust
6	Lyrical	24 <sup>th</sup> march 2017	Ymcaust
7	Stage play	24 <sup>th</sup> march 2017	Ymcaust
8	Shadow act	25 <sup>th</sup> march 2017	Ymcaust
9	Terrorist act	26 <sup>th</sup> January 2017	Ymcaust
10	Workshop by Narinder bhutani	18 <sup>th</sup> ja nuary 2017	Ymcaust
11	Workshop by abhishek deshwal	9 <sup>th</sup> September2017	Ymcaust
12	Street play on cleanliness	23 <sup>rd</sup> august 2017	Ymcaust
13	Skit on impact of media	10 <sup>th</sup> November2017	Ymcaust
14	Mime	16 <sup>th</sup> October 2017	IIT-DELHI
15	Street play	13 <sup>th</sup> -14 <sup>th</sup> October 2017	IIT-DELHI
16	Street play	12 <sup>th</sup> October 2017	Manav Rachna
17	Mime	9 <sup>th</sup> ovember 2017	IIT-DELHI
18	Skit	10 <sup>th</sup> November2017	Sharda University
19	Monoact	12 <sup>th</sup> October 2017	Manav Rachna
20	Monoact	9 <sup>th</sup> November 2017	IIT-DELHI
21	Monoact	12 <sup>th</sup> October 2017	Sharda
22	Stage play	4 <sup>th</sup> march 2017	JNU
23	Poetry	16 <sup>th</sup> September 2017	Ymcaust
24	Spoof	16 <sup>th</sup> September 2017	Ymcaust
25	Comedy spoof	16 <sup>th</sup> September 2017	Ymcaust
26	Mimicry	5 <sup>th</sup> October 2017	Agarwal college
27	Stage play	3 <sup>rd</sup> august 2017	JNU
28	Debate competition	3 <sup>rd</sup> October 2017	Huda convention centre



**ANANYA,  
THE UNPARALLELED**

S.NO	NAME	EVENT	POSITION
1	Bhaarat Pannu	CNN Youth Parliament	Best Delegate
2	Tanisha Tyagi Naman Chugh Aditi Utreja Harshit Makhija	Group Discussion at KRMangalam University	Second position
3	Chim Sharma	News Reporting at KR Mangalam University	First position
4	Ayushi Dwivedi	Slampoetry at Little Letters Linked	Third position
5	Alisha Khurana Naman Chugh	English Debate at BPIT	Second position
6	Mahi Verma	Just A Minute at BPIT	Second position
7	Anshul Sharma Anshul Koul	Just A Minute at BPIT	Special mention
8	Mahi Verma	Group Discussion at BPIT	Third position
9	Ayushi Dwivedi	Slampoetry at IIT-Delhi	Second position
10	Mahi Verma	Just A Minute at IIT-Delhi	Third position
11	Alisha Khurana	MIC drop at Vivekananda college	Second position
12	Bhaarat Pannu	JSS MUN	Best delegate
13	Anshul Koul	JSS MUN	Honourable mention
14	Bhaarat Pannu	Gautam Buddha Youth parliament	Best delegate



15	Sunny Yadav      Meghna Panwar      Anusha Yadav HarshitMakhija	Debate at NTPC	First position
16	AnshulSharma RitikaKhairwal AashimaAnand Simran Choudhary	Debate at NTPC	Second position
17.	Harshit Makhija	Declamation at IOCL	Third position
18.	Tanisha Tyagi	Essay writing at IOCL	First position
19.	Chim Sharma	Essay writing at IOCL	Second position
20.	Anshul Koul	Essay writing at IOCL	Third position
21.	Chim Sharma	Declamation at NHPC	First position
22.	Tanisha Tyagi	Declamation at NHPC	Third position

## NATARAJA

### (The dancing society)

#### GROUP DANCE COMPETITION, AGGARWAL COLLEGE

Nataraja participated in the annual fest of Aggarwal college, Ballabgarh on 6<sup>th</sup> October, 2017. The club gave two dance performances- western and bhangra. Western Nataraja won **second position** in the competition and was appreciated by all the competitors.



## MANAN-CODING

EVENTS BY MANAN (Aug' 16 - Nov' 17)		
	Event Title	Date
1	Programming Boot Camp with Coding Ninja	August 13, 2016
2	Session on Importance of Problem Solving in Cracking Tech Interviews	September 25, 2016
3	Code Gaze : A Session on developing a technical mindset	October 12, 2016
4	Session on Introduction to Programming	October 19, 2016
5	Xunbao Explained - A walkthrough for all technicalities	November 26, 2016
6	Session on Standard Template Library in C++	December 11, 2016
7	Hands On Session on PHP	January 17, 2017
8	Session on Greedy Algorithms	February 22, 2017
9	Session on Data Structures and their implementations	March 9, 2017
10	Code for YMCA Series: An ICPC Style coding contest series	April 9, 2017 - present   Fortnightly
11	Code Cadet Series : An Online Competitive Coding Contests	April 13, 2017 - present   Fortnightly
12	Session on Bit Manipulation	August 9, 2017
13	Session on Google Firebase	August 22, 2017
14	Mr & Ms Technocrat on Foundation Day cum Freshers' Party	August 22, 2017 - September 1, 2017
15	Manthan	September 4-8 18, 2017
16	DSW Website Launch at Reizo' 17	September 16, 2017
17	Headstart for Machine Learning	October 3, 2017
18	An Algo A Day - Initiative by Manan	October 4, 2017 - present



19	Session on Basics of C in collaboration with KSS	October 5, 2017
20	Session on Graph Theory	October 5, 2017
21	2 Day Workshop Session on Node.JS - Code Relay	October 24-25, 2017
22	Front End Development using Bootstrap and CSS Animations - Code Relay	October 31, 2017
23	Getting Started with Django - A Web Development Framework - Code Relay	November 2-3, 2017
24	Intro to Competitive Programming for Beginners - Code Relay	November 6, 2017
25	Session on Linked Lists - Code Relay	November 7, 2017
26	Session on Number Theory - Code Relay	November 8, 2017
27	Introduction to Git and Github - Code Relay	November 9, 2017
28	Session on Binary Trees - Code Relay	November 10, 2017
29	Workshop on Android Development	November 11, 2017

**MICROBIRD**

Sr.No.	Event Name	Winners	Award	Organisers
1.	Escalade zonals 2016	Sushant Gawri Moksh	2 <sup>nd</sup>	IIT Guwahati
2.	Escalade mains 2016	Sushant Gawri Moksh	3 <sup>rd</sup>	IIT Guwahati
3.	Robosoccer	Ashwani Gupta Aman Garg	1 <sup>st</sup>	Cluster Innovation Centre, DU
4.	Smart India Hackathon	Kshitiz Minocha Sushant Gawri	Shortlisted in top 10	Govt. of India
5.	Techkriti Zonals 2017	Aman Kshitiz Nishtha Kashish	2 <sup>nd</sup>	IIT Kanpur
6.	India International Science Festival	Ashish Sharma	Shortlisted in Swachhh Bharat application	Govt. of India



7.	Utkraanti'17 Zonals	Yavika Vivek Madhur Ketan Keshav Aggarwal	1 <sup>st</sup>	IIT Madras
8.	Escalade Zonals 2017	Aman Ashwani Anup	1 <sup>st</sup>	IIT Guwahati
9.	Escalade Zonals 2017	Anubhav Ujjawal	2 <sup>nd</sup>	IIT Guwahati
10.	Robo sprint	Madhur Vaibhav Anubhav	1 <sup>st</sup>	Cluster Innovation Centre,DU
11.	Robosoccer Robowars	Vivek ,Madhur Vaibhav Ashwani,Aman,Anup	2 <sup>nd</sup>	Satyug Darshan Institute of Technology

**SAE CLUB**

:

Activities	Academic Year	Achievements'
<b>BAJA 17</b>	2016-17	<p>Student's team cleared Baja <b>Virtual</b> (1<sup>st</sup>Round)with 71<sup>st</sup> rankout of 350 teams in which design of the vehicle is evaluated.</p> <p><b>FinalRound:</b>ClearedTechnical InspectionRound</p> <p><b>Cost Repor tevaluation:</b>1<sup>st</sup>AIR(Won Prize worth Rupees 60,000)</p> <p><b>Innovation:</b>1<sup>st</sup>AIR(Won Prize worth Rupees 60,000)</p> <p><b>Overall Rank :</b> 90<sup>th</sup> AIR</p>



<b>SUPRA17</b>	2016-17	<p>Cleared Virtual round of SUPRA and fabricated Formula car. Team designs ,builds and tests a prototype based on a series of rules, whose purpose is both ensuring on-track safety (the cars are driven by the students themselves)and promoting clever problemsolving.Even the held in Noida and team secures,</p> <p>Overall Rank : 49<sup>th</sup> AIR</p>
<b>AWIM</b>	2016-17	<p>SAE Volunteers work as Coordinators and Organisers for AWIM(AWorldin Motion). Till now YMCAUST SAE Collegiate Club have coordinated AWIM Delhi NCR region and Organised AWIM Ambala, Kurukshetra, Yamunanagar &amp; Karnal region.Our Faculty advisor Received two Achievers award for his contribution.</p>
<b>Autoshow</b>	2016-17	<p>SAE Clubhad Demonstratedtheir Vehicles(ATVCAR&amp;F1CAR)inan auto show under Skill India Programme in frontof Chief Guest Captain Abhimanyu (Finance Minister of Haryana) and T.C. Gupta (Vicepresident of skill India programme)in the Rajhans Hotel in Surajkund.</p>
<b>Participate in Jigyasa Competition</b>	2016-17	<p>It is the competition for innovation in any Technical Field which was held in jaipur. SAE Club actively participated in the competition with Innovation in Steering having variable gearratio.</p>

**SAMARPAN**

- 1) Sahil , Saurabh , Gaurav , Manish participated in North zonal of ANVESHAN 2016 – aproject based competition organized by Association of Indian universities and got Third position in North Zone.
- 2) Sahil, Gaurav,Manish participated inE-YANTRA– aprojectbasedcompetitionofIIT Bombay and qualified for the zonal rounds forE-YANTRA.
- 3) Rajat,Saurabh participated in the MANEUVRE–an object picking competition of Techkriti’17 the annual tech fest of IIT Kanpur and got fourth position inzonal.
- 4) Sahil, Saurabh, Gaurav, Manish participated in Nationals of ANVESHAN



2016 – a project based competition organized by Association of Indian Universities.

- 5) Vishal, Rohan participated in MAZE SOLVER– a line follower robot based competition organized by IIT Kanpur and got fourth position in zonal.

#### **MECHNEXT**

- 1) ceremony of “Danfoss: Centre of Excellence”. Projects by members were also exhibited at the event.
- 2) At our to Autokriti7.0 was organized.
- 3) Workshop on robotics and RC planes was organized.
- 4) A team including club members secured 9<sup>th</sup> rank all over India in yantra robotics competition organized by IIT Bombay.
- 5) A team exclusively of club members secured 1<sup>st</sup> position in rob soccer event in Manav Rachna University, Faridabad.
- 6) At our to “Robosapiens” Workshop was organized

#### **IEEE CLUB**

S. No.	Title	Date
1.	Bigg Boss 1.0 TECH+FUN	March 24-26, 2017
2.	Twist Tambola	March 26, 2017
3.	Workshop on electronic circuitry	September 1, 2017
4.	Session on PCB designing	September 22, 2017
5.	Science quiz & Orientation	October 4, 2017
6.	Trip To Science Museum	November 1, 2017

#### **EKLAVYA(The Sports Club)**

S.No.	Event	Venue	Medals
1.	Vivriti 2K17	Aravali College, Faridabad	1 Gold, 1 Silver Medals
2.	Endeavour 2017	DCTM, Palwal	3 Gold, 2 Silver Medals
3.	Triquetra 2K17	NSIT, IIT-D and DTU	5 Gold, 6 Silver and 3 Bronze Medals
4.	Sangram 2K17	IIT Roorkee	1 Silver and 5 Bronze Medals



5.	Spardha 2K17	IIT BHU	1 Gold, 3 Silver and 5 Bronze
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### **VIVEKANANDA MANCH**

1 YuvaSammelan: Inter college debate competition, essay writing competition, quiz competition. The competitions were organized to motivate the youth to contribute to the country. Declamation competition on “Geeta Jayanti” was also organized to celebrate the day.

2 Shishu Mandir: Two members of the club voluntarily teaches underprivileged students from Monday to Saturday. The members go to Milhard Colony (a suburb 15 min from campus) where they teach the needy in a local Community Center from 5:30 PM to 6:30 PM. Around 15 to 20 students are regular in the class

### **NSS YMCAUST**

- 1) Organised Blood Donation Camp on 21-03-2017
- 2) Organized road safety session
- 3) Coordinated a cleanliness campaign on 14-08-2017
- 4) Coordinated a cleanliness campaign on 14-08-2017

### **TARANNUM (Music society)**

S.NO.	NAME	EVENTS	PLACE	POSITION
1.	Kushaldeep	SOLO SINGING	YMCAUST	1st
2.	Bhawna Indora	SOLO SINGING	YMCAUST	2nd
3.	Ankit	SOLO INSTRUMENT	YMCAUST	3rd
4.	Ankit	Improptu 'tabla'	IIT-D	-
5.	Shivangi Rajput	solo singing	IIT-D	-
6.	Ishaan	solo instrument	IIT-D	-
7.	Saikat	solo instrument	Maharishi Markandeshwar University , Ambala	-



8.	Ishaan	Solo instrument	Maharishi Markandeshwar	-
9.	Karan Handa	BATTLE OF BANDS	YMCAUST	2nd
10.	Dhruv Wadhwa	BATTLE OF BANDS	YMCAUST	2nd
11.	Subhash	BATTLE OF BANDS	YMCAUST	2nd
12.	Aditya Mehra	BATTLE OF BANDS	YMCAUST	2nd
13.	Ishaan	BATTLE OF BANDS	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY	-
14.	Vipul	BATTLE OF BANDS	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY	-
15.	Karan Handa	BATTLE OF BANDS	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY	-
16.	Subhash	BATTLE OF BANDS	JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY	-

**ELEMENTS CULMYCA 2K17**

The Cultural cum Technical Fest of YMCAUST, Faridabad

Events organized under DSW

Cultural Events

1. Organized Intendence Day on 15<sup>th</sup> August. 2016 at YMCA University of Science and Technology, Faridabad
2. Organized the Rashtriya Ekta Diwas on 31<sup>st</sup> Oct. 2016 at YMCA University of Science and Technology, Faridabad.
3. Organized the visit of students to participate in a debate competition on the topic 'Preventive Vigilance as a Tool of Good Governance' conducted by National Thermal Power Corporation(NTPC) Limited, Faridabad in collaboration with YMCA University of Science and Technology on the occasion of Vigilance Awareness Week on 5<sup>th</sup> Nov. 2016 at NTPC Limited, Faridabad.
4. Organized the Foundation day and Fresher Party in 16 Sept. 2016 at YMCA University of Science and Technology, Faridabad to welcome the newly admitted students.
5. Organized the Constitution Day on 26<sup>th</sup> November 2016, 126<sup>th</sup> Birth Anniversary of Bharat Ratan Dr. B.R. Ambedkar at YMCA University of Science and Technology, Faridabad.

## **Annual Report 2016-17**



6. Organized the Youth Day on 12<sup>th</sup> January 2017 at YMCA University of Science and Technology, Faridabad.
7. Organized the Republic Day on 26<sup>th</sup> January 2017 at YMCA University of Science and Technology, Faridabad.
8. Organized Culmyca 2017 The Cultural cum Technical Fest in march 2017
9. Organized the National Service Scheme (NSS) Camp in the village
10. Organized tree plantation drive

### **Social Activities:**

- Organized the social activity 'Joy of Giving' week from Nov 2016 at YMCA University of Science and Technology, Faridabad and the Anchal Chanyan Orphanage, Baghola, Palwal.



**UNIVERSITY LIBRARY**



## INTRODUCTION

The Library is situated at ground floor with air conditioned facility. It is well equipped with modern technology like Internet, Bar Code technology etc. It is automated with the library Automation Software Libsys The library is a member of E-Shodh Sindhu Consortium and getting access of various e-resources through this Consortium. In addition to the e-resources accessible through above Consortium, some well known e-resource packages (e.g. Elsevier's Science Direct etc.) are also being subscribed by the library. The library is also member of Developing Library Network.

**Nominated Member, Library Committee:** Prof. Komal Kumar Bhatia

## STAFF PROFILE

Sr. No.	Name	Designation	Qualification	Total Experience (years)
1	Sh. P. N. Bajpai	Asstt. Librarian (Selection Grade)	M. Sc.; MLIS, M. Phil	21
2	Ms. Hema Singh	Asstt. Lib. Professional	M. Sc., ADIS, PGDCA	10
3	Mrs. Sadhna Bajpai	Library Counter Clerk	B. Sc., M. A., MLIS, M. Phil	15
4	Ms. Seema Raturi	Library Counter Clerk	M. A., MLIS	13

## LIBRARY COLLECTION

Books in Stock	Newly Purchased Books	Book Bank Books	No. of Print Journals	No. of Magazines	No. of Newspapers
75623	3333	15931	104	35	15

## 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



## **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 for all students
7. Special collection of books for SC/ ST students.
8. Current Content Service.
9. Newspaper clipping service.

### **Conferences/ Editorial Board/ Research Publications by P. N. Bajpai, Asstt. Librarian (Selection Grade):**

1. Attended International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) organized by YMCA University of Science & Technology on December 26-27, 2016 and presented a paper entitled “World Research Output in the field of Engineering: A decade study (1996-2015)”
2. Member of Editorial Board of “International Journal of Professional Development”.
3. Member of Editorial Board of “International Journal of Library and Information Management”.

## **E-RESOURCES**

Presently library is having access of following e-resources through

### **E-shodh sindhu Consortium**

Springer Link	<a href="http://link.springer.com">http://link.springer.com</a>
Taylor & Francis	<a href="http://www.tandfonline.com">http://www.tandfonline.com</a>
Nature	<a href="http://www.nature.com/">http://www.nature.com/</a>
JSTOR	<a href="http://www.jstor.org">http://www.jstor.org</a>
Oxford University Press	<a href="http://www.oxfordjournals.org">http://www.oxfordjournals.org</a>
Economic & Political Weekly	<a href="http://epw.in/">http://epw.in/</a>
IEEE ASPP	<a href="http://ieeexplore.com/">http://ieeexplore.com/</a>
World e-book Library	<a href="http://community.worldlibrary.in">http://community.worldlibrary.in</a>
South Asia Archives (SAA)	<a href="http://www.southasiaarchive.com">http://www.southasiaarchive.com</a>
<b>Subscribed e-resources</b>	
ASME	<a href="http://asmedigitalcollection.asme.org">http://asmedigitalcollection.asme.org</a>
Elsevier's Science Direct (Engg & Comp.Sc. Collection)	<a href="http://www.sciencedirect.com">http://www.sciencedirect.com</a>
McGraw Hill Access engineering	<a href="http://accessengineeringlibrary.com">http://accessengineeringlibrary.com</a>



**GATEWAY TO E-RESOURCES (DISCOVERY SERVICE)**

JGate Plus

<http://jgateplus.com>

**EVENTS/ACTIVITIES/ACHIEVEMENTS DURING THE YEAR**

<b>Date</b>	<b>Name of Activity</b>	<b>Number of Participants</b>
19-20 January, 2017	Book Exhibition	22
05 May, 2017	Users' training on "Search and Use of e-resources in a better way"	88



**RESULT ANALYSIS (2016-2017)**



## Dec 2016- Semester Wise-Pass Percentage:

Course	Semester	Total No. of appeared candidates	Total no, of pass candidates	Total no. of fail candidates	Pass %
B. Tech	I	404	315	89	77.97
B. Tech	III	496	351	145	70.76
B. Tech	V	502	449	53	89.44
B. Tech	VII	495	488	07	98.58
M. Tech	I	97	87	10	89.69
M. Tech	III	131	126	05	96.19
MBA	I	57	54	03	94.73
MBA	III	55	54	01	98.18
MCA	I	26	21	05	80.76
MCA	III	34	33	01	97.05
MCA	V	35	31	04	88.75
M Sc (PHY)	I	51	43	8	84.31
M Sc (PHY)	III	26	26	NIL	100
M Sc (MATHS)	I	54	36	18	66.66
M Sc (MATHS)	III	27	19	08	70.37
Total		2490	2133	357	85.66



## May 2017- Semester Wise-Pass Percentage:

Course	Semester	Total No. of appeared candidates	Total no, of pass candidates	Total no. of fail candidates	Pass %
B. Tech	II	399	333	66	83.45
B. Tech	IV	494	398	96	80.50
B. Tech	VI	501	447	54	89.22
B. Tech	VIII	501	468	33	93.41
M. Tech	II	126	113	13	89.68
M. Tech	IV	130	127	3	97.69
MBA	II	56	49	7	87.5
MBA	IV	55	55	Nil	100
MCA	II	26	17	09	65.38
MCA	IV	34	33	01	97.05
MCA	VI	34	29	05	85.29
M Sc (PHY)	II	51	34	17	66.66
M Sc (PHY)	IV	26	24	02	92.30
M Sc (MATHS)	II	52	35	17	67.30
M Sc (MATHS)	IV	24	18	06	75
Total		2509	2180	329	86.88



**DETAIL OF SCHOLARSHIPS**



## UNIVERSITY SCHOLARSHIP SCHEMES 2016-17

Sr. No.	Name of Scholarship	No. of students allowed	Amount per student (in Rs.)	No. of students eligible during 2016-17	Amount disbursed during 2016-17 (in Rs.)	Eligibility Criteria
1	BC Scholarship(*)	No limit of number of eligible students	Maintenance Allowance	88	awaiting.	For BC Students whose parental income less than one lac per annum
2	SC (Post Matric) Scholarship(*)	No limit of number of eligible students	Tuition fee & oth charge	143	7909650/-	For SC students whose parental income less than 2.50 lac per annum
3	SC (Reimbursement) Post Matric Scholarship(*)	No limit of number of eligible students	The advertisement of this sch. Is not published by State Govt. Haryana in the year 2016-17			For SC students whose parental income more than 2.50 lacs and less than 3.50 lac per annum
4	SC (Post Matric) Scholarship (M.Sc.)(*)	No limit of number of eligible students	Tuition fee & other charges	16	900650/-	For SC students of M.Sc Course whose parental income less than 2.50 lac per annum awarded by Higher Education, Panchkula
5	P.G. Scholarship to M.Tech.(GATE Scorers)	No limit of number of eligible students	Data is available with respective Deptts.	Only for GATE qualified students		
6	<b>University Scholarships</b>					
	(a) Governor/Chancellor's Gold Medal	1	Rs.75,000/-+ Medal + Certificate	3	225000/-	Overall B.Tech. academic topper student (final year)
	(b) Chief Minister's Gold Medal	1	Rs.65,000/-+ Medal + Certificate	3	195000/-	Overall B.Tech. academic topper girl student (final year)



(c) Vice Chancellor's Gold Medal	1	Rs.51,000/-+ Medal + Certificate	3	153000/-	B.Tech. students (final year) on the basis of their performance on merit as well as other extra & co-curricular activities
(d) Dean Certificates Department wise(*)	49 per semester	Rs.2,500/- + Certificate	98	245000/-	Toppers of each semester branch wise/course wise/B.Tech./MCA/MBA/M.Tech./M.Sc. Course
(e) Rank Basis (100%)	22 for one year 22x4 = 88	40,000/-	Discontinued from May, 2014 as per Academic Council Meeting held on 29.10.2014 vide its item no. AC/08/14		JEE Main Ranks 1-15000 for B.Tech and for MBA/MCA students who are having first Topper rank in Entrance exam
(f) Rank Basis (50%)	57 for one year 57x4 = 228	20,000/-	Discontinued from May, 2014 as per Academic Council Meeting held on 29.10.2014 vide its item no. AC/08/14		JEE Main Ranks 1-25000 for B.Tech and for MBA/MCA students who are having next best ranks in Entrance exam
(g) Only Girl Child (100%)	10 for one year 10x4 = 40	40,000/-	Discontinued from May, 2014 as per Academic Council Meeting held on 29.10.2014 vide its item no. AC/08/14		B.Tech. Girl students who are the only girl child/all the siblings are girls of their parents having JEE Rank 1-20000.
(h) Merit-Cum-Means (Rs.750/- p.m.)(* )	15% of the sanctioned/ admitted strength of B.Tech./MCA/ MBA course or actual intake whichever is less	750/- per month per student	40	150000/-	B.Tech., MBA, & MCA students whose parental income 4.50 lacs per annum and passed their last two semester exams and secured at least 7.750 CGPA
7	<b>Misc. Scholarships</b>				



(a) MOB (Merit-cum-Means)	No limit of number of students	Rs.21,000/- per year	08	168000/-	As per their norms
(b) Indian Oil Educational Scholarship	No limit of number of eligible students	Tuition fee & other charges	09	288000/-	As per their norms
(c) DLF Raghvendra Scholarship	No limit of number of eligible students	Tuition fee & other charges	01	40000/-	As per their norms
(d) National Handicapped Finance & Devl. Corpn., Fbd.	No limit of number of eligible students	Tuition fee & other charges	02	155000/-	As per their norms
(e) RKM Stipend	No limit of number of students	Rs.2,700/- per year	19	59850/-	As per their norms
(f) Prime Minister Scholarship Scheme (AICTE J&K admitted student)	No limit of number of students	Tuition fee & other charges	06	156120/-	As per their norms
(g) Guru Har Krishan Ednl. Society, Chandigarh	No limit of number of students	Misc. charges	01	6000/-	As per their norms
(h) Vishwa Prakash Mission	No limit of number of students	Tuition fee & other charges	05	113740/-	As per their norms
(i) Oil & Natural Gas Corpn Ltd., Dehradun	No limit of number of students	Tuition fee & other charges	01	48000/-	As per their norms
<b>Grand Total</b>			<b>446</b>	<b>10813010/-</b>	



**NOTE:** Beside the above scholarships, a number of students are getting scholarship from Central Board of Secondary Education New Delhi, Board of School Education Haryana, Bhiwani, POSE (Promotion for Science Education) Scholarship from HGCST, Panchkula and from their Parent's office etc. directly.

*\* Under these schemes students are getting scholarship amount directly to their Bank Accounts.*



# **FINANCIAL SUMMARY**



**CONTROLLER OF FINANCE: DR. PRADEEP KUMAR**

In terms of the Section 21 of the YMCAUST Act 2009, University Budget and its Annual Accounts are put up to the "Court every year for consideration. Accordingly, the Court in its meeting 31-03-2016 considered and approved the Budget Estimates for the year 2016-2017. Revised estimate for the Year 2015-2016 including Actual for the year 2014-2015 as recommended by the EC and the summary of the Budget so approved is given below:-

Non-Plan		Income	(Rs. In Lac)	(Rs. In Lac)
Sr. No.	State Govt. Grant	Actual 2014-2015	Revised 2015-2016	Estimate 2016-2017
A.	Grant in Aid (General) Non Plan	880.00	1056.00	1100.00
	Grant in Aid (General) PLAN Scheme	2300.00	500.00	250.00
	Internal Receipts (Tuition Fees)	732.06	794.24	828.15
	Additional Income SFS	627.84	530.38	721.32
	Scheme funded by Various Agency like UGC, DST, AICTE etc	193.80	9.99	65.00
	<b>Total</b>	<b>4733.70</b>	<b>2890.61</b>	<b>2964.47</b>
<b>EXPENDITURE (IN LACS)</b>				
B	Grant in Aid (General) Non Plan	1613.97	1810.82	2104.78
	Grant in Aid (General) Plan	0.70	0.84	2.70
	Scheme funded by Various Agency like UGC, DST, AICTE etc.	193.80	10.00	22.96
	Self Financing Schemes	564.41	526.77	571.85
	<b>Total</b>	<b>2372.88</b>	<b>2348.43</b>	<b>2702.29</b>