ANNUAL REPORT
YEAR 2015-16

MAULANA AZAD
NATIONAL INSTITUTE OF TECHNOLOGY
BHOPAL - 462003
www.manit.ac.in

CONTENTS

S. No.	PARTICULARS	PAGE No.
1.0	**INTRODUCTION**	4
1.1	Vision	4
1.2	Mission Statement	4
2.0	**AN OVERVIEW**	5
2.1	Historical Background	5
2.2	Location	8
2.3	Campus	10
3.0	**THE COUNCIL, BOG AND OTHER COMMITTEES**	12
3.1	Board of Governors of the Institute	12
3.2	Finance Committee	14
3.3	Building Works Committee	15
3.4	Senate Members	17
4.0	**THE STAFF**	18
4.1	Academic Staff (Teaching)	18
4.2	Staff Position (Teaching & Non-Teaching)	27
5.0	**ACADEMIC PROGRAMMES**	30
5.1	Courses Offered	30
5.2	Admission Procedure	32
5.3	Course wise Enrollment with Sex, Caste Breakup	33
5.4	Admission Statistics – UG/PG Programmes, Course-wise	42
5.5	Student's Total Strength	43
5.6	Teaching, Examination and Evaluation System	43
5.7	Medal Details	48
5.8	Students, Scholarship and Stipend	50
5.9	Training & Placement	51
6.0	**RESEARCH AND DEVELOPMENT ACTIVITIES**	54
6.1	Existing Ph. D. Programme with their Area of Research	54

6.2	Seminars, Symposia, Summer/ Winter School Organized	70
6.3	Seminar/ Symposia Attended by Faculty Members	77
6.4	Research Projects	84
6.5	Research Publications	93
6.6	Books Published	169
6.7	Chapter Contribution in Books	172
6.8	Expert Lectures Delivered	173
6.9	Awards /Honours Conferred	182
6.10	Foreign Visits	183
7.0	**CENTRAL FACILITIES AND SERVICES**	185
7.1	Central Library	185
7.2	Hostel	186
7.3	Rolta Innovation & Incubation centre	187
7.4	Games & Sports	190
7.5	Institute Activities	191
7.6	Memorandum Of Understanding of MANIT	198
8.0	**INDUSTRIAL COLLABORATION/ CONSULTANCY**	199
8.1	Testing & Consultancy Projects	199
8.2	Patents	209

1.0 INTRODUCTION

1.1 VISION

"MANIT LOOKS FORWARD TO BECOMING A GLOBAL CENTRE FOR TECHNICAL AND PROFESSIONAL KNOWLEDGE"

1.2 MISSION STATEMENT

"TO PRODUCE TECHNICAL PROFESSIONALS ABREAST WITH COMPETENCE, LOGICAL MIND SET, MORAL & ETHICAL VALUES AND INNER STRENGTH SYNCHRONOUS WITH THE FUTURISTIC REQUIREMENT OF GLOBAL BUSINESS SO AS TO STRENGTHEN THE NATIONAL ECONOMY"

2.0 AN OVERVIEW:

2.1 HISTORICAL BACKGROUND/INSTITUTE PROFILE:

Maulana Azad National Institute of Technology (MANIT) is one of the leading institutions of national importance in the area of technical education. Established with the objective of developing a "Centre of Excellence" in the central region, it aims at becoming a multi-disciplinary centre for technical education by strengthening both teaching and research activities besides contributing to the needs of rural community, society and industry at large.

The Government of India and the Government of Madhya Pradesh, jointly sponsored the Institute on 4th September 1960 to attract bright young students from across the country. It was formerly known as Maulana Azad College of Technology (MACT), which was India's one of the first eight Regional Engineering Colleges. It has been named after the great scholar, educationist and the first education minister of Government of India, Dr. Maulana Abul Kalam Azad. The foundation stone of the Institute was laid by Late Pandit Jawahar Lal Nehru, the then Prime Minister of India, on 23rd April, 1961.

In June 2002, Maulana Azad College of Technology was elevated to the status of a Deemed University bearing the name Maulana Azad National Institute of Technology (MANIT) Bhopal, by the Ministry of Human Resource Development (MHRD), Government of India. Enjoying the status of an institution of National Importance, MANIT is fully funded by Government of India and is governed by the Board of Governors (BOG) constituted as per provisions made under the National Institute of Technology Act 2007. The President of India is a visitor of this institute. The Board of Governors consists of a Chairperson, nominated by the President of India, the Director (ex-office), two nominees from MHRD, two nominees from Government of Madhya Pradesh, one nominee from IIT, two nominees from the Senate of MANIT, Registrar and Secretary of BOG.

MANIT offers Bachelor's, Master's and Doctoral programmes in Engineering and Technology, Sciences, Computer Application Management and Humanities. The programmes of study include fourteen Bachelors and twenty one Masters programmes, Master of Computer Application (MCA) and Master of Business Administration (MBA) along with Doctoral programmes. The Institute has been conducting full time and part time M.Tech., industry oriented courses since August 1968. Several Post Graduate Courses have been introduced as per the need in successive years.

To mention them:

DEPARTMENTS:

- **Civil Engineering**
- **Electrical Engineering**

- **Mechanical Engineering**
- **Material Science & Metallurgical Engineering**
- **Chemical Engineering**
- **Electronics & Communication Engineering**
- **Computer Science Engineering**
- **Biological Science & Engineering**
- **Architecture & Planning**
- **Mathematics**
- **Physics**
- **Chemistry**
- **Humanities & Social Sciences**
- **Department of Management Studies**
- **Energy Centre**
- **Nanoscience and Technology Centre**
- **Remote Sensing GIS & GPS Centre**

UG PROGRAMME

1. **Bachelor of Architecture (B. Arch)**
2. **Bachelor of Planning (B. Plan)**
3. **Bachelor of Technology (B. Tech)**

i. Civil Engineering
ii. Electrical Engineering
iii. Computer Science Engineering
iv. Mechanical Engineering
v. Chemical Engineering
vi. Electronics & Communication Engineering
vii. Material Science & Metallurgical Engineering

PG PROGRAMMES

1. **Master of Business Administration (MBA)**
2. **Master of Computer Application (MCA)**
3. **Master of Planning (M PLAN)**

i. Urban Development (UD)
ii. Housing (HO)

4. **Master of Technology (M.TECH)**

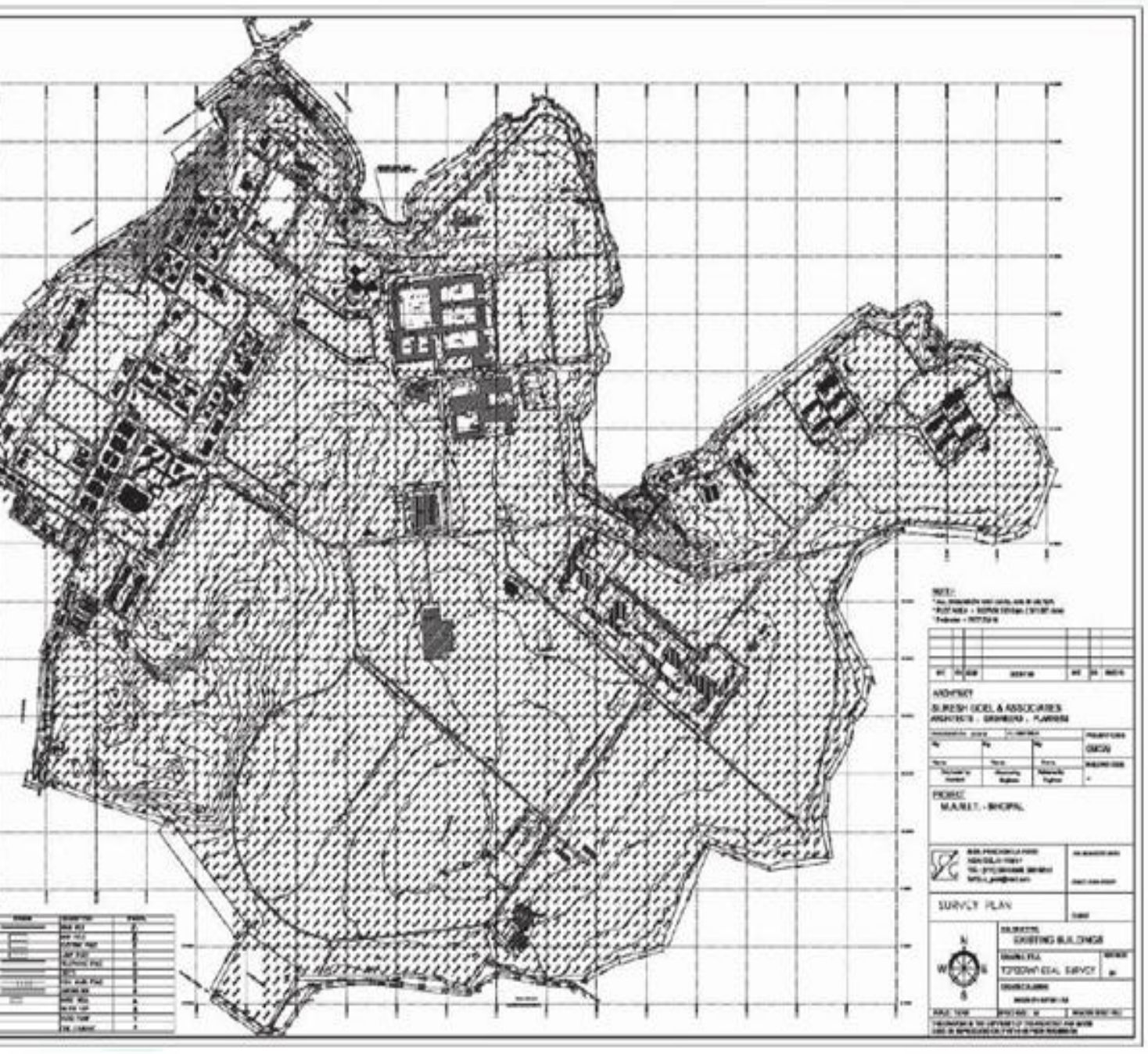
i. Advanced Computing
ii. Bio-informatics (BI)
iii. Biotechnology (BT)
iv. Chemical Process Design (CD)
v. Computation System Biology (XB)
vi. Computer Networking (XW)
vii. Digital Communication (CD)
viii. Electrical Drives (ED)
ix. Engineering Materials (EL)
x. Environmental Engineering (EV)
xi. Geo Informatics & its application (GI)
xii. Geotechnical Engineering (GE)

xiii. Green Technology (GT)
xiv. Hydro Power Engineering (HE)
xv. Industrial Design (ID)
xvi. Information Security (IS)
xvii. Maintenance Engineering (MN)
xviii. Materials Science & Technology (MH)
xix. Nanotechnology (NT)
xx. Power System Engineering (PS)
xxi. Renewable Energy (RE)
xxii. Stress & Vibration Analysis (SV)
xxiii. Structural Engineering (SU)
xxiv. Thermal Engineering (TI)
xxv. VLSI & Embedded Systems (VS)
xxvi. Water Resource Engineering (WR)
xxvii. Transportation Engineering (TE)

5. Ph.D Students are enrolled in all the departments

2.2 LOCATION:

The Institute is situated in the heart of beautiful lake city Bhopal, the capital of Madhya Pradesh with a verdent 650 acre campus and is well connected by rail, road and air transport. It is at an altitude of 550m. The climate is moderate with the temperature ranging from 10^{o}C to 45^{o}C.


NOTE:
ARCHITECT
SURESH GOEL & ASSOCIATES
ARCHITECTS . DESIGNERS . PLANNERS
PROJECT
M.A.N.I.T. - BHOPAL
SURVEY PLAN
EXISTING BUILDINGS
TOPOGRAPHICAL SURVEY

2.3 CAMPUS :

650 acres of sprawling campus on a plateau commanding a magnificent view of the new township of Tatya Tope Nagar, adjacent hill and the Secretariat building on one side and the Habibganj Railway Station and Bharat Heavy Electrical Ltd. township on the other side.

As recommended in the Master Plan for the Institute, the entire campus of 650 acres, consists of its administrative and institutional buildings, Workshops, Energy Centre, Computer Centre, Library, residential and recreational accommodation for students, staff and other general amenities and Post-Office, Bank, Shopping Centre, School for children, Dispensary, Auditorium of 700 capacity, Student's Activity Centre, Guest House, Sports Complex and vast expanse of open area.

BOYS HOSTEL

VIP GUEST HOUSE

COMPUTER CENTRE

POST OFFICE

3.0 THE COUNCIL, BOG AND OTHER COMMITTEES

3.1 BOARD OF GOVERNORS

1.	Prof. Geetha Bali Apartment 103, 10, Sterling Southend Apartment, 30th Cross, Jayanagar, 7th Block BANGALORE – 560 082.	Chairperson
2.	Dr. N.S. Chaudhari Director MANIT, Bhopal	Ex-Officio Member
3.	Joint Secretary (TE) Govt. of India Ministry of Human Resource Development Dept. of Secondary & Higher Education Shastri Bhawan NEW DELHI – 110 115.	Member
4.	Joint Secretary & Financial Advisor Integrated Finance Division Govt. of India Ministry of Human Resource Development Dept. of Secondary & Higher Education Shastri Bhawan NEW DELHI – 110 115.	Member
5.	Prof. Ratnam V Raja Kumar Director	Member

	Indian Institute of Technology (IIT) Samantapuri BHUBANESWAR – 751 013 (Odisha)		
6.	Ms Nandini Harinath Scientist SG ISRO BANGALORE (Karnataka)	Member	
7.	Smt. Kalpana Shrivastava Principal Secretary Dept. of Tech. Education & Skill Dev. Govt. of Madhya Pradesh, BHOPAL	Member	
8.	Madhya Pradesh State Govt. Nominee	Member (Nomination Awaited)	
9.	Dr. M.K. Gupta Electronics & Comm. Engg. MANIT, Bhopal	Member	Professor
10.	Dr. Dheeraj Kr. Agrawal Electronics & Comm. Engg. MANIT, Bhopal	Member	Asst. Professor
11	Dr. N.D. Mittal i/c Registrar, MANIT, Bhopal	Secretary	

3.2 MEMBERS OF FINANCE COMMITTEE

1.	Prof. Geetha Bali Apartment 103, 10 Sterling Southend Apartment, 30th Cross, Jayanagar, 7th Block BANGALORE – 560 082.	Chairperson	
2.	Dr. N.S. Chaudhari Director MANIT, Bhopal	Member	
3.	Jt. Secretary (NIT) Govt. of India Ministry of Human Resource Development Dept. of Secondary & Higher Education Shastri Bhawan NEW DELHI – 110 115.	Member	
4.	Financial Advisor Govt. of India Ministry of Human Resource Development Dept. of Secondary & Higher Education Shastri Bhawan NEW DELHI – 110 115.	Member	
5.	Dr. Dheeraj Kr. Agrawal Electronics & Comm. Engg. MANIT, Bhopal	Member	Asst. Professor

6.	Dr. N.D. Mittal i/c Registrar, MANIT, Bhopal	Member Secretary	

3.3 MEMBERS OF BUILDING WORKS COMMITTEE

1.	Dr. N.S. Chaudhari MANIT, Bhopal	Chairman	Director
2.	Director (NIT) Govt. of India, Ministry of Human Resource Development Dept. of Higher Education Shastri Bhawan NEW DELHI	Member	
3.	Director (IFD) Govt. of India Ministry of Human Resource Development Dept. of Secondary & Higher Education Shastri Bhawan NEW DELHI - 110 115.	Special Invitee	
4.	Dr. Dheeraj Kr. Agrawal Electronics & Comm. Engg. MANIT, Bhopal	Member	Asst. Professor
5.	Shri Akhilesh Upadhyay Chief Engineer (Civil) Planning & Administration O/o The Engineer in Chief State PWD, Govt. of Madhya Pradesh	Member	

Nirman Bhawan, Plot No. 27 – 28
Arera Hills
BHOPAL

6.	Shri M.K. Shukla Supdt. Engineer (Elect. Maint.) O/o The Engineer in Chief State PWD, Govt. of Madhya Pradesh Nirman Bhawan, Plot No. 27 – 28 Arera Hills BHOPAL	Member
7.	Superintending Engineer (Civil), CPWD Bhopal Central Circle CPWD, 52-A, Nirman Sadan Behind Govt. of India Press Arera Hills BHOPAL – 462 011.	Special Invitee
8.	Superintending Engineer (Elect.), CPWD Bhopal Central Electrical Circle CPWD, 52-A, Nirman Sadan Behind Govt. of India Press Arera Hills BHOPAL – 462 011.	Special Invitee
7.	Dean (P & D) MANIT, Bhopal	Member
8.	Dr. N.D. Mittal Registrar, MANIT, Bhopal	Member Secretary

3.4 THE SENATE MEMBERS

1.	Dr. N.S. Chaudhari Director	Chairman
2.	Dr. Sanjay Agarwal Professor & Dean (R & D) Department of Computer Engg. & Applications NITTR, Shyamla Hills Bhopal	External Expert
3.	Dr. Nirupama Dubey NanoGen Health Care Pvt. Ltd. Sector-8, Plot No.390 IMT, Manesargurgaon Hariyana	External Expert
4.	All Professors	Member
5.	All Heads of the Departments	Member
6.	Dr. N.D. Mittal Registrar, MANIT, Bhopal	Member Secretary

4.0 THE STAFF

4.1 ACADEMIC STAFF (TEACHING):

S. No.	Name of Faculty	Designation
CIVIL ENGINEERING		
1	Dr. Sushil Kumar	Professor
2	Dr. Rajnish Shrivastava	Professor
3	Dr. Nitin Dindorkar	Professor
4	Dr. Sheo Kumar Dubey	Professor
5	Dr.Anil Kumar Sharma	Professor
6	Dr. Vishnu Prasad	Professor
7	Dr. M.S.Hora	Professor
8	Dr. P.K.Jain	Professor
9	Dr. S.K.Katiyar	Professor
10	Dr. Charu Parashar	Professor
11	Dr. T.S.Deshmukh	Professor
12	Dr. P.K.Agrawal	Professor
13	Dr. Mukul Kulshreshtra	Professor
14	Dr. M.S.Chouhan	Professor
15	Dr. Abhay Sharma	Associate Professor
16	Dr. Suneet Kour	Associate Professor
17	Ms. Harsangeet Kour	Associate Professor
18	Dr. Jyoti Sarup	Associate Professor

19	Dr. M.K.Choudhary	Associate Professor
20	Shri Kamal Singh	Assistant Professor
21	Shri Ajay Thawait	Assistant Professor
22	Shri Raman Nateriya	Assistant Professor
23	Dr. Siddharth Rokade	Assistant Professor
24	Dr. Rakesh Kumar	Assistant Professor
25	Dr.Kishan Dharavath	Assistant Professor
26	Dr.Priyanka Dhurvey	Assistant Professor
27	Dr. Ruchi Khare	Assistant Professor
28	Dr. Vivek Garg	Assistant Professor
29	Shri Neeraj Tiwari	Assistant Professor
30	Dr. Harilal Tiwari	Assistant Professor
31	Dr. Sarvesh Pratap Singh Rajput	Assistant Professor
32	Shri Junaid Raheem	Assistant Professor
33	Shri Kamal Singh	Assistant Professor
ELECTRICAL ENGINEERING		
34	Dr. A.M.Shandilya	Professor
35	Dr.S.K.Bharadwaj	Professor
36	Dr. R.K.Nema	Professor
37	Dr. Yogendra Kumar	Professor
38	Dr. Manisha Dubey	Professor
39	Dr. Shailendra Jain	Professor

40	Dr.Savita Nema	Professor
41	Dr. Tripta Thakur Kulshreshta	Professor
42	Dr. N.P.Patidar	Associate Professor
43	Dr.Sushma Gupta	Associate Professor
44	Dr. Shivcharan Gupta	Associate Professor
45	Dr. Anoop Arya	Assistant Professor
46	Sh. Suresh Kumar Gaware	Assistant Professor
47	Dr. Priyanka Paliwal	Assistant Professor
48	Dr. Pankaj Swarnkar	Assistant Professor
49	Dr. Amit Ojha	Assistant Professor
50	Shri Rishi Kumar Singh	Assistant Professor
51	Dr. Mukesh Kumar Kirar	Assistant Professor
MECHANICAL ENGINEERING		
52	Dr. Geeta Agnihotri	Professor
53	Dr. N.D.Mittal	Professor
54	Dr. G.Dixit	Professor
55	Dr. R.M.Sarvaiya	Professor
56	Dr. A.Rehman Siddiqui	Professor
57	Dr. Siraj Ahmed	Professor
58	Dr. J.L.Bhagoria	Professor
59	Dr. Satish Pal Singh Rajput	Professor
60	Dr. Rajesh Gupta	Associate Professor
61	Dr. Sanjay Soni	Associate Professor
62	Dr. R.K.Mandloi	Associate Professor

63	Dr. R.K.Dwivedi	Associate Professor
64	Dr. Kanshi Ram Aharwal	Associate Professor
65	Dr. Rajesh Purohit	Associate Professor
66	Dr. C.M.Krishna	Associate Professor
67	Dr. Vimlesh Kumar Soni	Assistant Professor
68	Dr. A.M.R.Lanjewar	Assistant Professor
69	Dr. Vilas Warudkar	Assistant Professor
70	Shri Ajay Pandey	Assistant Professor
71	Dr. Pradeep Kumar Soni	Assistant Professor
72	Dr. Amit Kumar Telang	Assistant Professor
73	Dr. Alok Singh	Assistant Professor
74	Dr. Pushyamitra Mishra	Assistant Professor
75	Dr. Manoj Arya	Assistant Professor
76	Dr. Vishal Parashar	Assistant Professor
77	Dr. Ravindra Singh Rana	Assistant Professor
78	Shri Amit Suhane	Assistant Professor
79	Dr. Akhilesh Soni	Assistant Professor
80	Dr. Manish Vishwakarma	Assistant Professor
81	Dr. Arvind Kumar	Assistant Professor
82	Dr.Mohan Kumar Pradhan	Assistant Professor
83	Dr. Ajay Verma	Assistant Professor
MATERIAL SCIENCE & METALLURGICAl ENGINEERING		

84	Dr. Sanjay Shrivastava	Associate Professor
85	Mr. C. Sasi Kumar	Assistant Professor
CHEMICAL ENGINEERING		
86	Dr. Modhera Bharat Kumar K	Assistant Professor
87	Dr. S. Suresh	Assistant Professor
88	Dr. Sunder Lal	Assistant Professor
ELECTRONICS & COMMUNICATION ENGINEERING		
89	Dr. M.K.Gupta	Professor
90	Dr. Aditya Goel	Professor
91	Dr. Ajay Somkuwar	Professor
92	Dr. Madhu Shandilya	Professor
93	Dr. R.K.Baghel	Professor
94	Dr. Arvind Rajawat	Professor
95	Dr. Kavita Khare	Professor
96	Dr. Jyoti Singhai	Professor
97	Dr. R.N.Yadav	Professor
98	Sh. Jigyendra Sen Yadav	Associate Professor
99	Mrs. Laxmi Pradhan	Assistant Professor
100	Dr. Alpana Pandey	Assistant Professor
101	Dr. Sangeeta Nakhate	Assistant Professor
102	Dr. Bhavana Prakash Shrivastava	Assistant Professor
103	Dr. Lalita Gupta	Assistant Professor
104	Dr.Dheeraj Kumar Agarwal	Assistant Professor

105	Shri. Tarun Kumar Gupta	Assistant Professor
106	Dr. D.K.Raghuvanshi	Assistant Professor
107	Dr. Vijayshri Chourasia	Assistant Professor
108	Dr. Om Prakash Meena	Regular Contract
COMPUTER SCIENCE		
109	Dr. Meenu Chawla	Professor
110	Dr.Praveen Koushik	Assistant Professor
111	Shri Manish Pandey	Assistant Professor
112	Smt. Khetwat Saritha	Assistant Professor
113	Shri Bholanath Roy	Assistant Professor
114	Ms. Sweta Jain	Assistant Professor
115	Dr. Deepak Singh Tomar	Assistant Professor
116	Dr. Akhtar Rasool	Assistant Professor
117	Dr. Jaytrilok Choudhary	Assistant Professor
DEPARTMENT OF INFORMATION TECHNOLOGY		
118	Dr. Lavit Rawtani	Professor
119	Shri Vasudev Dehalwar(Study leave)	Associate Professor
120	Dr. R.K.Pateria	Associate Professor
121	Dr. Nilay Khare	Associate Professor
122	Dr. Jyoti Bharti	Assistant Professor
123	Dr. M.Gyanchandani	Assistant Professor
124	Dr. Rajesh Wadhwani	Assistant Professor
125	Dr. Sanyam Shukla	Assistant Professor
126	Dr. Dhirendra Pratap Singh	Assistant Professor
127	Dr. Namita Tiwari	Assistant Professor

ARCHITECTURE & PLANNING		
128	Dr.Ashutosh Sharma	Professor
129	Dr. Alka Bharat	Professor
130	Dr Rekha Jain	Professor
131	Dr. Manmohan Kapshe	Professor
132	Dr. Anupama Sharma	Professor
133	Dr.K.K.Dhote	Professor
134	Dr. Yogesh Kumar Garg	Professor
135	Mrs. Savita Sabherwal Raje	Associate Professor
136	Dr. Sonia Taneja	Associate Professor
137	Dr. Nakul Dhagat	Associate Professor
138	Dr Charumitra Kapshe	Associate Professor
139	Dr.Jagdish Singh	Associate Professor
140	Dr. Vinay Mohan Das	Associate Professor
141	Dr. Rajat Soni	Assistant Professor
142	Mrs. Seemi Ahmed	Assistant Professor
143	Dr. Preeti Onkar	Assistant Professor
144	Dr. Anuj Jaiswal	Assistant Professor
145	Dr. Supriya Vyas	Assistant Professor
146	Dr. Rajshree Kamat	Assistant Professor
147	Dr. Navneet Munoth	Assistant Professor
BIO-INFORMATICS		
148	Dr. Kiran Singh	Professor
149	Dr. Rahul M.Shrivastava	Associate Professor

150	Dr. Khushhali Menaria	Assistant Professor
MATHEMATICS DEPARTMENT		
151	Dr. K.R.Pardasani	Professor
152	Dr. Namita Shrivastava	Professor
153	Dr. Madhvi Shakya	Associate Professor
154	Dr. Usha Chouhan	Assistant Professor
155	Dr. Chandan Kumar Verma	Assistant Professor
156	Shri Manoj Jha	Assistant Professor
157	Dr.Jai Prakash Jaiswal	Assistant Professor
PHYSICS		
158	Dr. M.M. Malik	Professor
159	Dr. Rajnish Kurchania	Associate Professor
160	Ms. Fozia Zia Haque	Assistant Professor
CHEMISTRY		
161	Dr. Alok Mittal	Professor
162	Dr. Savita Dixit	Professor
163	Dr. Amit Dubey	Associate Professor
HUMANITIES & SOCIAL SCIENCES		
164	Dr. Vinita Mohindra	Associate Professor
165	Dr. Shuchi Srivastava	Associate Professor
166	Dr. Pushpendra Yadav	Assistant Professor
MANAGEMENT STUDIES		
167	Dr. Amit Banerji	Associate Professor
168	Dr. Bikrant Kesari	Assistant Professor
169	Dr. Priyanka Verma	Assistant Professor

170	Dr. Varsha Rokade	Assistant Professor
171	Dr. Gyaneshwar Singh Kushwaha	Assistant Professor
172	Dr. Anjuli Jain	Regular Contract
173	Dr. Hargovind Singh	Regular Contract
ENERGY CENTRE		
174	Dr. Saroj Rangnekar	Professor
175	Dr. Arvind Mittal	Associate Professor
176	Dr. Prashant V. Baredkar	Associate Professor
177	Mrs.Archana Soni	Associate Professor
178	Ms. Kavita Gidwani	Assistant Professor
179	Dr. Meena Agrawal	Assistant Professor
180	Dr. Anil Kumar	Assistant Professor
181	Dr. K.Sudhakar	Assistant Professor
DEPARTMENT OF COMPUTER APPLICATION		
182	Dr. Sanjay Sharma	Professor
183	Dr. Sujoy Das	Associate Professor
184	Dr. Ramjeevan Singh Thakur	Associate Professor
185	Dr. Amit Bhagat	Assistant Professor
186	Dr. G.S.Thakur	Assistant Professor
TRAINING & PLACEMENT		
187	Dr. Aruna Saxena	TPO

4.2 STAFF POSITION (Teaching & Non- Teaching)

The details of the statistical information of all categories of staff giving names and numbers os sanctioned posts, those in position and vacancies on 30.06.2016, are given below:

Sl. No.	Name of Post	Sanctioned Post	In Position	Vacant
I	**FACULTY**	**355**	**187**	**168**
1	Professor	49	57	-8
2	Associate Professor	102	39	63
3	Assistant Professor	204	91	113
II	**NON FACULTY**	**390**	**287**	**103**
B)	**ADMINISTRATIVE STAFF**	**35**	**12**	**24**
1	Director	1	1	0
2	Registrar	1	1	0
3	Deputy Registrar	3	0	3
4	Assistant Registrar	8	4	4
5	Librarian	1	0	1
6	Deputy Librarian	1	0	1
7	Assistant Librarian	2	1	1
8	Senior SAS Officer	1	0	1
9	SAS Officer	1	2	-1
10	Principal Technical Officer	1	0	1
11	Senior Technical Officer	2	0	2
12	Technical Officer	4	0	4

13	Superintendent Engineer	1	0	1
14	Executive Engineer	1	0	1
15	Executive Engineer	2	2	0
16	Senior Medical Officer	1	1	0
17	Medical Officer	3	0	3
18	Security Officer	2	0	2
A	Group –B	120	27	93
(i)	**MINISTERIAL STAFF**	**13**	**04**	**09**
1	Sr. Superintendent SG-II	4	0	4
2	Sr. Superintendent	7	0	7
3	Sr. Secretary	1		-2
4	Secretary	1	1	0
(ii)	**TECHNICAL STAFF**	**107**	**23**	**84**
1	Technical Assistant SG-II	10	0	10
2	Senior Technical Assistant	21	16	5
3	Assistant Executive Engineer	7	0	7
4	Assistant Engineer	14	3	11
5	Junior Engineer	21	0	21
6	Pharmacist SG-II	1	0	1
7	Senior Pharmacist	1	0	1
8	Technical Assistant	32	4	28
B	**Group –C**	**235**	**248**	**-13**
(i)	**MINISTERIAL STAFF**	**75**	**85**	**-10**

1	Superintendent	15	53	-38
2	Senior Assistant	19	18	1
3	Junior Assistant	28	14	14
4	Assistant SG-II	10	0	10
5	Senior Stenographer	1	0	1
6	Stenographer	2	0	2
(ii)	**TECHNICAL STAFF**	**107**	**51**	**56**
1	Senior Technician	34	6	28
2	Pharmacist	1	1	0
3	Laboratory Assistant	32	41	-9
4	Technician SG-II	18	0	18
5	Work Assistant	22	3	19
(iii)	**ATTENDANT**	**53**	**112**	**-59**

5.0 ACADEMIC PROGRAMMES:

5.1 COURSES OFFERED:

The sanctioned intake and admitted strength of UG for the session 2015-16

(A) Under Graduate

S.No.	Name of Course	Sanctioned Intake (2015-16)	Admitted Intake (2015-16)
1.	Civil Engineering	92	104
2.	Mechanical Engineering	170	191
3.	Electrical Engineering	108	108
4.	Electronics & Communication Engineering	139	148
5.	Computer Science & Engineering	184	208
6.	B. Architecture	80	75
7.	Material Science & Metallurgical Engineering	62	55
8.	Chemical Engineering	62	62
9.	B. Planning	40	28
	TOTAL	**937**	**979**

Note : **Note** : In addition to the above sanctioned intake 15% through DASA scheme and 10% foreign quota = Total 25%.

The sanctioned intake and admitted strength of PG for the session 2015-16 :

(B) Post Graduate

s. No.	Name of Course	Sanctioned Intake (2015-16)	Admitted Intake (2015-16)
1.	Engineering Materials	18	17

2.	Stress & Vibration Analysis	18	17
3.	Structural Engineering	18	18
4.	Environmental Engineering	18	18
5.	Geotechnical Engineering	18	16
6.	Hydro Power Engineering	18	13
7.	Transportation Engineering	18	18
8.	Water Resources Engineering	18	14
9.	Geoinformatics	18	07
10.	Digital Communication	18	16
11.	VLSI & Embedded Systems	18	18
12.	Electrical Drives	18	17
13.	Power System Engineering	18	17
14.	Thermal Engineering	18	17
15.	Industrial Design	18	17
16.	Maintenance Engineering	18	16
17.	Materials Science & Technology	18	13
18.	Information Security	18	16
19.	Advanced Computing	18	14
20.	Computer Networking	18	19
21.	Renewable Energy	18	16
22.	Green Technology	18	12
23.	Biotechnology	18	10
24.	Chemical Process Design	18	13
25.	Nanotechnology	18	14
26.	Bio-informatics	18	08

27.	Computation & System Bioinformatics	18	05
28.	Urban Development Planning	18	09
29.	Housing	18	11
	TOTAL	**522**	**416**
1.	Master Of Computer Application (MCA)	92	87
2.	Master Of Business Administration (MBA)	92	54
	TOTAL	**184**	**141**

5.2 ADMISSION PROCEDURE

Under Graduate Course (B.Tech./B.Arch.) :

Admission is based on the relative performance in the Joint Entrance Examination (Main) conducted by the Central Board of Secondary Education (CBSE) as per directions issued by the MHRD, New Delhi from time to time. The candidates should have successfully passed 10+2 examination with the combination of subjects prescribed by AICTE, New Delhi, for respective discipline.

Post Graduate Course
(M.Tech./MUDP)

The admission is based on the merit of GATE (Graduate Aptitude Test for Engineering) Score and is done through Centralized Counselling for M.Tech. conducted by the coordinating NIT as per direction of MHRD, New Delhi.

Master of Computer Application:

Admission based on the relative merit of all India MCA Common Entrance Test (NIMCET) conduct by the coordinating NIT as per the directions of MHRD, New Delhi.

MBA

The admission is based on merit prepared on the basis of CAT/GMAT Score (70% weightage), Group discussion (20% weightage) and personal interview (10%).

5.3 COURSE WISE ENROLMENT WITH SEX, CASTE BREAK-UP

Course wise enrolment of students with sex, caste breakup for the session 2015-16.

First to Final Year B.Tech./B.Arch./B.Planning/MCA/M.Tech./MBA(FT) in the year 2015-16.

UNDER GRADUATE:

1st year B. Tech. /B. Arch.

Branch	General		SC		ST		OBC		Total
	M	F	M	F	M	F	M	F	
Civil Engineering	50	07	13	00	05	02	27	00	104
Mechanical Engineering	104	00	22	02	12	00	50	01	191
Electrical Engineering	42	11	13	03	06	02	28	03	108
Electronics & Communication Engineering	54	26	14	06	07	03	27	11	148
Computer Science & Engineering	70	41	20	09	13	01	43	11	208
B. Architecture	15	18	12	01	04	02	16	07	75
Material Science & Metallurgical Engineering	20	03	04	04	05	01	16	02	55

Chemical Engineering	29	04	07	01	02	01	12	06	62
B. Planning	04	07	03	01	02	01	09	01	28
Total	388	117	108	27	56	13	228	42	979

2nd year B. Tech. /B. Arch.

Branch	**General**		**SC**		**ST**		**OBC**		**Total**
	M	F	M	F	M	F	M	F	
Civil Engineering	49	06	12	02	06	02	25	02	104
Mechanical Engineering	100	01	27	00	11	01	48	00	188
Electrical Engineering	36	16	13	02	07	01	30	01	106
Electronics & Communication Engineering	53	27	13	07	09	01	28	09	147
Computer Science & Engineering	82	38	25	03	12	00	43	07	210
B. Architecture	21	18	08	04	03	03	16	06	79
Material Science & Metallurgical Engineering	15	10	08	02	04	02	15	04	60
Chemical Engineering	20	10	05	03	02	02	14	04	60
B. Planning	01	17	02	03	04	00	06	04	37
Total	377	143	113	26	58	12	225	37	991

3rd year B.Tech./B.Arch.

Branch	General		SC		ST		OBC		Total
	M	F	M	F	M	F	M	F	

Civil Engineering	34	11	11	03	06	02	22	02	91
Mechanical Engineering	103	01	26	00	12	00	46	03	191
Electrical Engineering	40	11	13	04	08	00	26	07	109
Electronics & Communication Engineering	52	27	18	02	10	00	29	08	146
Computer Science & Engineering	79	26	21	06	09	03	47	04	195
B. Architecture	10	19	08	03	01	02	16	14	73
Material Science & Metallurgical Engineering	17	11	07	03	06	00	13	02	59
Chemical Engineering	24	06	06	02	03	01	18	01	61
B. Planning	07	11	07	00	03	00	08	02	38
Total	366	123	117	23	58	8	225	43	963

4th Year B.Tech./B.Arch.

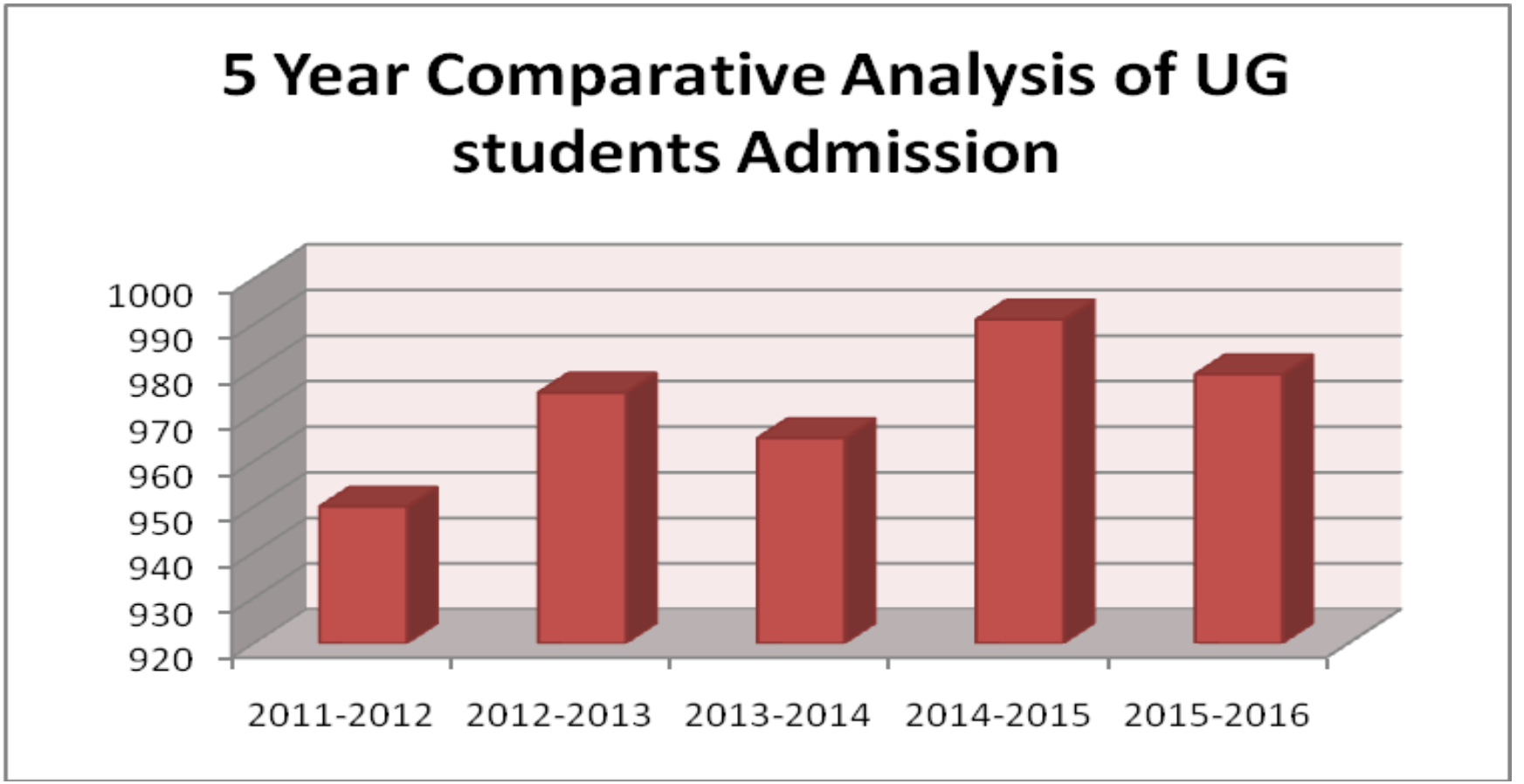
Branch	General		SC		ST		OBC		Total
	M	F	M	F	M	F	M	F	
Civil Engineering	49	06	14	--	08	--	23	01	101
Mechanical Engineering	97	01	26	--	12	--	46	--	182
Electrical Engineering	45	02	13	03	08	--	27	03	107
Electronics & Communication Engineering	52	25	18	02	05	05	31	06	144

Computer Science & Engineering	77	32	20	08	10	03	43	08	201
B. Architecture	22	16	07	04	04	02	17	07	79
Material Science & Metallurgical Engineering	24	06	07	02	04	02	15	--	60
Chemical Engineering	20	12	07	01	02	01	17	01	61
B. Planning	13	07	04	02	03	01	06	04	40
Total	399	107	116	22	56	14	225	30	975

5th year B.Tech./B.Arch.

Branch	General		SC		ST		OBC		Total
	M	F	M	F	M	F	M	F	
Architecture	33	26	13	04	06	01	24	06	113
Total	33	26	13	04	06	01	24	06	113

5 Year Comparative Analysis of Admitted Strength of Under Graduate Students



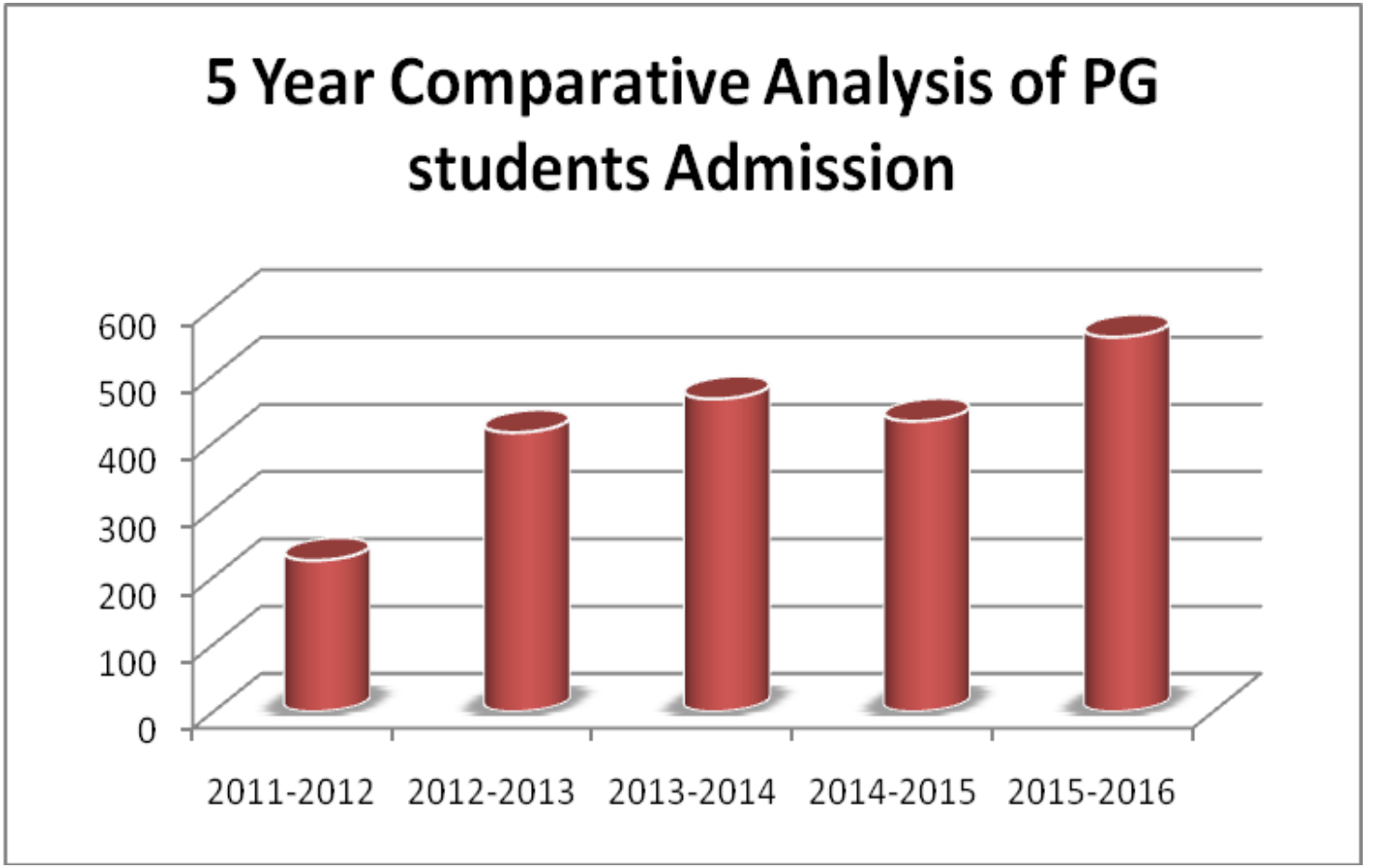
POST GRADUATE

I Year Master Of Technology									
Branch	**General**		**SC**		**ST**		**OBC**		**Total**
	M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	
Engineering Materials	04	02	03	00	01	07	00	00	17
Stress & Vibration Analysis	07	00	03	00	02	00	05	00	17
Structural Engineering	08	00	01	01	01	00	07	00	18
Environmental Engineering	05	00	03	00	01	00	08	01	18
Geotechnical Engineering	04	00	01	01	02	00	08	00	16
Hydro Power Engineering	06	00	02	00	01	00	03	01	13
Transportation Engineering	09	00	02	00	01	00	06	00	18
Water Resources Engineering	06	02	03	00	01	00	02	00	14
Geoinformatics	04	02	00	00	00	00	00	01	07
Digital Communication	04	01	01	03	00	01	06	00	16
VLSI & Embedded Systems	04	02	02	00	01	01	04	04	18
Electrical Drives	04	01	02	00	01	00	08	01	17
Power System Engineering	05	00	03	00	02	00	05	02	17
Thermal Engineering	06	01	03	00	01	00	06	00	17
Industrial Design	08	00	03	00	01	00	05	00	17
Maintenance Engineering	06	00	02	00	02	00	06	00	16
Materials Science & Technology	04	00	01	00	00	00	08	00	13
Information Security	03	03	02	01	00	01	05	01	16
Advanced Computing	03	02	03	00	02	00	03	01	14
Computer Networking	04	01	02	00	01	02	04	05	19

Renewable Energy	04	00	04	00	00	00	08	00	16
Green Technology	04	02	02	02	00	01	01	00	12
Biotechnology	00	05	02	01	00	00	00	02	10
Chemical Process Design	03	02	01	01	00	00	05	01	13
Nanotechnology	03	02	03	01	00	01	04	00	14
Bio-informatics	01	04	01	00	00	00	01	01	08
Computation & System Bioinformatics	01	03	01	00	00	00	00	00	05
Urban Development Planning	04	00	01	00	00	00	03	01	09
Housing	04	02	03	00	01	00	01	00	11
Total	128	37	60	11	22	14	122	22	416
2nd year Master of Technology									
Branch	**General**		**SC**		**ST**		**OBC**		**Total**
	M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	
Engineering Materials	05	04	00	03	00	01	03	01	17
Stress & Vibration Analysis	08	01	02	00	01	00	05	00	17
Structural Engineering	05	00	03	00	01	00	08	00	17
Environmental Engineering	03	06	01	01	00	01	02	03	17
Geotechnical Engineering	07	01	01	01	01	00	03	01	15
Hydro Power Engineering	09	00	02	00	00	00	05	00	16
Transportation Engineering	07	01	01	01	00	00	04	01	15
Water Resources Engineering	06	01	02	00	01	00	03	00	13
Geoinformatics	03	01	03	00	01	00	03	01	12
Digital Communication	07	01	03	00	01	00	05	00	17

VLSI & Embedded Systems	06	02	02	00	00	01	04	00	15
Electrical Drives	08	00	00	00	01	00	04	00	13
Power System Engineering	05	02	00	01	00	01	04	01	14
Thermal Engineering	09	00	03	00	01	00	05	00	18
Industrial Design	08	01	03	00	00	00	05	00	17
Maintenance Engineering	08	01	03	00	00	00	05	00	17
Materials Science & Technology	08	00	02	01	00	00	03	01	14
Information Security	06	02	03	00	02	00	02	02	17
Advanced Computing	05	04	00	03	00	01	03	01	17
Computer Networking	05	03	01	01	02	00	02	02	16
Renewable Energy	07	02	03	00	00	00	04	01	17
Green Technology	08	00	03	00	00	01	03	02	17
Biotechnology	03	06	01	00	00	00	02	02	14
Chemical Process Design	02	03	01	01	00	00	01	00	08
Nanotechnology	04	02	00	01	00	01	04	00	12
Bio-informatics	04	04	02	01	00	01	02	01	15
Computation & System Bioinformatics	02	06	01	01	00	00	02	00	12
Urban Development Planning	08	01	01	00	00	00	01	01	12
Housing	03	03	03	00	00	00	02	00	11
Total	169	58	50	16	12	8	99	21	432

5 Year Comparative Analysis of Admitted Strength of Post Graduate Students



MASTER OF COMPUTER APPLICATION

1st year Master of Computer Application

Branch	General		SC		ST		OBC		Total
	M	F	M	F	M	F	M	F	
MCA	26	19	08	05	04	03	13	09	87

2nd year Master of Computer Application

Branch	General		SC		ST		OBC		Total
	M	F	M	F	M	F	M	F	
MCA	27	16	10	04	01	01	17	06	82

3rd year Master of Computer Application

Branch	General		SC		ST		OBC		Total
	M	F	M	F	M	F	M	F	
MCA	16	22	11	02	01	04	22	04	82

MASTER OF BUSINESS ADMINISTRATION

1st year Master of Business Administration

Branch	General		SC		ST		OBC		Total
	M	F	M	F	M	F	M	F	
MBA	14	17	08	03	00	00	07	05	54

2nd year Master of Business Administration

Branch	General		SC		ST		OBC		Total
	M	F	M	F	M	F	M	F	
MBA	19	26	03	01	00	00	06	06	61

5.4 ADMISSION STATISTICS – UG-PG PROGRAMMES, COURSE-WISE

Details of admission to various courses/ degrees for the session 2015-16

S.No	Course/ Degree	Total Seats	In Position out of Total Filled							
		Sanctioned/ Approved	Filled	Gen	OBC	SC	ST	PWD	Total	Vacant
	UG	937	979	496	133	69	258	23	979	--
	PG	522	416	163	70	36	143	04	416	106
	Ph.D.	--	05	05	00	00	00	00	05	--
	MBA	92	54	31	11	00	12	00	54	38
	MCA	92	87	45	13	07	22	00	87	05

5.5 TOTAL STRENGTH OF STUDENTS

	SC		ST		OBC		General		Total	
	Boys	**Girls**	**Boys**	**Girls**	**Boys**	**Girls**	**Boys**	**Girls**	**Boys**	**Girls**
UG	467	102	234	48	927	158	1563	490	3191	798
PG	150	42	40	30	286	73	399	195	875	340
Total	617	144	274	78	1213	231	1962	685	4066	1138

Details of Ph.Ds

Discipline wise admission of Ph.D. students in the institute during the year 2015-16

S.No.	Department	With fellowship (Full Time)	Without Fellowship
		Number of Students	Number of Students
1.	Electronics & Communication Engineering	00	01
2.	Energy	00	01
3.	Humanities	01	00
4.	Mechanical	00	01
5.	Computer Science & Engineering	00	01
	TOTAL	**01**	**04**

5.6 TEACHING, EXAMINATION AND EVALUATION SYSTEM:

5.6.1 Number of Semester, Maximum Duration and Academic Requirements for Post Graduate Courses

The following table lists the maximum duration allowed in the programme, and credits requirements for post-graduation in the various programmes.

Name of Programme	**Number of Semester Required**	**Maximum Duration Allowed to complete the program**
M.Tech.	4 Semester	4Years
MBA	4 Semester	4 Years
MCA	6 Semester	6 Years

No student who has completed the prescribed maximum duration in the programme shall be allowed to register in the subsequent semester unless he/she has been granted extension of the programme by the Chairman Senate on the recommendations of the HOD and Dean (Academic Affairs).

5.6.2 Evaluation process for M.Tech./MCA/MBA

Theory paper

End term Examination (Duration 180 minutes) Maximum marks	Mid term Continuous Evaluation			Total Marks (Theory)
	Distribution		Total	
60	Minor I	20		
	Innovative work/ Assignment	20	40	100

Practical

End Term Examination (Duration 120 minutes) Maximum marks	Continuous Evaluation (Practical)			Total Marks (Practical)
	Distribution		Total	
60	Laboratory/ workshop work	20		
	Mid term Submission & viva	20	40	100

Evaluation process for M.Plan

End term examination (180 minutes duration) Maximum marks (Theory)	Mid term Continuous Evaluation			Total Marks (Theory)
	Distribution		Total	
40	Mid term examination (90 minute duration)	20	60	100
	Studio, Viva & Assignment	40		

For promotion in next higher classes (II/III years), required Cumulative Grade point average (CGPA) at the end of even semester is 4.0, and CGPA for completion of course is also 4.0. Further the student must complete the M.Tech and M.Plan programme in a maximum of 4 years and MCA. in 6 years.

5.6.3 Academic Performance Requirement

(i) The minimum SGPA requirement for continuing in the programme or for post graduation is 4.0 for M.Tech./M.Plan/MBA and 6.0 for MCA.

(ii) If a M.Tech./M.Plan/MBA/MCA student secures a CGPA 4.0, he/she may be allowed to continue in the following semester on the recommendation of the DPGC and with the approval of the Chairman senate.

(iii) A student will not be allowed to continue in the M.Tech./M.Plan/MBA/MCA. programme if:

(a) His/her CGPA is below 4.0 in two consecutive semester.
(b) He/she obtains more than two F in the same or different courses.
(c) He/she accumulates three or more F grades before the start of the final semester/thesis.

However, those who have completed course work and CGPA is less than 4.0 or discontinued from the course, diploma in the course can be awarded by the recommendation of the chairman, senate.

(iv) The DPGC will keep a watch on the progress of every student and whenever a student fails to meet the requirements will intimate the Dean (Academic Affairs) who can start the termination procedure. If a student's program is terminated, the Head of the Department will issue the letter of termination with consultation of Dean (Academic Affairs) through Controller of examination (COE).

Maximum credit point average, CGPA required for M.Tech/M.Plan degree is 90 credits, for MCA it is 150 credits and for MBA it is 100 credits.

The provisions of conducting the revaluation of answer books and supplementary examinations are completely abolished.

5.6.4 Teaching

The medium of instructions/ evaluation etc. shall be English. Every course comprises specific Lecture-Tutorial- Practical (L-T-P) schedule. For lectures of one period (55 minutes duration) is assigned one credit where as tutorial and Practical has only 0.5 credit per period. Usually three lectures are assigned for one theory subject and most of the practical classes are of two periods duration. Each course, along with its weightage in terms of units, shall require approval of the Board of Studies and approval from the senate. Only approved courses can be offered during any semester. The theory courses are in three category namely, departmental core subject, departmental electives and open electives. The registration of open electives can be opted by students of any branch, with the consultation of the students' advisor. Each approved course, whenever offered in any semester, shall be conducted by the assigned faculty in charge with the assistance of the required number of faculty/tutors. The faculty in charge shall be responsible for conducting the course, holding the examinations, evaluating the performance of the student and awarding the grades at the end of the semester.

5.6.5 Evaluation process for B.Tech, B.Arch and B.Plan

In each semester, there shall be normally one mid term examination and one end examination. As far as possible, all the examinations shall be conducted during the announced examination periods in the academic calendar. Each student, registered for a course, shall be awarded marks by the concerned faculty in charge. The marks awarded to a student depend upon his performance in

various examinations Laboratory works/ innovative works/ assignment etc. The marks to be used to award their relative letter grades and grade index.

5.6.6 Evaluation process for B.Tech

Theory paper

End term examination (180 minutes duration) Maximum marks	Mid term Continuous Evaluation			Total Marks (Theory)
	Distribution		Total	
60	Mid term examination (90 minute duration) Quiz /Mini test Innovative work/ Assignment	20 10 10	40	100

Practical

End Term examination (120 minutes duration)	Continuous Evaluation (Practical)			Total Marks (Practical)
Maximum marks	Distribution		Total	
60	Laboratory/ workshop Work/ Mid term examination	20		
	Submission & viva	20	40	100

Evaluation process for B.Plan/ B.Arch

End term examination (180 minutes duration)	Mid term Continuous Evaluation			Total Marks (Theory)
Maximum marks (Theory)	Distribution		Total	
40	Mid term examination (90 minute duration) Studio, Viva & Assignment	20 40	60	100

Continuous evaluation system has been adopted along with credit and grading system as per the prevalent practice in various IIT's and other institutes of higher studies

5.6.7 Credits, Grades, Semester and Cumulative Grade Performance Average

To clear a particular subject the required grade and grade point for **B.Tech, B.Arch and B.Plan** is D (4.0) . For promotion in next higher classes (III/IV/V years), required Cumulative Grade point average (CGPA) at the end of even semester is 4.0, and subsequently GGPA for completion of course is also 4.0, further the student must complete the B.Tech and B.Plan programme in a maximum of 6 years and B. Arch. in 7 years.

To qualify the four years B.Tech degree course, a student has to complete minimum 174 credits where as for four year B.Plan degree course minimum requirement is 184 credits and for five year B.Arch degree course minimum requirement is 230 credits.

5.6.8 Credits, Grades, Semester and Cumulative Grade Performance Average

(i) In each course a student is registered, he/she earns certain approved credits and is awarded a letter grade indicating his/her overall performance in that course. There are seven letter grades: A^+ , A, B^+, B, C, D and F. The minimum passing grade in a subject is D. Their equivalent numeric values are given in the following table.

(ii) F grade is treated as Fail grade. Any student getting this grades will have to appear in the examination again whenever it is scheduled by the institute. A student cannot be allowed to have F grade in more than two subjects in one semester. Also he/she has to improve this grade in maximum two consecutive attempts.

Letter Grades	Grade Points	Description of Performance
A^+	**9.0 to 10**	**Outstanding**
A	**8.0 to 8.99**	**Excellent**
B^+	**7.0 to 7.99**	**Very Good**
B	**6.0 to 6.99**	**Good**
C	**5.0 to 5.99**	**Average**
D	**4.0 to 4.99**	**Satisfactory**
F	**< 4.0**	**Fail**

5.6.9 Computation of the Semester Grade Performance Average (SGPA) and Cumulative Grade Performance Average (CGPA)

The SGPAand CGPA is an indicator of the overall academic performance of a student in all the courses he/she has registered during a given semester/year.

Similarly, the GGPA indicates the cumulative academic performance in all the courses/subjects taken during the entire stay in the institute.

Formula for calculation of SGPA,CGPA,GGPA

SGPA: $= \frac{\sum(\text{number of credits earned in each subject x grade points for respective subject})}{\text{Total number of credits in that semester}}$

CGPA= Mean of odd and even semester SGPA's

GGPA= Mean of all CGPA's

The course credits and thesis/project credits will be shown separately in the final grade card with overall GGPA. In case a student is clearing any fail subject, the new grade obtained will replace the older one while calculating the overall SGPA/CGPA/GGPA.

The final grade index and grade shall be displayed in Institute web site and student can approach the concerned subject coordinator (s) for any clarifications within one week of the announcement of the grades. The process of evaluation shall be transparent and the students shall be made aware of all the

factors included in the evaluation. In case of any corrections, the subject coordinators (s) shall have to incorporate the same before finalizing the grade and printing the mark list.

5.7 MEDAL DETAILS

Over all Topper ALOK KUMAR MISHRA, 121113003 B.Tech. ELECTRICAL ENGINEERING GGPA 9.78 **(13th Convocation)**

Gold & Silver medals for I & II Position holders in the final year of B.Tech.(all branches), B.Arch, & MCA for the session 2015-2016

INSTITUTE TOPPER (UG) GOLD MEDAL SESSION 2015-2016

COURSE-BRANCH	SCHOLAR NO.	NAME	GGPA
B.Tech. ELECTRICAL ENGINEERING	121113003	ALOK KUMAR MISHRA	9.78

Gold Medal Recipients Session 2015-16 (13th Convocation)

S.No	Course –BRANCH	Sch. No.	Name	GGPA	Position
1.	B.Tech CIVIL ENGINEERING	121111013	ANJANEY SUMAN	9.08	1st
2.	B.Tech MECHANICAL ENGINEERING	121116049	VIVEK KUMAR DUBEY	9.23	1st
3.	B.Tech . ELECTRICAL ENGINEERING	121113003	ALOK KUMAR MISHRA	9.78	1st
4.	B.Tech. ELECTRONICS &COMMUNICATION ENGINEERING	121114105	ASHUTOSH SHUKLA	9.14	1st
5.	B.Tech. COMPUTER SCIENCE & ENGINEERING	121112207	SHANKUL KHARE	9.59	1st
6.	B.Tech CHEMICAL ENGINEERING	121116328	SAPNIL JAIN	9.33	1st
7.	B.Tech MATERIAL SCIENCE AND METALLURGICAL ENGINEERING	121101115	MASTRAM HATHESH	8.89	1st
8.	B. PLANNING	121110201	HARSHITA THAKARE	8.81	1st
9.	B. ARCHITECTURE	111110220	TANYA KAUR BEDI	8.66	1st
10.	MASTER OF COMPUTER APPLICATIONS	132120024	ANMOLJEET KAUR	9.45	1st
11.	MASTER OF BUSINESS ADMINISTRATION	142121013	MINCY SKARIA	8.83	1st

Silver Medal Recipients Session 2015-16 (13th Convocation)

S.No.	Courses	Sch. No.	Name	GGPA	Position
1.	B.Tech CIVIL ENGINEERING	121111104	SURABHI AGARWAL	8.98	2nd
2.	B.Tech MECHANICAL ENGINEERING	121116077	ADESH AGRAWAL	9.12	2nd

3.	B.Tech. ELECTRICAL ENGINEERING	121113004	PRINCE YADAV	9.15	2nd
4.	B.Tech. ELECTRONICS & COMMUNICATION ENGINEERING	121114057	PRACHI JAIN	9.13	2nd
5.	B.Tech. COMPUTER SCIENCE & ENGINEERING	121112208	VANYA DHARNI	9.30	2nd
6.	B.Tech CHEMICAL ENGINEERING	121116307	YOSHITA GUPTA	9.19	2nd
7.	B.Tech MATERIAL SCIENCE AND METALLURGICAL ENGINEERING	121101105	RASHI KORJANI	8.88	2nd
8.	B. PLANNING	121110219	SUKANYA KONER	8.25	2nd
9.	B. ARCHITECTURE	111110108	PANKAJ KUMAR SAHU	8.57	2nd
10.	MASTER OF COMPUTER APPLICATIONS	132120018	SAUMYADEEP TARAFDAR	9.33	2nd
11.	MASTER OF BUSINESS ADMINISTRATION	142121041	MANSI SAXENA	8.65	2nd

Sponsored Medal Recipients Session 2015-16 (13th Convocation)

S.No.	Sponsored by	Category	Sch. No.	Name	Branch
1.	Prof. H.L.Kapoor Gold Medal	Highest marks in Chemistry	121113003	ALOK KUMAR MISHRA	Electrical Engg.
2.	Dr. H.B.Khurasia Gold Medal	Overall meritorious girl student	121116328	SAPNIL JAIN	Chemical Engg.
3.	Chandra Prakash Shukla Memorial	MBA Topper	142121013	MINCY SKARIA	MBA
4.	Kuttan Memorial Gold Medal	Overall topper of the Institute	121113003	ALOK KUMAR MISHRA	Electrical Engg.
5.	Arpit Goyal Memorial Gold Medal	Topper in Computer Sc. Engg.	121112207	SHANKUL KHARE	CSE

List of Ph.D Scholar's to be awarded Degree in the XIII convocation

S.No.	Scholar No.	Name of Student	Department
1.	093110001	Arti Jaiswal	Architecture & Planning
2.	083210104	Pankaj Singh	Architecture & Planning
3.	113110002	Neelam Soni	Architecture & Planning
4.	123104001	Shikha Jaiprakash Dixit	Biological Science & Engg.
5.	123102002	G. Robin Wilson	Chemistry
6.	123111101	Kundan Meshram	Civil Engineering
7.	123111103	Yogita Gupta	Civil Engineering
8.	123111102	Minakshi Shrivastava	Civil Engineering
9.	093206103	Rekha Vaidyanathan	Computer Applications
10.	113206107	Amita Jain	Computer Applications
11.	123106102	Dipti Chauhan	Computer Applications
12.	123206103	Brijesh Bakariya	Computer Applications
13.	113212113	Shaheen Ayyub	Computer Science & Engineering
14.	113212103	Dhan Pratap Singh	Computer Science & Engineering
15.	083213106	Suresh Kumar Gawre	Electrical Engineering

16.	113113102	Lalit Kumar	Electrical Engineering
17.	123113102	Aashish Kumar Bohre	Electrical Engineering
18.	113213106	Sachin Tiwari	Electrical Engineering
19.	123214101	Rahul Dubey	Electronics and Communication Engg.
20.	123114103	Satrughan Kumar	Electronics and Communication Engg.
21.	083214103	Neelesh Mehra	Electronics and Communication Engg.
22.	093214108	Indira Rawat	Electronics and Communication Engg.
23.	123213203	Vikas Khare	Energy
24.	093216006	Pravin Kumar	Mechanical Engineering
25.	113216003	Neeraj Dubey	Mechanical Engineering
26.	123116001	Sandeep Jaiswal	Mechanical Engineering
27.	093216004	Deepak Paliwal	Mechanical Engineering
28.	123201101	S.K. Nayak	Mechanical Engineering
29.	123216004	Shankar Kumar	Mechanical Engineering
30.	123205003	Pushpraj Pathak	Physics

Total No. of PhD degrees awarded - 30
Total No. of PG Degrees awarded - M.Tech/ MUDP/ M.Plan - 369, MBA – 50, MCA-80
Total No. of PG Degrees awarded - B.Tech -825, B.Arch – 108, B.Plan.-24

5.8 STUDENT STIPEND & SCHOLARSHIP

S.No.	Name of Scholarship	Name & Address of Awarding organization	No. of Scholarships	Value of the Scholarship
1	CBSE Merit Sch. Sp.	MHRD,of Higher Edn. Delhi	15	1000/-pm
2	National Merit Sch. SP	Director of Higher Edn.MP	10	300/-PM
3	NTSS	NCERT	--	2000/-PM
4	NEC	Director Higher Tech. Edn.	Nil	600/-PM
5	SC/ST/OBC/M.P	Distt. Organiser, Tribal Welfare M.P	105 36 259	1500/-PM+T.F SC/(H/s) 1500/-PM+T.F /ST (D/S) 425/-PM+T.F OBC (H/s) 190/-PM+T.F (D/s) OBC
6	SC/ST/AP	Director Social welfare Deptt.	10	740/-PM+T.F
7	SC/ST/Jharkhand	Tribal Commissioner Jharkhand	06	740/-PM+T.F
8	SC/ST/C.G	Distt. Org.welfare Deptt.	02	740/-PM+T.F
9	SC/ST/U.P	Director Social welfare U.P	22	740/-PM+T.F.
10	SC/ST/Bihar	Director Social	16	740/-PM+T.F.

		welfare Bihar		
11	SC/ST/MH	Director Social welare MH	02	740/-PM+T.F
12	ICCR	ICCR DELHI	80	TF+Other Allowance
13	Ddcil	Edcil Noida	--	---do---
14	Merit Cum Means (Minority) M.P	MHRD, of Higher Edn. Delhi	30	--do--
15	Handicapped (MP)	Distt. Organiser, Tribal Welfare M.P	19	Tuition Fees
16	SPDC	Edcil Noida	03	75% Fees Only
17	Center Sector SC/ST	MHRD	45	

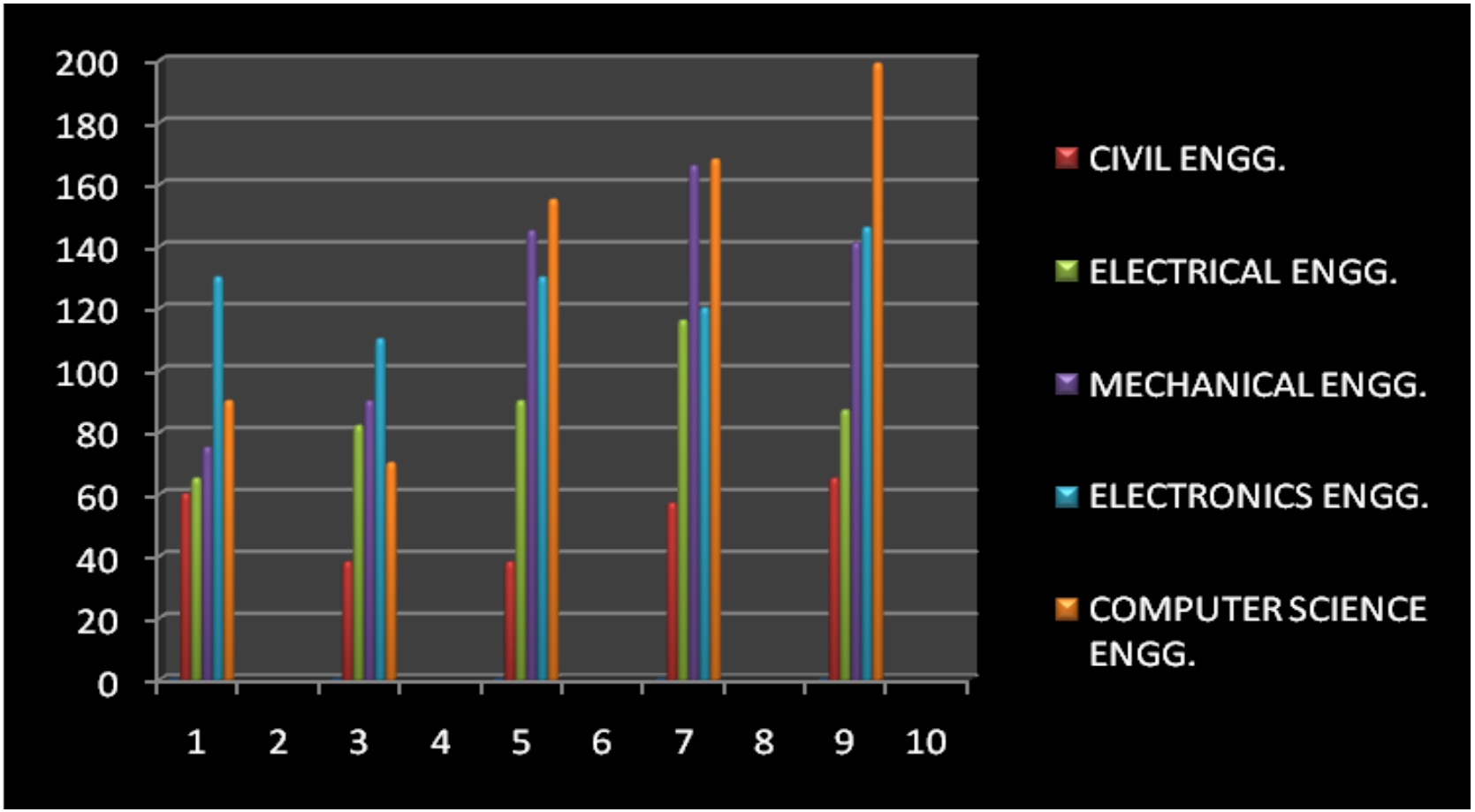
5.9 TRAINING & PLACEMENT (2015-2016)

S.NO	Name of Branch	No. of Students Selected	Package Offered (average) in Lakhs
1	CIVIL ENGINEERING	65	5.8
2	ELECTRICAL ENGINEERING	87	6.0
3	MECHANICAL ENGINEERING	141	5.2
4	ELECTRONICS & COMMUNICATION ENGINEERING	146	5.78
5	COMPUTER SCIENCE & ENGINEERING	199	6.5
6	MSME	47	6.23
7	CHEMICAL ENGINEERING	51	6.23
8	ARCHITECTURE	21	6.23
9	B. PLAN	3	6.23
10	MBA	8	6.23
11	MCA	69	6.23
12	M.TECH	95	6.23
	TOTAL	**932**	

2. Major employers of the year:

S. No.	Name of the firms/ organizations who have visited the campus:	No. of students who have been offered jobs	Package offered
1	C-Dot	4	9.85
2	Bajaj Auto Ltd.	9	7.60
3	Kronos Solutions	3	16.0
4	Bharti Airtel	10	9.2
5	Drishtisoft	4	16.5
6	Amazon	3	27.0
7	Trident India	12	21.0
8	Morgan Stanley	3	14.92
9	Microsoft	6	15.0
10	BPCL	9	11.5
11	HPCL	6	10.64

Students Placement in last 5 Years (Branch Wise Placement)



6.0 RESEARCH & DEVELOPMENT ACTIVITIES

6.1 EXISTING Ph.D. PROGRAMMES WITH THEIR AREAS OF RESEARCH:

DOCTORAL PROGRAMMES

The details of the candidates working on PhD programmes along with the present status of their work, are given below:

S.No.	Name of the Candidate	Title of the Thesis	Year of Registration
Department of Civil Engineering			
1	Yogita Gupta	Study of the Aspects of Bridge Failures & development of the remedial measures.	2013
2	Rakesh Patel	Analysis of infilled Reinf. Con. Beams	2011
3	Prakash	Evaluation of time period of vibration of symmetrical buildings in seismic analysis	2012
4	Mahesh Prasad Mishra	Seismic drift control in soft storied R.C.C.. building storied R.C.C.building	2013
5	Prabhat kumar soni	Literature review (Topic not finalized)	2012
6	Juned Rahim	Literature review (Topic not finalized)	2012
7	Mrs Minakshi Srivastava	Multi-objective optimization of water distribution system using Particle Swarm Optimization	2012
8	Mr. S.N. Shukla	Study of Cavitation in double suction horizontal split casing centrifugal pump	2013
9	Neeraj Tiwari	Interaction analysis of overhead RCC water tank-fluid- layered soil system	2007 Awarded Sep. 28 2015
10	D.K. Jain (Part Time)	Nonlinear Interaction analysis of shear wallspace framesoil system	2011 Awarded Nov.19, 2015
11	Yogesh Dewang (Full Time)	Analysis of nonaxisymetric stretch Flanging process to investigate deformation behavior of AA5052	2011Awarded Jan. 2016
12	Mr. Sudhir Kumar Bhatt	Prediction of Compaction Characteristics of Soils using ANN Techniques	Awarded on 09 Oct. 15
13	Mr. Anil Kumar Saxena	Experimental and Analytical Study on Prediction of CBR	Awarded on 14 June 16
14	Mr. Kundan Meshram	Swelling Behavior of Expansive Soil Reinforced With Granular Pile	Awarded on 01 July 16
15	Mr. Jitendra Kumar Gurjar	Development of Methodology for Performance Evaluation of Public	RDC recommended

		Transport in India	
16	Mr. Ravi Gupta	Broad Area “Geotechnical Engg.”	Course Work completed
17	Mr. Shareesh Chandrawanshi	Broad Area “Geotechnical Engg.”	1st SRPC completed
18	Mr. Sharad Soni	Broad Area “Geotechnical Engg.”	Course Work completed
19	Mr. Hemant Kumar Jain	Broad Area “Geotechnical Engg.”	Course Work Running
20	Arun Kumar Patel	Land Surface and Bathymetric Mapping using satellite based data	2009
21	Prashant Persai	Urban Infrastructure planning and Management using satellite based data	2009
22	Mahendra Kumar Nigam	Planimetric Modeling of River Ganga Meandering Geometry using GIS Techniques	2012
23	Rishi Kumar Soni	Remote Sensing Image Shadow Detection techniques	2014
24	Mrs. Harsh Lata Viskwakarma	Edge Detection Techniques in remote sensing satellite imagery	2014
25	Kapil Malviya	Decolourisation of industrial effluent containing dye by using water treatment plant sludge	2012
26	P.K. Raghuwanshi(PT)	Sustainables and Extraction	2012
27	Rakesh Tanty(FT)	Doing Course Work	2016
28	KV Rao	DEA based evaluation of bridge performances	2009
29	Nagendra Prasad Singh	Rural Water Supplies in India-Sustainability Issues and Operating Models	2012
30	Sabyasachi S Roy	Efficiency Issues in Indian Railways-Some Policy Perspectives	2013
31	Ms. Uma Bhavasar	Development of A Simple Methodology for Formulation of a Maintenance Program for Improving Road Safety	2011
32	Mr. Rakesh Mehar	A Rational Methodology for a Development of A Road Safety Improvement Program	2012
33	Mr. Jitendra Gurjar	Development of A Methodology for Performance Evaluation of Public Transportation System in India	2012
34	Mr. Sandeep Choudhary	Development of Management Maintenance System for Rural Roads in India	2013
35	Mr. M.K. Sharma	Development of A Pavement Maintenance Management system for	2014

		Rigid Pavements	
36	Mr. Daya Sankar Pandey	Development of a Methodology for Evaluation of safety at Highway Intersection	2014
37	BrijeshJharia	Road Safety	--
38	Pawan Deshpande	Public Private Partnership in Highway Projects	--
39	Ms. Uma Bhavasar	Development of A Simple Methodology for Formulation of a Maintenance Program for Improving Road Safety	2011
40	Mr. RakeshMehar	A Rational Methodology for A Development of A Road Safety Improvement Program	2012
41	Mr. Jitendra Gurjar	Development of A Methodology for Performance Evaluation of Public Transportation System in India	2012
42	Mr. SandeepChoudhary	Development of Management Maintenance System for Rural Roads in India	2013
43	Mr. M.K. Sharma	Development of A Pavement Maintenance Management system for Rigid Pavements	2014
44	Mr. Daya Sankar Pandey	Development of a Methodology for Evaluation of safety at Highway Intersection	2014
45	BrijeshJharia	Road Safety	--
46	Sareesh Chandrawanshi	Analysis of ordinary and Encased Stone columns in soft soils	2014
47	Ravi Gupta	Analysis of Strip Footings on Multilayered Granular Soils	2014
48	Sharad Kumar Soni	Geot. Engg.	2014
49	Nisheet Tiwari	Geot. Engg.	2014
50	Mrs Minakshi Srivastava	Multi-objective optimization of water distribution system using Particle Swarm Optimization	2012
51	Mr, S.N, Shukla	Study of cavitation in horizontal split casing pump	2013
52	Mr.Rajendra Patel	Assessment of Mini micro hydro power development in MP	2014
53	Rahul Sen	Structural Engg.	2014
54	Amit Sahu	Structural Engg.	2014
Department of Electrical Engineering			
55	Suresh Gawre	Investigations on Detection and Classification of Power Quality Disturbances	2008 (Awarded in April 2016)
56	Arun Dutta PT/093213101	Investigations on Shaft Voltage and Bearing Currents in Machine with Static Drive and Excitation System COE/2015/PhD/796, Dated 29.09.2015	2009
57	Lalit Kumar	Development of Power Electronic Inteface	2011

	FT/113113102	for Electric Propulsion System COE/2016/PhD/25, Dated 23.05.2016	
58	Aashish Kumar Bohre 123113102 FT	Optimal planning of distributed generation with different load models using soft computing	2012
59	Jayshiv Uprit	Investigations on performance and Economic Aspects of Grid Integrated Wind and Solar Hybrid System	2007
60	Anil Kumar Sahu	Issues and challenges of rural electrification for sustainable development	2008
61	Ruchi Solanki	Economic Load Dispatch using Soft Computing Techniques	2009
62	Rishi K. Singh	Power System Transient Stability Improvement with FACTS Controllers using Evolutionary	2008
63	Kaustubh Dwivedi	Some Aspects of Transmission Pricing	2009
Department of Mechanical Engineering			
64	C.P Singh	FEM	2011
65	Jitendra Yadav	Vibration	2012
66	Rashmi Dwivedi	FEM	2013
67	Ajay Kumar Choubey	FEM	2013
68	Summit Khare	Vibration of Circular Plates	2013
69	Rohit Tamrakar	Rotors Dynamics	2014
70	Amit Khare	Vibration of Plates with small curvature	2014
71	Sanjay Nayak	Fracture and interface characteristics of Natural Fiber reinforce Poly Propylene Composite	2012
72	Mohd. Mohsin Khan	Zinc-A1 Composite: Tribological Properties, Microstructures, Mechanical Behaviour	2012
73	Pankaj Singh	Experimental Investigation and Optimization of glass content of Chopped Stranel Mat. (SM) basal laminated	2013
74	Kirti Chawra	Experimental Investigation and Optimization of angle of winding for filament winded tube	2013
75	Pradeep Kumar Yadav	Study of wear characteristics of alloy & Composite	2015
76	Bikram Jit Singh	Developments of New Polymer Composites	2015
77	Lokesh Boriwal	Structural and Internal aspects of Resistance Spot Welding Process	2012
78	Veeresh Fuskele	Heat Tranfer in Nano fluids	2013
79	Praveen Singh	Heat Transfer in Nano fluids	2009
80	Ajay Singh	2 Stage fuel injection in C.I Engines	2009
81	Manoj Verma	Repowering: Wind Energy (SA & JLB)	2012
82	Prem K. Chourasiya	Remote sensing in Wind Resource Assessment (VW & SW)	2014
83	Amit Khare	Fatigue Failure Studies/Hydrogen Emforitlement of Faiteners (MV & SA)	2014
84	Ajeet Giri	CFD	2014

85	Yogesh Agarwal	Solar Collector	
86	Manoj Verma	Repowering Wind Energy	2014
87	Shailendra Singh Chauhan	A/c	2013
88	Neeraj Chourasia	R & A/c	
89	Amrit Kumar	A/c Evaporating Cooling	2014
90	Dinesh Kumar Soni	Emission Control in Diesel Engines. (CFD Analysis and Experimental Measurements)	2013
91	Avinash Namdeo	Emission Controls in Diesel Engines (Experimental Work)	2014
92	Pankaj Dubey	Emission Control in Diesel Engines (Exp)	2016
93	Pradyumna Vishwakarma	A1 Alloy Composite	2014
94	Himanshu Borade	Vibration Analysis & Fault diagnosis	2014
95	Sanjay Chalhotra	Energy Enhancement during combustion process in SI Engine	2015
96	Akhilesh Soni Soni	Automobile Engineering	2013
97	Prakhar Chourasia	Alternative Fuels & Environment	2013
98	Avdesh Tiwari	I.C Engine	2013
99	Ashish Khaira	Non- Destructive Testing	2014
100	Deepen Banoria	Rapid Prototyping	2014
101	Pankaj Mishra	Design a Air circulator system to improve the performance of cold storage	2013
102	Mukesh K. Solanki	_____	2014
103	Rajkumar Bishnoi	_____	2016
104	Ravindra Bharilya	Investigation on Adv. FGM for Multiple App.	2013
105	Deepen Banoriya	Application of Rapid Prototyping for Biomedical App.	2014
106	MMU Qureshi	Investigation on Fusing behaviour of Al MMCs	2015
107	Puneet Singh	Simulation of Continuum Robots	2012
108	Sanyam Sharma	Design a two lobe bearings	2013
109	Dharmendra Tyagi	Design a two lobe bearings	2014
110	Lakhan Patidar	Analysis of EDM Parameters	2014
111	Ajay Singh	Two Stroke I.C Engine, Performance with DZ	2009
112	Sanjeev Yadav	Solar Air Heater	2013
113	P. Jain	Solar Air Heater	2014
114	J.M Ambade	Heat Transfer Enhancement	2014
115	Prem Kumar Chourasia	RS in Wind Energy	2014
116	Mohan Rawat	Wind Energy	2014
117	Lakhan Patidar	Lean Manufacturing	2014
118	Shyam Patidar	----	2014
119	Rajkumar Singh	2-body Abrassive wear of AL-Si Alloy	2012
120	Amitabh Shrivastav	Metal Forming	2013
121	Ranjeet Arya	Composite Material	2014
122	Himanshu Borade	Condition Monitoring	2014
123	Vivek Nema	Thermal Engg.	2013
124	Amrat Dhamania	Thermal Engg.	2014
125	Ishwar Singh	Thermal Engg.	2014
126	Manish Bharti	Thermal Engg.	2014

127	Archana Ansolia	Thermal Engg.	2013
128	Dinesh Kasdekar	Composite Material M/c Behaviour	2011
129	Akhilesh Kumar	Shape Memory Alloy	2013
130	Abhay Agrawal	Energy I	2014
131	Dinesh Patidar	Composite Material	2014
132	Ruma Arora	Solar	2014
133	Rajkumar Hardha	Mechanical Engg.	2016
134	Amit Khare	Mechanical Engg.	2014
135	Shankar Kumar	Air-conditioning System	2012
136	Sanjay K. Singh	Heat Transfer	2013
137	Manish Gangil	Experimental Investigation of EDM Process Parameters	2014
138	Gurjeet Singh	Experimental Investigation of Injection Moulding Process	2014
139	Shiv K. Shankar	Carbon Credit	
Department of MSME			
140	Pratik Athe	Superconductivity of photonic crystal	2011
141	Prant Jain	Preparation and Characterization of $LaFeO_3$ multiferroic	2012
142	Rahul Gupta	Sever Plastic deformation	2012
143	Mr. Sourabh Dayal 123109002	Development of Carbon Doped Mo-Oxide Thin Films	2012
144	Mr. Jogindranath Sahu 133119003	Low Temperature Carburization of Carbon Steels through Shot Peening/SMAT techniques	2013
145	Mr. Prashant Tadge 133119002	Surface Nanocrystallization of Materials Through Shot Peening Techniques	2013
146	Mrs. Arshali Sasi	Carbon Nanotubes as Anode Material for Li ion Batteries	2013
147	Mr. Ajay Kumar Choubey	Development of Deep Drawing of Processes without Blank Holder	2014
Department of Chemical Engineering			
148	Mr. Jitendra Kumar	Effect of nitrogen on FCC catalyst	2012
149	Ms. RupaliJha	SAPO-11 catalyst for hydroisomerization reaction	2013
150	Ms. ShikhaGangil	Biodiesel production improvement	2014
151	Mr. Ankit Kadam	Tyre pyrolysis oil	2013
152	Deeptiraj Pant	Development of Heterogeneous Catalyst for Various Industrial Reactions	2013
153	Ramswaroop Singh Thakur	Catalytic hydrodeoxydation of Oils	2013
154	AshwaniRathore	Reactive separation of Organic Acids	2014
155	Subha J	Development of Nano composites from Polymeric Waste	2014
156	Shourbh Singh Raghuwansi	Development of catalysts for various industrial applications	2014
157	Mrs. Saraswati Rana (Awarded)	Treatment of Phenolic and Textile wastewater by using Biological and Physicochemical Methods	2015

Department of Electronics & Communication			
158	Sumit Gupta 123114101	Performance analysis and Enhancement of OCDMA using spectral amplitude	March 2012
159	Gaurav Pandey 133114005	Integrated WDM Optical System with WDM PON using OFDM	Aug. 2013
160	Mahendra Vucha	On-Chip Dynamic Task Distribution Model for Reconfigurable High Speed System	2009
161	Rachna Singh		
162	Abhishek Tripathi		
163	Uma Shankar Kurmi	Partially Occluded Face Recognition Using Feature Selection Approach	2015
164	Rahul Dubey	Spectral Analysis Techniques for Ball Bearing fault classification	2016
165	Bhupendra Singh Kirar	Development of new algorithms for Image Data mining	In Progress
166	Ram Naresh Pal	Ultra wide band Micro strip antenna design for improved directivity and Gain	In Progress
167	UdayPanwar	Gate Replacement Technique for Reducing Worst Leakage Current in DSM Circuits	2011
168	Ajay K Dadoriya	Low Power VLSI design	2013
169	Vivek Tiwari	VLSI Design	2015
170	Afreen Khursheed	Nano Technology	2015
171	Trapti Sharma		August 2016 Under Visvesvaraya PhD Scheme
172	Sanyam Shukla	Modified Extreme Learning Machine and Ensemble Pruning Techniques for Pattern Classification	December 2015
173	Subhash Mishra	Some Investigations on Smart Antennas Using Neural Networks	May2015
174	Vikas Gupta	Image Denoising Using Dual Threshold Median Filtering for Impulse Noise	August,2015
175	Manish Tiwari	Area - Nano-Electronics	Registered in 2013 (to be submitted in 2016)
176	Yashwant Kurmi	Area - Image segmentation	Registered in 2014 (to be submitted in 2017)
177	Abhishek Sharma	Area - Image Denoising	Registered in 2014 (to be submitted in 2018)
178	Neelesh Mehra	Design and analysis of Dual watermarking scheme for buyer seller watermarking protocol.	Awarded 2016)
179	Namita Tiwari	Spatial domain image steganography based on security and randomization	Awarded (2015)
180	Vikash Gupta	Image denoising using dual threshold Median filter	Awarded (2015)

181	Mr Arjun Singh Yadav,	Design and Analysis of Low Power SRAM cell with Enhanced Read and Write Performance	2012
182	Manish Bansal,	Area: Design High Performance Pipelined FFT Processor	2012
183	Ashish Parihar	Area : VLSI Design	2012
184	Sunanda Ambulkar	Area: Voltage Controlled Oscillator for 60 GHz application	2013
185	Swapneel Bhandarkar	Area : VLSI Design	2014
186	Pritesh Tiwari	Area: Antenna Design	2013
187	Anshu Gupta	Area: Circuit Simulation	2013
188	Gaurav Makwana	Area: Biomedical Imaging	2014
Department of Computer Science & Engineering			
189	Ms. Sweta Jain	Fuzzy Based Buffer Scheduling Policy and Enhancement of Traffic Differentiation Scheme for DTN	2009-15 (Completed Dec-2015)
190	Ms. Sangeeta Sharma	An Efficient Precopy Based Three Phase Method for Live Migration of Virtual Machine	2012 (Continuing)
191	Mr. RajuBarskar	Vehicular Ad hoc Networks: Security Issues	2012 (Continuing)
192	Mr. Aishwarya Sagar Anand Ukey	Rendezvous in Cognitive Radio Networks	2013 (Continuing)
193	Ms. Shriya Sahu	Big Data	2014 (Continuing)
194	Mr. Gaurav Hajela	Big Data	2015 (Continuing)
195	Mr. Rajesh Wadhwani	Query Based Extractive Text Summarization For Multiple Documents	2011
196	Mrs. S. K. Saritha	Identification and Classification of Comparatives and Emotions from Text Documents	2012
197	Mr. Rajeev Kumar Gupta	Prediction Based Balance Resource Utilization Techniques For Load Balancing In Cloud Computing	2012
198	Mrs. Sonica Shrivastava	Cloud Computing Security	2013
199	Mrs. Bharti Wadhwani	Information retrieval	2013
200	Mrs. Anupama Sharma	Information Security	2013
201	Mr. Sandeep Raghuvanshi	Cloud Computing	2012
202	Jaideep Patel	Congestion Control Through Cross layer Approach With GPU Assistance	2011
203	Gouri Shankar Prajapati	FPGA Implementation of Distinct Rule Insertion Firewall with Rule Re-Ordering	2011
204	Ashish Mishra		2011
205	Amit Swami		2013
206	HemaDubey		2014
207	Priyank Jain		2014
208	ShriyaSahu		2014
209	VivekRichariya	A Framework for Design and Analysis of Misbehavior Resistance Technique in	2013

		Wireless Networks	
210	SaurabhKhare	Continue	2013
211	Adarsh Patel	Continue	2013
212	Dileep Kumar Singh	Continue	2013
213	Gourav Kumar Shrivastava	Continue	2014
214	Mr. JaytrilokChoudhary	An Efficient Web Search Personalization through Semantic Focused Crawler	2011
215	Mr.SiddharathaK.Arjaria	Text categorization by using neighbor behaviour	2011
216	Mr. Divya Rishi Sahu	Analysis of web application code vulnerabilities using secure code standards	2012
217	Mr. RajniRanjan Singh Makwana	Network Forensics	2012
218	Mr. Nikhil K. Singh	Social Media Mining	2013
219	Mr. Kaptan Singh	Application Firewall	2013
220	Mrs. Pranita Jain	Community Detection	2013
221	Mr. Suneet Joshi	Big Data	2014
222	Mr. Rizwan Ur Rehman	Web Application Security	2014
223	Mr. KanuGeete	Continuing	2016
224	JayeshGangrade	Video Surveillance	2013
225	Chandra PrakashSingar	Image Security	2014
226	NeerajTantubay	Digital Image Processing	2014
227	AbhishekTripathi	Digital Image Processing	2014
228	NeerajShrivastawa	Video Processing	2014
229	Priyank Jain	Big Data Privacy: A Technological Perspective	Aug 2014
230	Sweta Saxena	Computer Aided Diagnosis and Prognosis of Breast Cancer	Aug 2014
231	Anjana Deen	Bioinformatics	Aug 2014
232	Anil Kumar Kushwah	Continuing	2016
233	KapilSoni	Continuing	2016
234	Brajendra Singh Rajput	Continuing	2016
235	Ashwini K. Malviya	Continuing	2016
Department of Biological Science & Engineering			
236	Mr. Mohit Jha	Biological Data Analysis	2012
237	Ms. Anvita Gupta	CADD	2012
238	Ms. Sudha Singh	Comparative Genomics	2012
239	Ms. Anjusha Munae	Bioinformatics	2013
240	Mr. Puspendra Singh	Proteomic study	2014
241	Ms. Rahi Raizada	Bioinformatics	2014
242	Shikha Jai Prakash Dixit	Genomic diversity study of mineral solubilizing bacteria of Chhindwara and Balaghat mining area of M.P.	Awarded in 2015-16
243	Manish Tripathi	An insilico approach to investigate the role of isocynate toxic chemicals in alteration of immune response to tuberculosis	Awarded in 2015-16
244	Mohd. Yasir	Phytochemical evaluation and chemical characterization of Glycosmis Pentaphylla root	Awarded in 2015-16

		extract in relation to various skin ailments	
Department of Architecture & Planning			
245	Sheetal Sharma	Study of Variations in Surface Water Flow of Urban Areas in Context of Physical Planning	Completed (December 2015)
246	Seemi Ahmed	Investigating Wind Flow Pattern Surrounding High-Rise Building Complex	Completed (December 2015)
247	Arti Jaiswal	Identification of Criteria and Indicators for Locating Transfer Station Sites in Urban Areas by Delphi Consensus	Completed (June 2016)
Department of Mathematics & MCA			
248	Mr. Parvaiz Ahmad Naik	Mathematical Approach to Study Calcium Distribution Patterns in Oocyte Cell **(Awarded)**	2012
249	Mr. Prakash ArunNemade	Modeling Death Domain Protein-Protein Interactions **(Awarded)**	2012
250	Mrs. Amita Jain	Computational Models For Mining Association Rules In Molecular Sequences Of Mycobacterium Tuberculosis Complex (MTBC) **(Awarded)**	2011
251	Ms. Chhaya Singh	Epitope Prediction **(On Going)**	2013
252	Ms. Ratanmala Badge	Mathematical analysis of nutrients dynamics in the rhizosphere of crop roots **(On Going)**	2013
253	Mr. Somdutt Mujwar	Riboswitches based drug design **(On Going)**	2013
254	Mr. AlekhGour	Data Analytics in Bioinformatics **(On Going)**	2014
255	Mrs Neetu Verma	Machine Learning Technique for Pricing of Option in context of Indian Stock Market	
256	DwityaTyagi	Parallel ClusteringAlgorithms for Microarray Gene Expression Data	
257	RekhaVidyanathan	Information Retrieval	
258	Rabia Aziz	Micro Array Data Analysis	
259	Shraddha Harode	Portfolio Optimization	
260	Anuja Gupta	Portfolio Optimization	
261	Darsha Panwar	Portfolio Optimization	
262	Mr. Manish Pandey	Parallel Solutions to All Pairs Shortest Path Problem for Multicore Processors	Jan, 2011
263	Mr. Devendra Kumar Jain	A Zone Based Energy Efficient Cooperative Caching Strategy for Mobile Ad Hoc Networks	Jan, 2011
264	Ms. Dipti Chauhan	End-to-End Header Compression over Multihop IPv6 Tunnels for Improving Network	March 2012

		Performance.	
265	Ms. Saakshi Saraf	Discrete Computational Approaches for Mining Association Rules in Large Databases.	Dec, 2009
266	Mr. Akhilesh Waoo (PT)	Mobile Ad hoc Networks	Jan, 2011
267	Mr. Sanjeev Sharma (PT)	QoS in Mobile Ad hoc Networks.	March 2012
268	Ms. Rani Sahu (PT)	Next Generation Networks & IPv6.	Aug,2013
269	Ms. Ruchi Garg (PT)	6LoWPAN: Sensor Networks	Aug,2013
270	Mr. Manoj Verma (FT)	Sensor Networks	Aug, 2014
271	Mrs. Sonal Telang (PT)	IPv6 Networks	Aug, 2014
272	Praveen K. Singh	Computational Approach for Protein-Protein Interaction Prediction and their Evolutionary Dynamics Analysis	Awarded in 2015
273	Namrata Gupta	Thermal variations due to abnormalities caused by surgical wound	2012
274	Mr. Vivek Tiwari	Design Concepts and Issues of Pattern Warehouse for Pattern Management	Awarded
275	Mrs. Versha Namdeo	New Models for Classification of Data at Multilevel Abstraction	Awarded
276	Mr. Vivek Bade	Development of Assorted Framework for Profitable Association Rule Mining	Awarded
277	Yachana Bhawsar,	New Computational Models for Social Network Analysis	Awarded
278	Mrs. Shaligram Prajapat	Data Mining	Submitted
279	Mrs. Gotam Singh Lalotra	Data Mining	2013
280	Mrs. Abha Sharma	Data Mining	2013
281	Mrs. Narendra Kumar Gupta	Data Mining	2013
282	Mrs. Vinod Kumar	Data Mining	2014
283	Mrs. HarshaPatil	Data Mining	2014
284	Mrs. JayantiMehra	Data Mining	2014
285	Mrs. SoumyaDhawan	Chemoinformatics	2009
286	Ms NishaSinghal	Biomathematics	2012
287	Ms Mona Dwivedi	Biomathematics	2012
288	Mr. Sunil Kumar Suryawanshi	Chemoinformatics	2013
289	Ms. NehaVerma	Chemoinformatics	2014
290	Ms. Sapna Singh Yadav	Network Modeling	2014
291	Ms. RachnaSoni	Biomathematics	2014
292	Mrs. Narendra Kumar Gupta	Data Mining	2013
293	Mrs. Priyanka Solanki	" Computational Model for Mining Association Rules in Molecular Sequences of Flavivirus"	Awarded in 2016
294	Mr. Ashok Dwivedi	"Soft Computing Approaches for Modeling Reticulate Evolution in Molecular Sequences"	Awarded in 2015
295	Rabia Aziz	--	2013
296	Nishant Soni	--	2014
297	Afzal Hussain	--	2014
298	Ashiya LAteef	--	2013

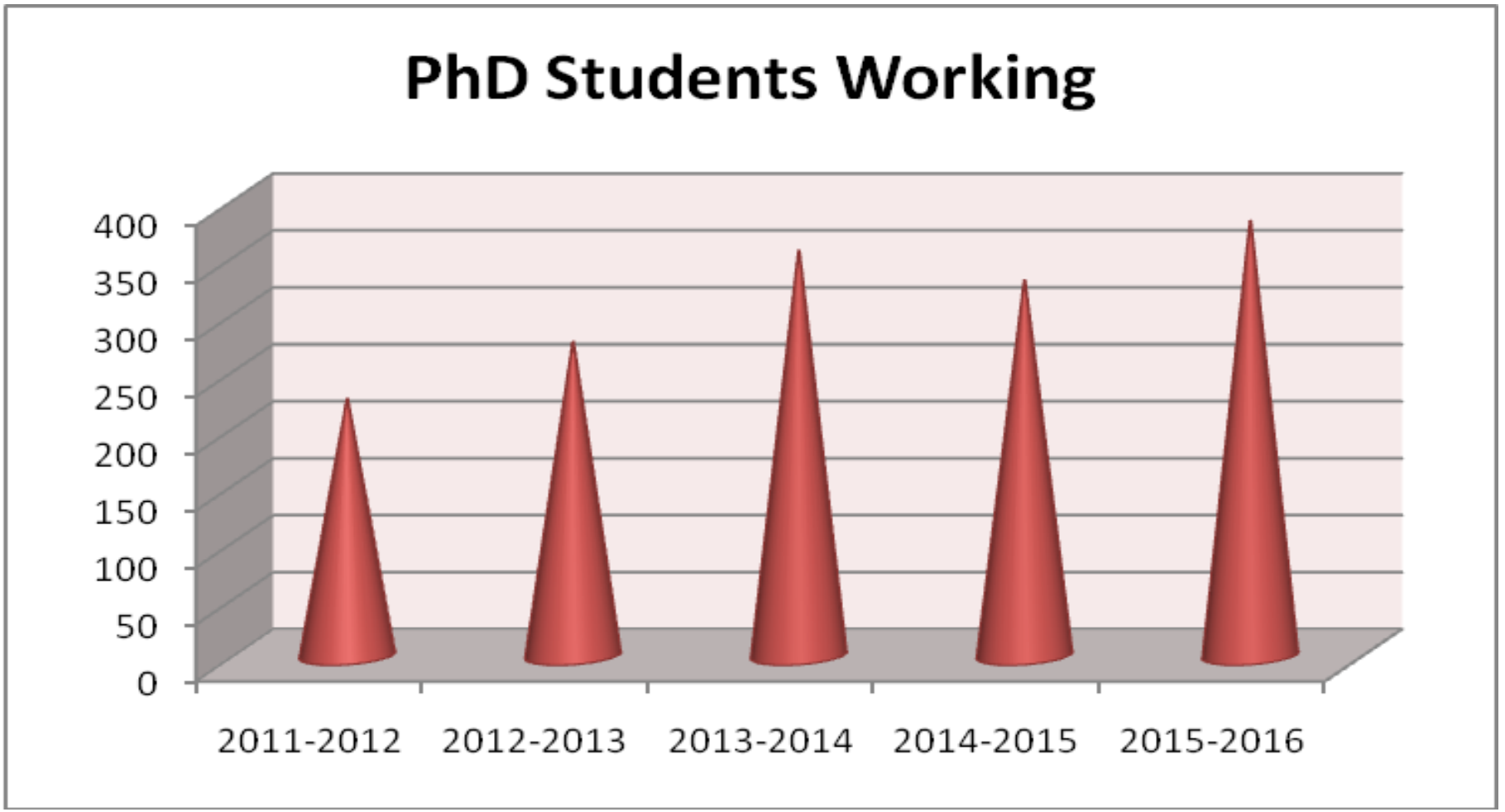
299	Payal Shrivastava	--	2014
300	Suverna Sharma	Data Mining	2014
301	Dharmendra Dangi	Data Mining	2016
302	Rajit Nair	Big Data	2014
303	Premnarayan Arya	Text Mining	2014
304	Rajshree Dubey	Image Processing	2014
305	Mr. Krishna Mohbey	Efficient models for user behaviour prediction and pattern extraction in mobile commerce environment" 18/8/2015	2011
306	MS. VarshaNamdeo	New models for Classification of Data at Multilevel Abstraction",16/11/2015	2011
307	Mr. VivekBadhe	Development of Asorted framework for profitable association Rule Mining	2011
308	MS. Yachana Bhawsar	New computational models for Social Network analysis	2011
309	Mr. Brijesh Bakariya	Efficient Models for intresting patterns extraction and user behavior analysis from web log Data	2012
310	Ms. Harshita Patel	Data Mining	2013
311	Mr.GaganVishwkarma	Data Mining	2013
312	Mr. SaurabhDhyani	Data Mining	2014
313	Mr.Rahul Kumar Chawda	Data Mining	2014
314	Mr. Krishna Pratap Singh	Data Mining	2014
315	Mr. YatendraSahu	Data Mining	2014
316	Anuradha Singh	Development of multipoint iterative methods for solving nonlinear equations and their basins of attraction	Registration in 2012-13 Awarded in 2015-16
317	Neha Choubey	Numerical Analysis	2012-13
318	BhawnaPanday	Numerical Analysis	2012-13
319	Kailash Yadav	Numerical Analysis	2014-15
Department of Physics and Centre of Nanoscience and Engineering			
320	Manindra Trihotri	Investigations On Electrical Properties Of Polymer Nano Composites	2011 (Awarded)
321	Padmini Pandey	Investigations on rare earth doped ZnO nanoparticles for dye sensitized solar cells	2011 (Awarded)
322	Manjeet Singh	Fabrication and characterization of solar photovoltaic cell based on organic materials	2012 (Awarded)
323	Pushpraj Pathak	Development of rare earth doped aluminates and borates based phosphors for thermoluminescence dosimetry	2012 Thesis to be submitted
324	Hafsa Siddiqui	Photovoltaics (Title to be finalized in RDC)	2012 Research work in progress
325	Vinita Pandey	Metal ion doped SnO2 nanoparticle for	2010

		ammonia sensing	work in final stage
326	Vaibhav Kottu	Nanomaterials Synthesis and characterization for treatment of Cancer and HIV Virus (Title to be decided in RDC)	2012 work in progress
327	Neha Singh	Gas sensors (Title to be finalized in RDC)	2012 work in progress
328	Mohammad Ramzan Parra	Hybrid Solar Cells (Title to be finalized in RDC)	2012 work in progress
329	Mohammad Shafeeque	Cu- based Sharp Band Memory Alloys (Title to be finalized in RDC)	2012 work in progress
330	Deepti Shrivastava	Nanostructured Materials' (Title to be finalized in RDC)	2012 work in progress
331	Arpit Jain	First principle studies of silicene and grapheme (Title to be finalized in RDC)	2012 work in progress
332	Jyoti Prakash Jwala	Nanomaterials Synthesis and characterization of Semiconductor Nanomaterials (Title to be finalized in RDC)	2013 Research work in progress
333	Niraj Kumar Singh	Wide Band Gap Semiconductors (Title to be finalized in RDC)	2013 work in progress
334	Shivangi Dubey	Synthesis and Characterisation of Sr, Ba and Pb based Bismuth Titanatae Ceramics (Title to be finalized in RDC)	2013 Research work in progress
335	Gagan Kant Tripathi	Bismuth Oxyhallide Nanocatalyst for Energy and Environmental Applications (Title to be finalized in RDC)	2013 Research work in progress
336	Nitu Yana	Nanostructure based optical Gas sensors (Title to be finalized in RDC)	2013 work in progress
337	Rajesh Kumar Chopde	Solid superionic Conductors (Title to be finalized in RDC)	2013 work in progress
338	Afreen Khursheed	CNT based Interconnects For Future VLSI Technology	2014 Coursework completed
339	Suneel Kumar	Nanomaterials Synthesis and characterization of Nanomaterials	2014 Coursework completed
340	Pramod Kumar Patel	Nanomaterials Synthesis and characterization of Nanomaterials	2014 Coursework completed
341	Kumar Naveen	--------	2014 Coursework completed
Department of Chemistry			
342	Shikha Rana	Natural Products	2015
343	Sandhya Pal	Conducting polymer	2013
344	Vijesh Verma	Fuels from waste plastic	2013
345	Kiran Rohit	Composite material	2013
346	Smita Nair	Natural products	2013

347	Kapil Malviya	Environment	2013
348	G. Robin Wilson	Nanomaterials and Catalysis	2012
349	Ankita Sharma	Biocatalysis	2012
350	Savita Verma	Nanomaterials and Catalysis	2014
Department of Management Studies			
351	Sunil Atulkar	Measuring the Influence of Shopping values on customer preference	2013
352	Bhupendra Verma	Impact of Employee Morale on its performance	2013
353	RajKumar Soni	HRM Practices	2013
354	Satya Naryan Pandey	Beneficiary of Bio-gas energy	2014
355	Amit Khare	MLM	2012
356	Anupam Singh	CSR	2013
357	Somesh Kumar Sinha	Sales Promotion	2013
358	Poonam Likhitkar	Retail Management	2014
359	Sachin Sharma	Telecom sector	2014
360	Manisha Singh	Human Resource Management	2012
361	Khushboo Sabharwal Gupta	Quality Assurance in Health Care	2013
362	Abdul Rashid	Retail Marketing Management	2014
363	Abhishek Parsai	Rural Management	2014
Department of Energy Centre			
364	A.H.Saifee	Design and Development of a novel constant voltage axial flux permanent magnet generator for wind energy system	2007
365	Manish Khemariya	Modeling simulation optimization of standalone solar PV and fuel cell based integrated energy system	2008
366	Meena Agrawal	Multi-agent system for optimal operation and control of micro grids	2008
367	Payal Suhane	Modeling and simulation of hybrid energy system	2008
368	Arpita De	Voltage stability issues of integrated energy systems	2014
369	Lovebrat Saxena	Solar Wind Hybrid System Optimization	2016
370	Akash Kumar Sukla	Techno economic feasibility and performance analysis of Building Integrated Photovoltaic system in India	2014
371	Ruma Arora Soni	Mathematical Modelling,Experimentation and optimization of Spirulina growth in open pond/PBR for food, feed and biochemicals	2014
372	Alok Kumar Sahu	Design ,Performance and Analysis of Floating Solar Power Plant	2015
373	Mary Debbarma	Thermal performance analysis of Building Integrated Photovoltaic/Thermal system in India	2014
Department of Humanities and Social Sciences			
374	Ambri Shukla	Transformation of American Orientalism and	2012

		Genesis of the China Mystique in Pearl S Buck's Novels	
375	Laxmi Singh Senger	'Workers Participation in Management'- A Study on Bharat Heavy Electricals Ltd. Bhopal	2012
376	Suman Swati	Feminism and The Dark Side of New Woman in the Novels of F. Scott Fitzgerald.	2013
377	Pallavi Kolte	Impact Assessment of Ladli Laxmi Yojna in M.P.	2013
378	Jahangir Ahmad Bhat	Assessment of Handicraft Sector and its Impact on Socio-Economic Development.	2014
379	Dama Raju Subba Rao	Enhancing the Cross Functional Performance of Power Professionals: A study of NTPC	2014
380	Mudasir Ahmad Mir	Absurdities in the Dramas of Harold Pinter	2014
381	Nawal K Shrivastava	Financing of Railway Infrastructure and Budget Process of Indian Railways	2015

5 Year Comparative Analysis of Candidates Working on Ph.D Programmes in the Institute



6.2 SEMINARS/SYMPOSIA, SUMMER/WINTER SCHOOLS AND WORKSHOPS, CONFERENCES ORGANIZED (2015-16)

S.No.	Topic of Seminar/Symposia etc.	Period From-To	No. of Participants	Name of the Coordinator
Department of Civil Engineering				
1	Free And Open Source Solutions of Geoinformatics	25 Feb. -26 Feb., 2016	40	Dr. S. K. Katiyar
2	STTP on Pavement Evaluation Techniques	1 Feb - 2 Feb, 2016	10+35	Dr.P.K Agarwal
3	Two Days STTP on"Pavement Evaluation Techniques"	1 Feb - 2 Feb, 2016	71	Dr. P.K. Agrawal Dr. S.Rokade Dr. Kamal
4	Five days Short Term Training Program on "Research Methodology and Applications of SPSS in Multidisciplinary Research"	04 -08 January,2015	--	Dr. Siddharth Rokade
5	MX Road Software	21st August 2015	--	Dr. Siddharth Rokade
6	Application of SPSS in Multidiciplinary Research	6 – 10 January 2016	--	Dr. Siddharth Rokade
7	Training program me on Pavement Evaluation Techniques	1 to 2 February 2016	--	Dr. Siddharth Rokade
8	Soil Investigation and Design of Foundations	27 June- 01 July 2016	--	Dr. P.K. Jain & Dr. Rakesh Kumar
Department of Electrical Engineering				
9	Advanced Power Electronics & Electrical Drives	3 Jan-7 Jan 2016	44	Dr Shailendra Jain Dr R K Nema
10	STTP on Mixed Signal IC Design; Emphasis on Data Convertors'	16 Nov- 20 Nov 2015	32	Dr R K Nema Dr Shailendra Jain Dr Savita Nema
11	Smart Technologies: Application in Electrical Engineering	17Aug -18 Aug 2015	60	Dr Tripta Thakur Dr Priyanka Paliwal
Department of Mechanical Engineering				
12	Short term training programme on role of	14 oct-18 Oct 2015	15+16=31	Dr K.R Aharwal

	NPD & IPR in Global competitiveness			
13	Short term training programmer on advances in thermal and renewable system design	30 Nov -04 Dec 2015	15+33=48	Dr. K.R Aharwal
14	Short term training programme on advances in Thermal and Renewable System Design	30 Nov -04 Dec 2015	41	Dr. Atul Lanjewar
15	Self sponsored short term programme on recent trends in solar and wind energy (RTSWE)	20 June -24 June 2016	21+90=111	Dr. Atul Lanjewar
16	One week STTP on recent trends in solar and wind energy (RTSWE-2016)	20 June -24 June 2016	42 faculty from AICTE	Dr. Vilas Warundkar
17	Trends in Industrial and Mechanical Engineering (ICTIME 2016)	04 Feb- 06 Feb 2016	12+99=111	Dr. Ajay Verma
18	"Materials Processing and Characterization", Hyderabad, 5th International Conference .	12 Mar-13 Mar 2016	25+200=225	Dr. Rajesh Purohit
Department of Material Science & Metallurgical Engineering				
19	Frontiers of Material Science and Technology (FST-2016)	02-06 May 2016	50	Dr. Bhrat Modhera, Dr. Sanajy Srivastava , Dr. Rahul Shrivasatava
20	National Seminar on Hydrogen and other Renewable Energy Sources under "HEAM Scientist Scheme in collaboration with Dept of Energy, MANIT and University of Kerala, Trivandrum	17-18 Nov 2015	50	Dr. K.Sudhakar Dr. Saroj Rangnekar Dr. C.Sasikumar
Department of Chemical Engineering				
21	3rd International Conference on "Environmental Friendly Agriculture and	12 Dec -14 Dec 2015	79	Dr. S. Suresh

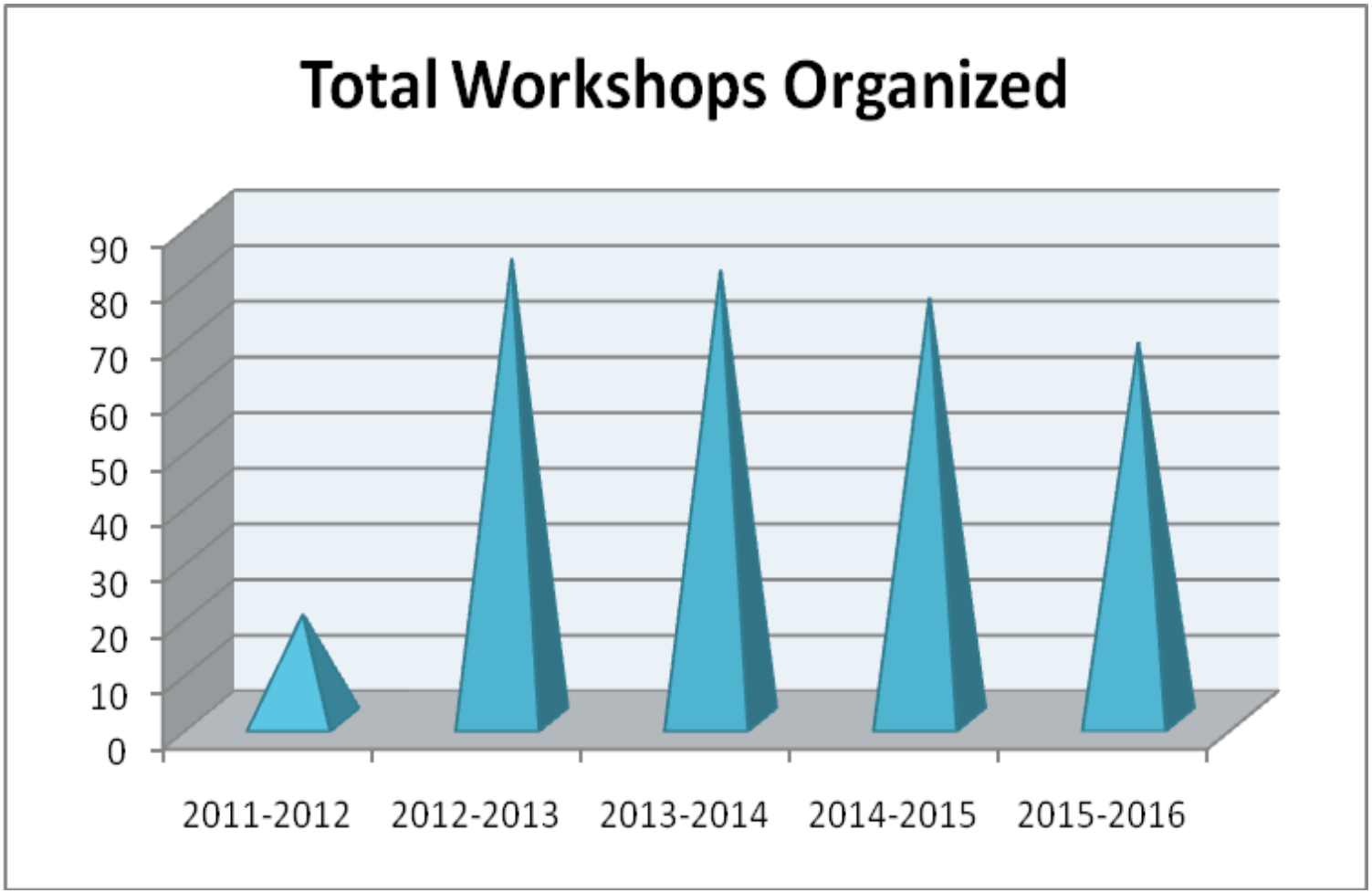
	Horticulture in Planning of a Smart City			
22	4th National Convention on Hydrogen Energy and Advanced Materials	28 Nov-29 Nov, 2015	57	Dr. S. Suresh Dr. K. Sudhakar Dr. C. Sasikumar
23	Biofuels and Bioenergy: International conference and Exhibition	23 Feb-25, 2016	40	Dr. S. Suresh Dr. C.M. Krishna Dr.Anilkumar
24	Frontiers of material Science and technology	02 May-06 May 2016	55	Dr. Bharat Modhera, Dr. Sanjay Srivastava and Dr. Rahul Srivastava
25	Disaster Management Policy	16 Jan-17 Jan 2015	80	Dr. Bharat Modhera and BikrantKeseri
26	English Learning Programme	04 Feb-13 Feb 2016	120	Dr. Bharat Modhera and BikrantKeseri
Department of Electronics & Communication				
27	Hands-on of Lab View	30 Jan-01 Feb 2015	25 5	Dr Dheeraj agrawal
28	Self-Financing Hands-on Training on Electronic Device Automation	05 April-06 April 2016	61	Dr Kavita khare Dr Bhavana shrivasatava
29	Seminar on Electromagnetics - Advances and applications	01 March 2016	57	Dr Laxmi Kumre Dr Lalita Gupta
30	Three days STTP on " Optical Communication and Technologies"	16 March-18 March 2016	32	Dr Aditya Goel Dr Laxmi Kumre Dr Vijayshri Chaurasia
31	Five days STTP on " Optical Communication and Technologies"	21 June-25 June 2015		Dr Aditya Goel Dr Laxmi Kumre Dr Vijayshri Chaurasia
32	Internetworking and it's applications	11 Jan-16 Jan 2016		Dr O.P Meena
33	LAN and WiFi installation and security	24 Sep 2016	36	Dr O.P Meena
34	Control System Design Using 20sim tool	04 Jul-06 Jul 2016	50	Dr Alpana Pandey Dr DK Raghuvanshi Dr Vijayshri Chaurasia
35	Circuit Simulation And Modeling	27 June-01 Jul 2016	43	Dr. Alpana Pandey Dr. Tarun Gupta Dr. Vijayshri Chaurasia
36	Research Methodologies	23 Jan-24 Jan 2016	25 25	Dr. R.N. Yadav Dr. Vijayshri Chaurasia

37	Faculty Development Programme on Theory and Applications of Signal & Systems	18 Mar-23 Mar 2016	25 5	Dr J S Yadav Dr Lalita Gupta
Department of Computer Science & Engineering				
38	Workshop on "Code Modernization"	17 Aug 2015	55	Dr. NilayKhare
39	Cyber Forensics: Fundamentals and Advancement	27 Jan-29 Jan 2016	55	Dr. R.K.Pateriya and Dr. Deepak Singh Tomar
40	Internetworking and Application	11 Jan-15 Jan 2016	28	Dr.DhirendraPratap Singh
Department of Biological Science & Engineering				
41	Frontiers of Material Science and Technology (FMST - 2016)	02 May-06 May 2016	40	Dr. Rahul Shrivastava, Associate professor
Department of Architecture & Planning				
42	Autodesk Revit 14	01 Aug-02 Aug 2015	50	Dr. Manmohan Kapshe Dr. Yogesh K. Garg Dr. RajatSoni Dr. Nakul Dhagat Dr. Navneet Munoth
43	Social Impact Assessment	17 Oct 2015	100	Dr. K.K. Dhote Dr. PreetiOmkar
44	Transformation in Profession	18 Sep-19 Sep 2015	70	Dr. Supriya Vyas Dr. Jagdish Singh
Department of Mathematics & MCA				
45	Training Program on Bioinformatics	17 Aug-01 Sep 2015	95	Dr. K.R. Pardasani
46	18thAnnual cum 1stInternational Conference of VijnanaParishad of India on Computational and Integrative Sciences"	11 Dec-14 Dec 2015	53	Dr. K.R. Pardasani (Chairmen)/ Dr. R. S. Thakur (Organizing Secretary)/ Dr. UshaChouhan, Dr. J. P.Jaiswal (Joint Secretary)
47	International Symposium on Computational Biology	11 Dec- 14 Dec 2015	30	Dr. K.R. Pardasani (Chairmen)/ Dr. R. S. Thakur (Organizing Secretary)/ Dr. UshaChouhan, Dr. J. P.Jaiswal (Joint Secretary)
48	Short term course on Modelling & Simulation	24 June-28 June 2016	45	Dr. K. R. Pardasani/Dr. UshaChouhan/ Dr. J. P. Jaiswal
49	ISTE Workshop on "Technical Communication"	30 Nov-05 Dec 2015	35	Dr. MadhviShakya(RC Coordinator) Dr. Vinita Mohindra(Workshop Coordinator)

50	ISTE Workshop on "Engineering Physics"	08 Dec-18 Dec 2015	50	Dr. MadhviShakya(RC Coordinator) Dr. ManojJha (Workshop Coordinator)
51	Mathematical Techniques & their Applications in Computer Domain	20 June-24 June 2015	100	Dr. MadhviShakya, Dr. Sujoy Das, Dr. Sanyam Shukla
52	Financial Planning	21 Dec 2015	30	Dr. R. S. Thakur
53	Short Term Training Programmeon"Modeling and Simulation"	28-28 Jan 2016	80	Dr. UshaChouhan
54	STTP OOPS concepts using C++/JAVA	31 oct-01 Nov 2015	40	Dr.G.S. Thakur
55	Sttp On Cloud Computing	28 ar-29 mar 2015	95	Dr.G.S. Thakur
Department of Physics and Centre of Nanoscience and Engineering				
56	Two week Indian Society for Technical Education (ISTE)/Short Term Training Programme (STTP) on "Engineering Physics" in collaboration with IIT Bombay	08 Dec-18 Dec 2015	25	Dr. Rajnish Kurchania
57	National Conference on Green Chemical Technology for the Progress of Nation, SISTECH, Bhopal	19 Dec 2015	78	Dr F.Z. Haque, Member organizing committee
Department of Chemistry				
58	Natural Products and the shifting paradigm in Drug Discovery	12 Feb-16 Feb 2015	60	Dr. Savita Dixit
Department of Management Studies				
59	Applications of SPSS in Multidisciplinary Research	06 Jan-10 Jan 2016	55	Dr Varsha Rokade, Dr Vinita Mohindra, Dr Siddhartha Rokade
5860	Professional Ethics and Human Values	02 Mar 2016	70	Dr Varsha Rokade, Dr Vinita Mohindra,
Department of Energy Centre				
61	Awareness program on Databases of CMIE for	02 Sep 2015	40	Arvind Mittal Archana Soni

	Research Applications			
62	National Convention on Hydrogen Energy and Advanced Materials "HEAM Scientist	28 Nov-29 Nov 2015	100	Dr.K.Sudhakar,Dr.A.Rehman,Dr.S.M.A.Shibli
63	Round Table on Climate Change and Sustainability in Energy(Sab Sath Chalen)	19 Mar 2016	100	Dr.K.Sudhakar
64	31st National Convention of Electrical Engineers and National Seminar on Renewable Energy and Green Technology for Sustainable Development	17 Oct-18 Oct 2015	75	Dr.K.Sudhakar & Prof.K.K,.S.Gautam
65	COMSOL for Academic Research & Teaching	18 Aug 2015	50	Dr.K.Sudhakar
66	Awareness program on Databases of CMIE for Research Applications	02 Sep 2015	30	Dr Archana Soni & Dr Arvind Mittal
67	LIGHT: ENLIGHTENING THE LIFE(Celebrating International Year of Light 2015)	21 Dec-31 Dec 2015	100	Dr.Prashant Baredar Dr.Archana Soni
Department of Humanities and Social Sciences				
68	One Week Short Term Training Program on "Applications of SPSS in Multidisciplinary Research" organized by Department of Civil Engineering, MANIT, Bhopal	06 Jan-10 Jan 2016	55	Dr Vinita Mohindra
69	Two Week ISTE Short Term Training Program on "Technical Communication for STEM (Science, Technical, Engineering and Mathematics) and Humanities faculty"	08 Oct-05 Dec 2015	22	Dr Vinita Mohindra
70	One day Faculty Development Program on "Professional Ethics & Human Values " Relevance and Practice	02 Mar 2016	70	Dr Vinita Mohindra

5 Year Comparative Analysis of No. of Conferences/Seminars/Workshops organized in the Institute



6.3 SEMINARS/SYMPOSIA ATTENDED BY FACULTY MEMBERS

The details of the members of the faculty of the Institute who were sponsored to attend Seminar/Symposia held at various places in the country and abroad during 2015-16 are given below:

S.No.	Name of faculty members	Topic of Seminar	Period and Place
		Department of Civil Engineering	
1	Dr. S.K. Dubey	4th Asian conference on Ecstasgin ICIACECON 2015	Kolkata
2	Dr. S.K. Katiyar	6th International Conference on Health GIS 2015	Mysuru 19 Nov-21 Nov 2015
3	Dr. Charu Parashar	Geotechnical Investigation for Structural Engineering	IIT, Gandhinagar 15 Oct-17 Oct 2015
4	Dr. Charu Parashar	National Water Sangoshti in Hindi	Roorkee 19 Oct-20 Oct 2015
5	Dr. Charu Parashar	Flood Management with GIS	Pune 26 Oct-30 Oct 2015
6	Dr. Charu Parashar	CPDP on Formulation of Research & Development Initiatives for Scientist And Technologists	Hyderabad 08 Feb-11 Feb 2016
7	Dr. Charu Parashar	Training programme on “Sexual harassment at workplace”	Bengaluru 26 Feb-27 Feb 2016
8	Dr. T.S. Deshmukh	Basic Hydrological Sciences for the Asian Region"	MANIT Bhopal4-7 02 Nov-18 Dec 2015
9	Dr. T.S. Deshmukh	Flood management with GIS	NWA Pune 26 Oct-30 Oct 2015
10	Dr. M.K. Choudhary	International Conference on “Water Resources and River Engineering” (HYDRO-2015)	IIT,Roorkee 17 Dec-19 Dec 2015
11	Dr. Kamal Singh	“Applications of SPSS in Multidisciplinary Research”	MANIT,Bhopal 06 Jan-10 Jan 2016
12	Dr. Siddharth Rokade	Training of Trainers Programme	IUT, New Delhi 02 Sep-04 Sep 2015
13	Dr. Priyanka Dhurvey	TEQIP Symposium on Mechanics	Kanpur 12 Feb-14 Feb 2016
14	Dr. Vivek Garg	Soil Investigation and Design of Foundations	MANIT, Bhopal 27 June-01 Jul 2016
15	Dr. Neeraj Tiwari	Free and open source solution for Geo-informatics	MANIT,Bhopal 25 Feb-26 Feb 2016
16	Dr. Neeraj Tiwari	Soil investigation and design of foundation	MANIT,Bhopal 27 June 2015-01 Jul 2016
17	Dr. H.L. Tiwari	International Conference on Living the Right	Ujjain

		way – Universal Message on Simhastha Ujjain	12 May-14 May 2016
18	Dr. H.L. Tiwari	International Conference HYDRO 2015	IIT,Roorkee 17 Dec-19 Dec 2015
19	Dr. H.L. Tiwari	National conference on Climate change and Sustainable Water Resource Management(CSW M2015)	NIT,Warangal 03 Sep-5 Sep 2015
20	Dr. H.L. Tiwari	National conference on Global warming and Climate change	Govt of MP & EPCO,Bhopal 21 Nov-22 Dec 2015
21	Dr. H.L. Tiwari	National Workshop on Basic Services to Urban Poor- Social Impact	MANIT,Bhopal 16 Oct 2015
22	Dr. H.L. Tiwari	Workshop on Sanitation	EPCO,Bhopal 05 April 2016
23	Dr. H.L. Tiwari	Workshop on Knowledge sharing and new Trades for Skill Development	MPSSI,Bhopal & MANIT 04 Jul 2015
24	Dr. H.L. Tiwari	STTP on Soil Investigations and Design of Foundations	MANIT,Bhopal 27 June-01 jul 2016
Department of Electrical Engineering			
25	Dr. R.K.Nema	Power Electronics & Drives for Vehicular Systems	UCE, Osmania Uni, Hyderabad 23 Nov-28 Nov 2015
26	Dr. Shailendra Jain	Power Electronics & Drives for Vehicular Systems	UCE, Osmania Uni, Hyderabad 23 Nov-28 Nov 2015
27	Dr. Anoop Arya	"Smart Technologies applications in Electrical Engg."	MANIT, Bhopal 17 Aug-18Aug 2015
28	Dr. Anoop Arya	"Applications of Power Electronics to Renewable Energy"	NIT, Ponda, Goa 12 May-14 May 2016
29	Dr. Suresh K. Gawre	Mixed Signal IC Design- Emphasis on Data Converters	MANIT Bhopal 16 Nov-20 Nov 2015
30	Dr. Pankaj Swarnkar	Smart Technologies: Application in Electrical Engineering	MANIT, Bhopal 17 Aug-18 Aug 2015
31	Dr. Priyanka Paliwal	Workshop on Smart Microgrid	IIT Kanpur 08 Apr-10 Apr 2016
32	Dr. Priyanka Paliwal	Seminar on Women in Engineering and Science WIES 2015	MANIT Bhopal 13 Feb-14 Feb 2016
33	Dr. Amit Ojha	Smart Technologies: Application in Electrical engineering	MANIT, Bhopal 17 Aug-18 Aug 2016
Department of Mechanical Engineering			
34	NA	Role of New Product Development and Intellectual Property Rights in Global Competitiveness	MANIT Bhopal 14 Oct-18 Oct 2015
35	NA	Symposium on Mechanics , Parvartana 2016	Kanpur 12 Feb-14 Feb 2016
36	NA	18th International Conference on Disaster and Emergency Management : ICDEM 2016	London, United Kingdom

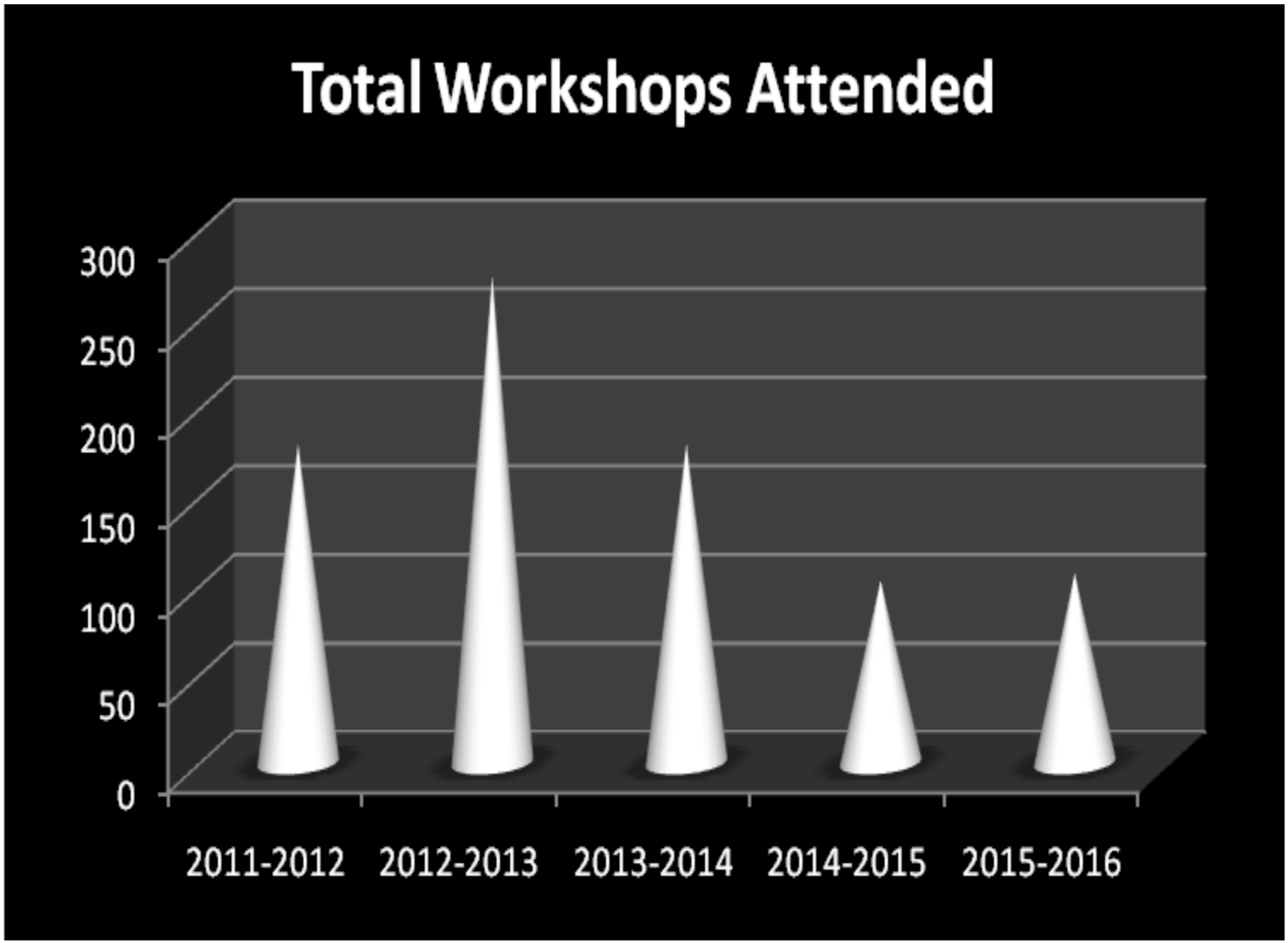
			17 Mar-18 Mar 2016
37	NA	STC on "Applications of Power Electronics to Renewable Energy	Ponda, Goa 12 May-14 May 2016
Department of Chemical Engineering			
38	Dr. Bharat Modhera	International Winter School and Hands on Training Programme on Nano-biotechniques (I WiSHNanoBio: 2016)	IIT, Roorkee, India 09 Feb-14 Feb 2016
39	Dr. Bharat Modhera	Entrepreneurship	MANIT, Bhopal 27 Jan-07 Feb 2016
40	Dr S. Suresh	Seminar on "Collaboration for Innovation"	Thailand 12 May-13 May 2016
41	Dr S. Suresh	Seminar on "Water Environment Engineering in China: Creative innovation towards the future"	Asian Institute of Technology (AIT), Thailand 17 Mar 2016
42	Dr S. Suresh	Training program on "Urban Climate Change Adaptation and Resilience"	Asian Institute of Technology (AIT), Thailand 07 Mar-11 Mar 2016
43	Dr S. Suresh	Seminar on "Advanced Technology and Innovation for sanitation: solar toilets and safe effluent reuse"	Asian Institute of Technology (AIT), Thailand 10 Mar 2016
44	Dr S. Suresh	Seminar on "Biomass supply chain sustainability in India"	Asian Institute of Technology (AIT), Thailand 10 Mar 2016
45	Dr S. Suresh	Seminar on "Using DNA to conserve and protect Tropical Forest"	Energy Engineering Field (AIT), Thailand 01 Mar 2016
46	Dr S. Suresh	Seminar on "Why Fukushima-1 accident happened	Asian Institute of Technology (AIT), Thailand 23 Feb 2016
47	Dr S. Suresh	Seminar on "Hazard risks"	Asian Institute of Technology (AIT), Thailand 13 Feb 2016
48	Dr S. Suresh	Seminar on "Electricity Access in Developing World"	Asian Institute of Technology (AIT), Thailand 09 Feb 2016
49	Dr S. Suresh	Two day Symposium on Industrial Green Chemistry World (IGCW 2015)	University of Mysore 03 Jan-07 Jan 2016
50	Dr S. Suresh	Seminar on "Research on CO_2 to Methanol"	New Delhi 29 Sep 2016

Department of Electronics & Communication			
51	NA	STTP on “Optical Comm. Technologies	16 Mar-18 Mar 2016
52	NA	STTP on “Advances in optical Communication & Technologies	21 June-25 June 2016
53	NA	Telecom management	20 Aug-21 Aug 2015 IIT Delhi
54	NA	Modeling, Simulation And Characterization Of Nano-Transistors	26 Oct-30 Oct 2015 IIT Kanpur
55	NA	How to write an IEEE paper	11 Aug 2015 IIT Delhi
56	NA	----------	28 Oct-30 Oct 2015 IIT, Kanpur
Department of Computer Science & Engineering			
57	Dr. Meenu Chawla	Smart Technologies: Application in Electrical Engineering	MANIT, Bhopal 17 Aug-18 Aug
58	Dr. Mee nu Chawla	Cyber Forensic: Fundamental and Advancement	MANIT, Bhopal 27 Jan-29 Jan
59	Dr. Nilay Khare	Awareness Program on Databases of CMIE for Research Applications	2 Sep 2015 MANIT BHOPAL
60	Dr. Deepak S. Tomar	Cyber Security: Fundamentals and Advancement	04 Nov-06 Nov 2015 IIT Delhi
61	Dr. Deepak Singh Tomar	Awareness Program on Database of CMIE for Research Application	02 Sep 2015 MANIT,Bhopal
62	Dr. Deepak Singh Tomar	Workshop on Financial Planning	21 Dec 2015 MANIT Bhopal
63	Dr. Jyoti Bharti	Awareness program on database of CMIE for research application	02 Sep 2015 MANIT, Bhopal
64	Dr. Jyoti Bharti	Code Modernization	17 Aug 2015 MANIT, Bhopal
65	Dr. Manasi Gyanchandani	International Workshop on Soft Computing and Application(ISCA-15)	20 June -24 June 2016 MANIT Bhopal
66	Dr. Sweta Jain	Mathematical Techniques & Their Applications In Computer Domain	20 June-24 June 2016 MANIT Bhopal
67	Dr. Sweta Jain	Cyber Forensics: Fundamental & Advancement	27 Jan-29 Jan 2016 MANIT Bhopal
68	Dr. Rajesh Wadhwani	Mathematical Techniques & applications in Computer Domain	20 June-24 June 2016 MANIT Bhopal
69	Dr. Sanyam Shukla	Mathematical Techniques & applications in Computer Domain	20 June-24 June 2016 MANIT Bhopal
70	Dr. Akhtar Rasool	Mathematical Techniques & applications in Computer Domain	20 June-24 June 2016 MANIT Bhopal
Department of Biological Science & Engineering			
71	Dr. Rahul Shrivastava	Dr.Kiran Singh	8-14 Sep. 2014,
72	Dr. Rahul	Dr. Rahul Shrivastava	18-22 May ,2014

	Shrivastava		
Department of Mathematics & MCA			
73	Dr. K. R. Pardasani	National Mathematics Day as well as National Science Day	25 Feb 2016 Nagpur
74	Dr. Madhvi Shakya	Workshop on "Awareness Program on Databases of CMIE for Research Applications"	Sep 2, 2015 Bhopal
75	Dr. Madhvi Shakya	Workshop on "Financial Planning"	Dec 21,2015 Bhopal
76	Dr. Madhvi Shakya	STTP on Applications in "SPSS in Multidisciplinary Research" MANIT Bhopal,	6 Jan- Jan 10 2016 Bhopal
77	Dr. Madhvi Shakya	One day faculty development programme on "Professional Ethics & Human Values" in association with Oxford University Press	March 02 2016 Bhopal
78	Dr. R. S. Thakur	Code Modernization	17 Aug 2015 B hopal
79	Dr. R. S. Thakur	Awareness Program on Databases of CMIE	2 Sep 2015 B hopal
80	Dr. R. S. Thakur	Technical Communication for Scientists and Engineers	8 Oct-18 Oct 2015 B hopal
81	Dr. R. S. Thakur	Quality Accreditation Accountability and Assessment- Process, Motivation and Performance in College of Higher Education in Madhya Pradesh	16 Jan-17 Jan 2016 B hopal
82	Dr. R. S. Thakur	Mathematical Technique and their Applications in Computer Domain	20 Jun-24 Jun 2016 B hopal
83	Dr. R. S. Thakur	Modeling & Simulation	24 Jun-28 Jun 2016 B hopal
84	Dr. Usha Chouhan	Applications of SPSS in Multidisciplinary Research	06 Jan-10 Jan 2016 Bhopal
85	Dr. G. S. Thakur	Conference on Sensing, Information and Decision at the Cellular Level, which held at ICTP, Trieste, Italy, from 14 to 17 July 2015	14 Jul-17 Jul 2015 Italy
86	Dr. G. S. Thakur	Bombay Information Theory Seminar 2016	01 Jan-03 Jan 2016 IIT, Mumbai
87	Dr. G. S. Thakur	One Day Workshop On Code Modrnization	17 Aug 2015 MANIT, Bhopal
88	Dr. J. P. Jaiswal	Workshop on "Computational Techniques for Differential Equations using MATLAB"	02 Jul-06 Jul 2015 IIT Roorkee
Department of Physics and Centre of Nanoscience and Engineering			
89		ISTE-STTP for Coordinators on Engineering Physics	07 Sep-11 Sep 2015 IIT, Bombay
90		Two Day Residential Training Programme on "The Sexual Harassment Of Women At Workplace (Prevention, Prohibition And Redressal) Act, 2013"	26 Feb-27 feb 2016 IPA, Bangalore
Department of Chemistry			

91		Improvement of water quality through Macrophytes- A case study (Presentation in Hindi language)	19 Oct-20 Oct 2015 IIT, Roorkee
92		Yuva Divas (500 participants)	12 Jan 2016 MANIT
93		Science Spirituality Seminar	16 Feb 2016 Manit
94		Traffic/Helmet progress 'Rose day'	02 Mar 2016 Bhopal
95		Matrabhasha Divas	03 Mar 2016 MANIT
96		Keynote at Biofuels and Bioenergy: International Conference and Exhibition	23 Feb 2016 MANIT
97		Maffick	18 Mar-20 Mar 2016 MANIT
98		Expert lecture on Bio-composite	14 Mar 2016 OIST, Bhopal
99		Key note on Green Technology	19 Mar 2016 LNCT, Bhopal
Department of Management Studies			
100	Dr Bikrant Kesari	Faculty Development Programme	04 Apr-15 Apr 2016 Bhopal
101	Dr Priyanka Verma	Technical Communication	11 Nov-05 Dec 2015 Bhopal
102	Dr Varsha Rokade	Technical Communication	11 Nov-05 Dec 2015 Bhopal
103	Dr Varsha Rokade	Awareness Program on Databases of CMIE for Research Applications	02 Sep 2015 MANIT, Bhopal
104	Dr Varsha Rokade	TM, Design, GI Filing Procedure	12 Aug-14 Aug 2015 Nagpur
105	Dr Varsha Rokade	Patent Filing And Processing	10 Aug-11 Aug 2015 Nagpur
Department of Humanities and Social Sciences			
106	Dr Vinita Mohindra	International Conference on Life skills Education- Mainstreaming Life Skills for Nation Building	26 Feb-27 Feb 2016-11-16 Bhopal
107	Dr Vinita Mohindra	One Week ISTE STTP for Coordinators on Technical Communication	24 Aug-28 Aug 2015 Bombay

5 Year Comparative Analysis of No. of
Conferences/Seminars/Workshops Attended by the Members of the Faculty of the Institute



6.4 RESEARCH PROJECTS:

Several staff members of the institute are engaged in research activities. Sponsoring agency is MANIT, Bhopal. Details of the research projects under investigation during the year 2015-16 are as follows:

Progress Report of Reasearch Project (Ongoing/In Progress)

S.No	Name of the Professor Incharge (s)	Name of Deptt.	Title of Project / Scheme	Spons-oring Agency	Project Cost/ Fund sanctioned	Amount received and date	Closing Balance	Date of Starting proje-ct	Date of ending project	Project year	Status of Project
1	Dr. K. R. Pardasani	Mathematical & Computer applications	Granular Computing Models for Multidimensional sequential Pattern Mining	DST New Delhi	Rs 12.60 Lakhs	_	_	2014	2017	2014-17	In Progress
2	Dr. K. R. Pardasani	Bioinformatics	Bioinformatics Infrastructure Facility under BTISNET of DBT New Delhi	DBT, New Delhi	Rs. 20/- lakh+ 07 Lakhs per year Rs. 11/- Lakhs in 2013	_	_	2006	2017	2006-17	In Progress
3	Dr. K. R. Pardasani	Mathematical & Computational biology	Computational Models to study temperature distribution in invivo tissues of extended cylindrical human organs involving malignant	DST New Delhi	Rs. 18 Lakhs	_	_	2013	2016	2013-16	In Progress

			tumors.								
4	Dr. K. R. Pardasani	Bioinformatics	National Database for Tuberculosis	DBT, New Delhi	Phase-I - Rs. 11.80 Lakhs Phase-II – Rs. 10.492 Lakhs	_	_	2008	2017	2008-17	In Progress
5	Dr. R. S. Thakur	Computer science	Computational Models for Mining Deterministic and Fuzzy Association Rule in Large Databases (**under Fast Track Scheme**)	DST, New Delhi	18.5 Lakhs	_	_	_	_	Three Years	Submitted
6	Dr. G. S. Thakur & Dr. Sanjay Sharma	Network	Advanced Network lab	MANIT	9.8lac	_	_	_	_	1 year	Completed
7	Dr. Jai Prakash Jaiswal	Mathematic	Investigation of Necessary and Sufficient condition for the Riemannian map to be harmonic map	NBHM-DAE, Mubmai, India	INR 4,75,400/-	_	_	2013	2016	2013-2016	About to complete
8	Dr. Jai Prakash Jaiswal	Mathematic	Semilocal Convergence Analysis of Iterative Methods in Banach Spaces and its	SERB-DSR, New Delhi, India	INR 15,00,950/-	_	_	2016	2019	2016-2019	About to start

			generalized computational efficiency								
9	Dr. K.K. Dhote Dr. Preeti Omkar	_	Social Impact Assessment	HSMI, HUDCO	9.74 lacs	_	_	_	_	_	Completion Stage
10	Dr. PK Jain & Dr. Jyoti Sarup	_	Screening of anti-venom potential of medicinal plants from Tribal region of Madhya Pradesh	_	22.26 Lakh	_	_	_	_	_	Dr. Rahul Shrivastava
11	Dr. Bharat Modhera	Environmental	Removal of Phenol And Its Derivative Compounds From Waste Water By Using Non-Conventional Low Cost Adsorbents	The Institution of Engineers (India), Kolkata	10,000/-	_	_	2014	2015	2014-2015	Completed
12	Dr. Bharat Modhera	Environmental	Production, analysis and evaluation of biodiesel from neem and karanja oil blends	The Institution of Engineers (India), Kolkata	40,000/-	_	_	2014	2015	2014-2015	Running
13	Dr. Sunderlal Pal	Catalysis and reactor design	Development of Heterogeneous Catalyst for Oxidative Desulfurization of oil	TEQIP-II	10 Lakhs	_	_	2014	2015	2014-2015	Published 4 international journal papers
14	Dr. S Suresh	R&D Project	Treatment of industrial	MPCST, MP Govt.	5.45 lacs	_	_	2012	2015	2012-2015	Completed

			wastewater using photocatalysis process								
15	Dr. S Suresh	R&D Industrial Project	Treatment of brine sludge using combined adsorption-Electro-chemical methods	TEQIP & Grasim Industry, Nagda	14.45 lacs	_	_	2012	2015	2012-2015	Completed
16	Dr. Savita Dixit	_	For Tooryanaad	MPCST, Bhopal	80,000/-	_	_	_	_	14 September	_
17	Dr. Jyoti Sarup Dr. Suneet Kaur	Civil Engg.	Land application using scatterometer Data in Dec. 2015	ISRO	5.90 Lakhs	_	_	_	_	_	_
18	Dr.Rakesh Kumar Dr. P. K. Jain Dr. S. K. Mittal	Civil Engg.	A study on Expansive soil improvement by Zycobond and terrasil Additives M/S Zydex Ltd, Vadodara	Zydra Industries 61, Gotri Sevasi Road Vadodara-391101 Gujrat	2 Lakhs	_	_	_	_	Oct. 2014 To Jan. 2016	Completed
19	Dr. S.K.Katiyar	Civil Engg.	Performance Evaluation of Automatic Registration and Resampling Techniques for IRS Imaginary	ISRO	Rs. 17.6 Lakhs	_	_	_	_	2 years	One JRF has been appointed and field data as well as satellite data has been collected. Investigat

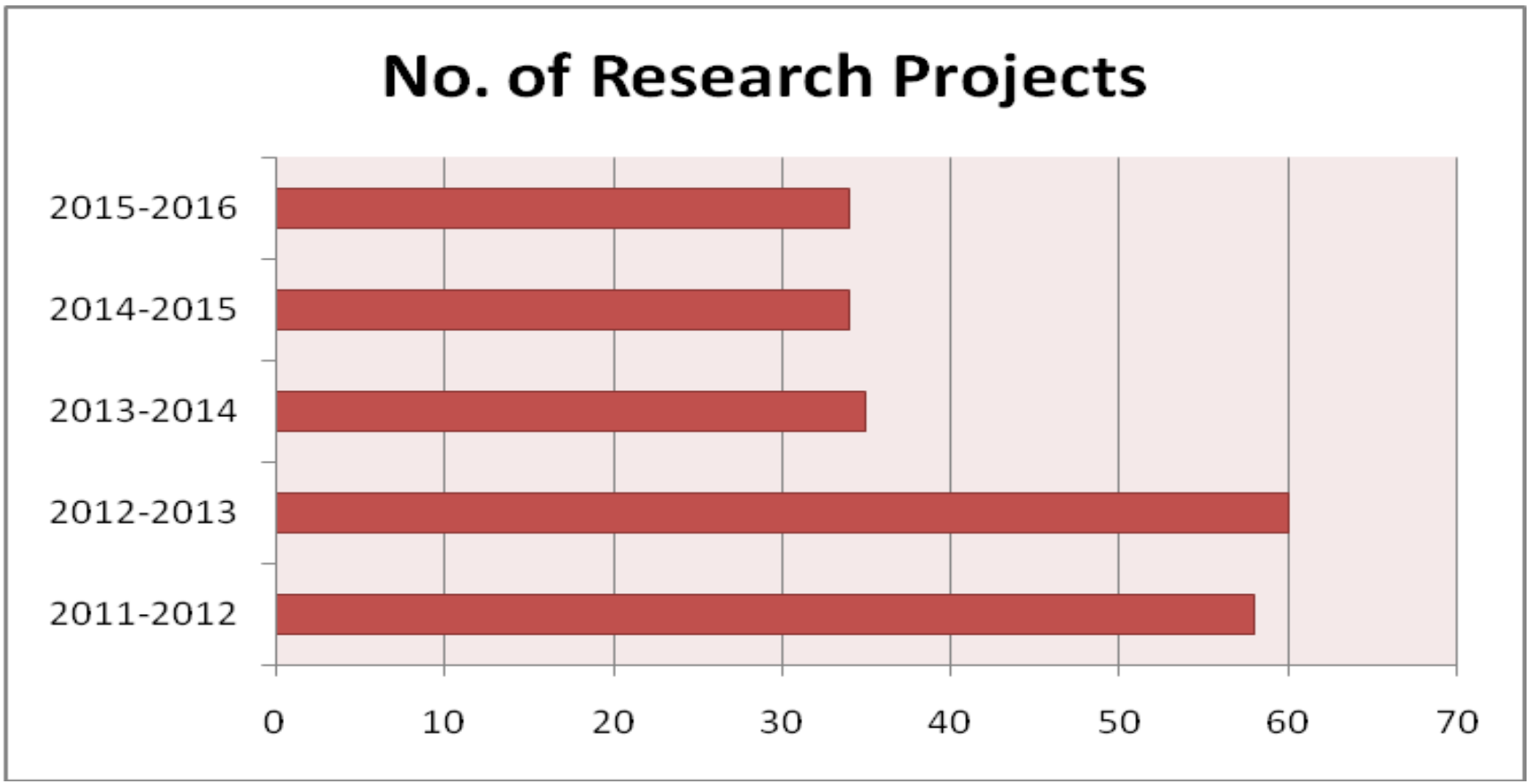
											i ons of the project are going on
20	Dr. P.K. Agrawal	Transportation engg./ civil engg.	Performance Evaluation of Rural Roads Constructed using Coir Geotextiles	Coir Board, GOI, Cochi	25 lakhs	_	_	_	_	2012 onward	Road using cgt constructed, performance evaluation is to be monitered
21	Dr. R.K. Pateriya Dr. Deepak Singh Tomar	Information Security	Information Security Education and Awareness Project (ISEA)	Department of Electronics and Information Technology, Ministry of Communication and Information Technology, Govt. of India	36.5 lac	_	_	_	_	5 Years	Ongoing
22	Dr Arvind Rajawat	VLSI Design and System	SMDP-C2SD	Department of Electronics and	Rs. 15,95,000/-	_	_	_	_	2015 on wards for 5	Equipments and software received,

		Design		Information Technology, Gov. of India						years	Project staff recruited
23	_	_	Technical inspection of e-challan system	Traffic police Bhopal	75000/-	_	_	_	_	2015	Completed
24	_	_	Boom barrier Installation	Nagar Nigam Bhopal Parking zone	35000/-	_	_	_	_	2015-2016	Under going
25	Dr Shailendra Jain Dr. Sushma Gupta Dr. Tripta Thakur	Power Electronics	Design, Implementation and Performance Evaluation of SEIG based Small Hydro Turbine in Micro Grid System" No. SB/S3/EECE/182/2013, Dated Nov 20, 2013	DST (SERB)	28.87 Lacs	_	_	_	_	Nov 2013 to Oct 2016	Ongoing
26	Mukul Kulshrestha and Tripta Thakur	GIS application	Mapping the Simhasth Kumbh Mela at Ujjain, 2016	TEQIP II	5 lakh	_	_	_	_	April 16-Dec 2016	Ongoing
27	Dr.K. Sudhakar	_	Design and development of Modified double slope solar still	TEQIP-II	_	_	_	_	_	2016	_
28	Dr.K. Sudhakar	_	Design and development of prototype model	TEQIP-II	_	_	_	_	_	2016	_

			of solar stirling engine								
29	Dr.K. Sudhakar	_	Visvesvaraya Ph.D Scheme for Electronics & IT	DeitY,Govt of India	_	_	_	_	_	2015-2020	_
30	Dr. Prashant Baredar	_	Installation of 1MW rooftop Solar power plant	MHRD - MNRE	_	_	_	_	_	2015 (in progress)	in progress
31	Dr. C.M Krishna	Manufacturing	Machining and analysis of various parameters of nano composites prepared from industrial wastes for various applications	MPCST	4.0 Lakhs	_	_	_	_	Two Years	Started from 25th June 2015
32	Dr. Rajesh Purohit & Dr. R. S. Rana	Materials	Development of Facility for Manufacturing of Polymer Matrix Nano Composites	TEQIP-Phase-II	10.90 Lakhs	_	_	_	_	One Year	Completed
33	Dr. Rajnish Kurchania	Nanomaterials	Synthesis & Characterisation of Sr, Ba and Pb based Bismuth Titanate Ceramics	M P Council of Science and Technology	Rs. 6.36 lacs	_	_	_	_	2yrs	Annual report submitted and progress presentation delivered
34	Dr. G. D. Sharma and Dr. Rajnish Kurchania	Solar cells	Design and Synthesis of New Conjugated Low Band Gap Polymers Based on “Weak Donor-	Russian Foundation of Basic Research and Departme	Rs. 20 lacs	_	_	_	_	2yrs	Annual report submitted

			Strong Acceptor" An Approach for Efficient Bulk Heterojunction Solar Cells"	nt of Technology Science and (RFBR-DST), JEC Jaipur							

5 Year Comparative Analysis of No. of Research Projects Undertaken by the Members of the Faculty of the Institute



6.5 RESEARCH PUBLICATIONS 2015-16:

The details of the research publications of the faculty members of various departments in the year 2015-16:

International Journals

S. No.	Name of the Faculty Member (s)	Title of paper	Name of Journal	Volume & Year
		Department of Civil Engineering		
1.	Dr. N. Dindorker Yogita Gupta Dr. Suneet Kaur	Analysis of the causes of distresses in a pre-stressed concrete bridge	ARPN Journal of Engineering and Applied Sciences I	Vol. 10, no. 18, October 2015
2.	Dr. S.K. Dubey M.P. Mishra	Seismic Drift control in soft storied RCC buildings : A critical Review	International Journal of Engg. Technical Research	Vol.3, Issue 8, August 2015 PP 86 – 90
3.	Dr. S.K. Dubey M.P. Mishra	Seismic Drift consideration in soft storied RCC buildings a critical review	International Journal of Engg. Technical Research and Development	Vol.11, Issue 8, August 2015 PP 16 – 20
4.	Dr. S.K. Dubey M.P. Mishra	Seismic Reponses of RCC Multi – Storied formed Building	International Journal of Advanced and Innovative Technical Research	Vol.4, Issue 09, September 2015
5.	Dr. S.K. Dubey M.P. Mishra	Seismic Drift and damage consideration in RCC multistoried formed buildings	International Journal of Engg associates	Vol.4, Issue 10, October 2015
6.	Dr. S.K. Dubey M.P. Mishra	Seismic Drift control in soft storied RCC buildings	International Journal of Engg. Research and application	Vol.4, Issue 12, (part – 2) Dec 2015
7.	Dr. V. Prasad Vishal Gupta Ruchi Khare	Effect of Discharge Coefficient on Performance of Multi Jet Pelton Turbine Model	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X,	Volume 12, Issue 4 Ver. I (Jul. - Aug. 2015), PP 06-16
8.	Dr. V. Prasad Minakshi Shrivastava, Ruchi Khare	Effect Of Inertia Weight Functions Of PSO In Optimization Of Water Distribution Network	International Journal Of Advanced Research In Engineering And Technology (IJARET), ISSN 0976 - 6480 (Print) ISSN 0976 - 6499 (Online)	Volume 6, Issue 5, May (2015), pp. 43-51 , Impact factor: 8.5
9.	Dr. V. Prasad Vishal Gupta Ruchi Khare	Numerical Simulation of Six Jet Pelton Turbine Model	Journal Of Energy (Elsevier)	Volume 104C, 2016, Pages 24-32

10.	Dr. V. Prasad Minakshi Srivastava, Ruchi Khare	Multi-objective optimization of water distribution system using particle swarm optimization	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X,	Volume 12, Issue 6 Ver. I (Nov. - Dec. 2015), PP 21-28
11.	Dr. M.S. Hora D.K. Jain	Analysis of settlements of space frame-shear wall-soil system under seismic forces	Int. Journal of Earthquake and Structures, Korea	Vol. 8(5), 1255-1276 2015
12.	Dr. M.S. Hora Yogesh Dewang S.K. Panthi	Prediction of crack location and propagation in stretch flanging process of Aluminum alloy AA5052 sheet using FEM simulation	Transactions of Non-ferrous metals society of China	25(2015) July 2015 2308-2320
13.	Dr. M.S. Hora Yogesh Dewang S.K. Panthi	Influence of blank holding force on stretch flange forming of Aluminum alloy	Materials Today	Vol. 2, 1934-1941 2015
14.	Dr. M.S. Hora Neeraj Tiwari	Interaction analysis of intze tank-fluid-layered soil system	ARPN Journal of Engineering and Applied Sciences	Vol. 10 (2), Feb. 2015
15.	Dr. M.S. Hora Neeraj Tiwari	Transient analysis of elevated intze water tank-fluid- soil system	ARPN Journal of Engineering and Applied Sciences	Vol. 10 (2), Feb. 2015
16.	Dr. M.S. Hora D.K. Jain	Interaction analysis of space frame-shear wall-soil system to investigate forces in the columns under seismic loading	Int. J. of Advances in Structural Engineering	Vol-II, 789-801 2015
17.	Dr. M.S. Hora D.K. Jain	Analysis for foundation moments in space frame-shear wall-nonlinear soil system	Int. Journal of Earthquake and Structures, Korea	Vol. 10 (6) 1369-1389 2016
18.	Dr. M.S. Hora Aparna Pandharkar M.D. Goyal	Axial crushing of hollow and foam filled tubes: An overview	Sadhana-Academy Proceedings in Engineering Science	DOI:10.1007/s12046-016-0525-4 pp. 1-13 2016
19.	Dr. M.S. Hora Yogesh Dewang S.K. Panthi	Effect of process parameters on deformation behavior of AA 5052 sheets in stretch flanging process	Materials Today Proc.	Published 2016
20.	Dr. P.K. Jain and Kumar R. (2016)	Load-Settlement Behavior of Geogrid Encased Granular Pile in Soft Expansive Soil	EJGE	Vol. 21 [2016], Bund. 09, pp. 3561- 3581. **(Scopus).**
21.	Dr. P.K. Jain	Prediction of Compression Index	International Journal of	Vol.11, Number 1, pp.

	Kumar, R., and Dwivedi, P. (2016)	(C_c) of Fine Grained Remolded Soils from Basic Soil Properties	Applied Engineering Research,	592-598. **(Scopus)**
22.	Dr. P.K. Jain Shrivastava, A.K., (2016)	Prediction of Compaction Parameters Using Regression and ANN Tools	International Journal for Scientific Research & Development	IJSRD –, Vol. 3, Issue 11, 2016, ISSN (online): 23210613, pp. 697-702.
23.	Dr. P.K. Jain Jain, P (2015)	Analysis of Railway Embankment under varying Sub Soil Conditions for Different Height of Embankments.	International Journal for Scientific Research & Development,	Vol. 3, Issue 08, pp. 180-183
24.	Dr. P.K. Jain Kumar, R.and Parmar, P.(2015)	Design of High Railway Embankment Under Construction Site Conditions	International Journal of Applied Engineering Research,	Vol.10, Number 18, pp. 39408-39412. **(Scopus)**
25.	Dr. P.K. Jain Agarwal, P.K., Gurjar, J., Gautam, A.(2015)	A Rational Methodology for Evaluation of the Impact of Public Transit Service in a City	International Journal of Frontier in Technology,	Vol. 2, No. 2, pp. 18-25
26.	Dr. P.K. Jain Chandrawanshi, S., Kumar, R.(2015)	Comparison of Pressure Settlement Behaviour of Model Circular Footing with Skirt in Sand of Varying Relative Densities	International Journal of Frontier in Technology,	Vol. 2, No. 2, pp. 31-39.
27.	Dr. P.K. Jain Meshram, K.(2015)	"Swelling Behavior Of Expansive Soil Using Granular Pile Technique"	Global Journal Of Advanced Engineering Technologies & Sciences,	Volume 2 Issue 7, pp. 90-93.
28.	Dr. P.K. Jain Stuti Maurya, Dr.A.K.Sharma, and Dr.Rakesh Kumar (2015)	Review on Stabilization of Soil Using Coir Fiber"	International Journal of Engineering Research,	Volume No.4, Issue No.6, pp : 296-299
29.	Vijay Solanky & S.K. Katiyar	Pixel-Level Image Fusion In Remote Sensing: Review & Techniques	Spatial Information Research, Springer Publication Vol. 24, Issue 4, Page 475-483, Year 2016	**ISSN** 2366-3286 (Print), 2366-3294 (Online)
30.	Prashant Persai& S. K. Katiyar	Title -Improvement of Quality of Life Using Remote Sensing and GIS Technology	International Journal of Engineering science and Technology:". e-ISSN: 0975-5462 p – ISSN: 2278 – 9510, Vol 7, 8, August 2015	**ISSN** 2278 – 9510 (Print), 0975-5462 (Online)
31.	Dr. Charu Parashar Ashish Bowade	A Review Of Different Blade Design Methods For Radial Flow Centrifugal Pump	International Journal of Scientific Engineering and Research (IJSER)	Volume 3 Issue 7, July 2015, 2437-3878.
32.	Dr. Charu Parashar Kapil Malviya	Removal of Acid Blue-7 Dye from Aqueous Solution using Water Hyacinth as a Adsorbent: Adsorption Equilibrium Isotherms	International Journal of Modern Trends in Engineering And Research	August, 8 2015

	Dr. Savita Dixit		(IJMTER)	
33.	Dr. Charu Parashar Kapil Malviya Dr. Savita Dixit	Decolourisation of Rhodamine -B Dye from Aqueous Solution Using Eichhornia Crassipes as a Adsorbent	International Journal of Latest Trends in Engineering and Technology (IJLTET)	July, 4 2015
34.	Dr. T.S. Deshmukh Nishant Sarraf	Hydrologic Assessment in Uri River Basin, using SWAT Model	International Journal of Advance Engineering Research and Science ISSN: 2349-6495	Vol-3, Issue-6, June-2016
35.	Dr. T.S. Deshmukh Ravi Shanker Mathi	Spatial Technology for Mapping Suitable Sites for Run-of-River Hydro Power Plants	International Journal of Emerging Trends in Engineering and Development ISSN 2249-6149	Issue 6, Vol. 4 (July 2016)
36.	Dr. T.S. Deshmukh Neerav Agrawal	Rainfall Runoff Modeling using MIKE 11 Nam –A Review	International Journal of Innovative Science, Engineering & Technology ISSN 2348 – 7968	Vol. 3 Issue 6, June 2016
37.	Dr. T.S. Deshmukh Mayank Nema	DAM BREAK-A Review	International Journal of Advance Engineering Research and Science ISSN: 2349-6495	Vol-3, Issue-6, June-2016
38.	Dr. Mukul Kulshreshtha Amit Vishwakarma, and Mudit Kulshrestha	Performance Assessment of Urban Municipal Solid Waste Management Services in an Indian State	The Journal of Solid Waste Technology and Management, USA	Vol 41, No 3, 2015
39.	Dr. P.K. Agrawal Jitendra Gurjar, Ashutosh Kumar Agarwal, Ramkrishna Birla	Application of Artificial Intelligence for Development of Intelligent Transport System in Smart Cities	International Journal of Transportation Engineering and Traffic System	Vol.1,Issue no 1,2015
40.	Dr. P.K. Agrawal Jitendra Gujar	A Rational Methodology for Evaluation of Impact of Public Transit service in a city	International Journal of Frontier in Technology ISSN No:2350-0344	Vol. 1,Issue no.3,July 2015
41.	Dr. P.K. Agrawal Mehar.R	A Basic Frame Work for Prioritization of Safety Improvement at Highway Intersection	International Journal of Transportation and Traffic System	Vol.1,Issue no 2,Jan 2016
42.	Dr. P.K. Agrawal Gujar. J	Development of a Methodology for Evaluation of Comparative Performance of Alternate Public Transport System in Indian Cities.	International Journal of Transportation and Traffic System	Vol.1,Issue no 2,Jan 2016
43.	Dr. P.K. Agrawal Faiz Mohhamad Spinnwall	Some Issues for Construction and Maintenance of Roads in Afghanistan	IJSRD - International Journal for Scientific Research & Development ISSN	Vol. 3, Issue 12, 2016 www.ijsrd.com

			(online): 2321-0613	
44.	Dr. P.K. Agrawal Choudhary. S	Assessment Of Maintenance Need For Rural Roads In Afghanistan	International Journal of Informative & Futuristic Research ISSN: 2347-1697	Volume 3 Issue 7 March 2016
45.	Dr. P.K. Agrawal Mehar. R	A Basic frame Work for Formulation of Road Safety Improvement Program	International Journal of Informative & Futuristic Research ISSN-2347-1697	Vol.3 issue6 2016
46.	Dr. Raman Nateriya Sanjeev Kumar Yadav, Surendra Kumar Patel	"Microstructure, micro hardness and compressive behavior of dual reinforced particles Aluminium alloy composites",	International Journal of Innovative Science, Engineering & Technology,	Vol. 2 Issue 4, April 2015
47.	Dr. Raman Nateriya Surendra Kumar Patel, Dr.G. Dixit	Microstructure analysis, microhardness and compressive behaviour of dual reinforced particles ADC-12 alloy composite	International journal of engineering technology and management research,	vol. I (Issue I): April-2015
48.	Dr. Raman Nateriya Nishant Kushwah, Anuj Jaiswal	Traffic Signal Coordination for Effective Flow of Traffic: A Review	International Journal for Scientific Research & Development.	Vol. 3, Issue 04, 2015
49.	Dr. Raman Nateriya Jitendra Singh Yadav, Anuj Jaiswal	Modelling Pedestrian Overall Satisfaction Level at Signalised Intersection Crosswalks	International Research Journal of Engineering and Technology (IRJET)	Volume: 02 Issue: 03, June-2015
50.	Dr. Raman Nateriya Subhash Chandra Goswami, Anuj Jaiswal	User Priorities for Mode Choice Factors: A Case Study of Bhopal,	International Research Journal of Engineering and Technology (IRJET),	Volume: 02 Issue: 04, July-2015
51.	Dr. Raman Nateriya Mohd Rahman	Study of Waste Glass Powder as Pozzolanic Material in Concrete,	International Research Journal of Engineering and Technology (IRJET),	Volume: 02 Issue: 04, July-2015
52.	Dr. Raman Nateriya Prafulla Kumar Tiwari	Replacement of recycled coarse aggregates with natural coarse aggregates in concrete	International Journal of Scientific Engineering and Applied Science (IJSEAS)	Volume-2, Issue-7, July 2016
53.	Dr. Rakesh Kumar P. K. Jain, AK. Sharma and Stuti Maurya	Review on Stabilization of Soil Using Coir Fiber	IJER (ISSN:2319-6890)	Volume No.4, Issue No.6, pp : 296-299
54.	Dr. Rakesh Kumar P. K. Jain & Prateek Parmar	Design of high level railway embankment under constrain site conditions	IJAER (ISSN 0973-4562) (Scopus Indexed)	Vol. 10 Number 18 (2015) pp 39408-39412
55.	Dr. Rakesh Kumar P. K. Jain	Prediction of Compression Index (Cc) of Fine Grained Remolded Soils From Basic Soil Properties	IJAER (ISSN 0973-4562) (Scopus Indexed)	Volume 11, Number 1 (2016) pp 592-598
56.	Dr. Rakesh Kumar P. K. Jain	Load-settlement Behaviour of Geogrid Encased Granular Pile in Soft Expansive Soil	EJGE(Scopus Indexed)	Vol. 21 [2016], Bund. 09 pp 3561 -3580

57.	Dr. Priyanka Dhurvey Abhishek Jha	First Ply Failure Analysis of Laminated Composite Plates on ANSYS Mechanical APDL	International Journal of Engineering and Technical Research (IJETR) ISSN: 2321-0869	Volume-3, Issue-7, July 2015
58.	Dr. Ruchi Khare Vishal Gupta and Vishnu Prasad	Effect of Discharge Coefficient on Performance of Multi Jet Pelton Turbine Model	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X,	Volume 12, Issue 4 Ver. I (Jul. - Aug. 2015), PP 06-16
59.	Dr. Ruchi Khare Vaibhav Chandrakar	Numerical Simulation for Unsteady Flow Analysis of Kaplan Turbine	International Journal of Scientific & Engineering Research, IJSER, ISSN 2229-5518	Volume 6, Issue 8, August-2015 pp 232 -236
60.	Dr. Ruchi Khare Mridul Sharma	Effect of G.A. parameters on cost optimization of pipe network: a case study	International Journal of Technical Research and Applications e-ISSN: 2320-8163	Volume 3, Issue 4 (July-August 2015), PP. 135-139
61.	Dr. Ruchi Khare Minakshi Shrivastava Vishnu Prasad	Effect Of Inertia Weight Functions Of PSO In Optimization Of Water Distribution Network	International Journal Of Advanced Research In Engineering And Technology (IJARET), ISSN 0976 - 6480 (Print) ISSN 0976 - 6499 (Online)	Volume 6, Issue 5, May (2015), pp. 43-51 , Impact factor: 8.5
62.	Dr. Ruchi Khare Izhar Mukarram Sushil Kumar	Effect of Beta Ratio on Performance of Nozzle Meter	International journal of Earth Science and Engineering	June 2016, P.P. 1024-1028, ISSN 0974-5904, Volume 09, No. 03, Scopus Indexed
63.	Dr. Ruchi Khare Vishal Gupta Vishnu Prasad	Numerical Simulation of Six Jet Pelton Turbine Model	Journal Of Energy (Elsevier)	Volume 104C, 2016, Pages 24-32
64.	Dr. Ruchi Khare Minakshi Srivastava, Vishnu Prasad	Multi-objective optimization of water distribution system using particle swarm optimization	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X,	Volume 12, Issue 6 Ver. I (Nov. - Dec. 2015), PP 21-28
65.	Dr. Vivek Garg Upendra Pathak	Optimization and Rationalization of truss design	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 p-ISSN: 2395-0072	Vol. 2 Issue 5, August 2015, pp.624-636
66.	Dr. Vivek Garg Saket Yadav	Advantage of Steel Diagrid Building Over Conventional Building	International Journal of Civil and Structural Engineering Research, ISSN 2348-7607 (Online)	Vol. 3, Issue 1, April 2015- September 2015, pp. 394-406
67.	Dr. Vivek Garg Atishay Lahri	Effect of Differential Settlement on Frame Forces-A Parametric	International Journal of Research in Engineering	Vol. 4, Issue 9, September 2015,

		Study	and Technology (IJRET) e-ISSN: 2319-1163 p-ISSN: 2321-7308	pp.453-464
68.	Dr. Neeraj Tiwari Praveen Singh Bhill	Vibration analysis of Deck Slab bridge	International Journal of Research Engineering and technology e-ISSN : 2395-0056	
69.	Dr. H.L. Tiwari R. K. Jaiswal	Downscaling and Generation of Future Scenarios for Maximum Temperature in upper Mahanadi Basin	MANIT Journal (IJFT),	Vol.2,N0.2, 39-45,Sept. 2015
70.	Dr. H.L. Tiwari Rahul Jaislwal, A. K. Lohani	Statistical analysis for change detection and trend assessment on climatological parameters	Journal of Environmental processes,	DOI 10.1007/s40710-015-0105-3, Aug.2015
71.	Dr. H.L. Tiwari Balvanshi A	Rainfall Runoff Estimation Using RRL Toolkit	International Journal of Engineering Research & Technology	4(5), pp 595-99, 2015
72.	Dr. H.L. Tiwari V. K. Gahlot & Bikram Prasad	New Design of Stiling Basin Model with Square Sill,	International Journal of Engineering Research & Technology	Vol.4, special issue 11, pp. 142-149, 2015
73.	Dr. H.L. Tiwari K. Satish, R. V. Galkate	Water Availability Assessment in Kshipra River	International Journal of Engineering Research & Technology	Vol.4, Issue 11, PP.126-130, 2015
74.	Dr. H.L. Tiwari A. Goel	Effect of impact wall on energy dissipation in stilling basin	KSCE Journal of Civil Engineering	Vol.20, Issue 1, pp.463-467, 2016
75.	Dr. H.L. Tiwari Kuldeep, Rahul Jaiswal	Study of Climate change on Precipitation over Tighra Catchment Gwalior Madhya Pradesh	International Journal of Engg. Technology Research	Vol. 5, Issue 1, pp.97-100, May 2016
Department of Electrical Engineering				
76	Dr. R.K.Nema Vikas Khare, Prashant Baredara, Savita Nema	Optimisation of the hybrid renewable energy system by HOMER, PSO and CPSO for the study area	International Journal of Sustainable Energy, Taylor and Francis	Pp 1-18. March 2015
77	Dr. R.K.Nema Deepak Verma, A. M. Shandilya, and Soubhagya K. Dash, Savita Nema	Comprehensive analysis of maximum power point tracking techniques in solar photovoltaic systems under uniform insolation and partial shaded condition	Journal of Renewable and Sustainable Energy 7, AIP Publishing 042701 (2015)	doi: 10.1063/1.4926844
78	Dr. R.K.Nema Vikas Khare, Prashant Baredara, Savita Nema	Solar-Wind Hybrid Renewable Energy System: A Review Renewable & Sustainable Energy Reviews	International journal of renewable and sustainable energy reviews Elsevier	5/2016; 58:23-33. DOI:10.1016/j.rser. 2015.12.223
79	Dr. R.K.Nema Verma, D.,	Maximum power point tracking (MPPT) techniques:	Renewable and Sustainable Energy	54, pp.1018-1034. 2016

	Shandilya, A.M. and Dash, S.K., Savita Nema	Recapitulation in solar photovoltaic systems.	Reviews,	
80	Dr. R.K.Nema Soubhagya Das, Savita Nema · R. K. Nema · Deepak Verma, Savita Nema	A comprehensive assessment of maximum power point tracking techniques under uniform and non-uniform irradiance and its impact on photovoltaic systems: A review	AIP Journal of Renewable and Sustainable Energy	Nov 2015 ·
81	Dr. R.K.Nema Deepak Verma · Dr. Savita Nema · Dr. A M. Shandilya	A Different Approach to Design Nonisolated DC-DC Converters for Maximum Power Point Tracking (MPPT) in Solar Photovoltaic Systems	Journal of Circuits System and Computers	Aug 2016
82	Dr. R.K.Nema Vikas Khare, Dr. Prashant Baredar, S. Nema	Optimization of Hydrogen based hybrid renewable energy system using HOMER, BB BC AND GAMBIT	International Journal of Hydrogen Energy, Elsevier 2016	In Press
83	Dr. Shailendra Jain K K Gupta Alekh Ranjan	Multilevel Inverter Topologies With Reduced Device Count: A Review	IEEE Trans on Power Electronics	Volume 31, No. 1, Jan 2016, pp 135-150
84	Dr. Shailendra Jain Rekha Agarwal	Suitability of Reduced Part Count Multilevel Inverter Topologies for Grid Interfacing¤	Journal of Circuits, Systems, and Computers	Vol. 25, No. 7 (2016), pp 1-18
85	Dr. Shailendra Jain Bhavna Jain, R K Nema	Control strategies of grid interfaced wind energy conversion system: An overview, doi:10.1016/j.rser.2015.03.063	Jr of Renewable & Sustainable Energy Reviews, Elsevier,	Volume 47, July 2015, Pages 983–996
86	Dr. Shailendra Jain Amit Ojha P Chaturvedi	Carrier Based Common Mode Voltage Reduction Techniques in Neutral Point Clamped Inverters Based an AC-DC-AC Drive System	Journal of Power Electronics, Republic of Korea	Vol 16, No. 1, pp142-152, Jan 2016
87	Dr. Shailendra Jain Sachin Tiwari, Sushma Gupta	Artificial neural network based series active power filter for self excited induction generator	Journal of Renewable and Sustainable Energy	013106-1 to 17 (2015)
88	Dr. Shailendra Jain Bhavna Jain, R K Nema	Power Quality Improvement in Wind Energy Conversion System of Grid Interfacing Inverter using Hysteresis Band Current Controller,	WSEAS Transactions on Power System	Volume 10, 2015, 21-26,
89	Dr. Shailendra Jain Monika Jain, Sushma Gupta	Islanded and transient operation of micro grid using AI techniques	International Journal of Circuit System and Computers (JCSC)	2016 vol. 25 no. 2 pp1-26
90	Dr. Shailendra Jain Monika Jain, Sushma Gupta Deepika Masand	Voltage and frequency regulation with synchronization of micro grid under islanding operation	Journal of Electrical Engg	Vol 15, No. 2, 2015
91	Dr. Shailendra Jain	Soft computing techniques for	International Journal of	Vol 24, No 2

	Sachin Tiwari, Sushma Gupta	static series voltage regulator of self excited induction generator	Circuit System and Computers (JCSC) (SCI)	2015
92	Dr. Savita Nema Vikas Khare, Prashant Baredara	Optimisation of the hybrid renewable energy system by HOMER, PSO and CPSO for the study area	International Journal of Sustainable Energy, Taylor and Francis	Pp 1-18. March 2015
93	Dr. Savita Nema Deepak Verma, A. M. Shandilya, and Soubhagya K. Dash	Comprehensive analysis of maximum power point tracking techniques in solar photovoltaic systems under uniform insolation and partial shaded condition	Journal of Renewable and Sustainable Energy 7, AIP Publishing 042701 (2015);	doi: 10.1063/1.4926844
94	Dr. Savita Nema Vikas Khare, Prashant Baredara	Solar-Wind Hybrid Renewable Energy System: A Review Renewable & Sustainable Energy Reviews	International journal of renewable and sustainable energy reviews Elsevier	5/2016; 58:23-33. DOI:10.1016/j.rser. 2015.12.223
95	Dr. Savita Nema Verma, D., Shandilya, A.M. and Dash, S.K.	Maximum power point tracking (MPPT) techniques: Recapitulation in solar photovoltaic systems.	Renewable and Sustainable Energy Reviews,	54, pp.1018-1034. 2016
96	Dr. Savita Nema Soubhagya Das, R. K. Nema Deepak Verma	A comprehensive assessment of maximum power point tracking techniques under uniform and non-uniform irradiance and its impact on photovoltaic systems: A review	AIP Journal of Renewable and Sustainable Energy	Nov 2015 ·
97	Dr. Savita Nema Deepak Verma , Dr. A M. Shandilya	A Different Approach to Design Nonisolated DC-DC Converters for Maximum Power Point Tracking (MPPT) in Solar Photovoltaic Systems	Journal of Circuits System and Computers	Aug 2016s
98	Dr. Savita Nema Vikas Khare, Dr. Prashant Baredar	Optimization of Hydrogen based hybrid renewable energy system using HOMER, BB BC AND GAMBIT	International Journal of Hydrogen Energy, Elsevier 2016,	In Press
99	Dr. Tripta Thakur Pavan khetrapal, Alok Gupta	X factor evaluation under RPI-X regulation for Indian electricity distribution utilities",	Journal of engineering Science and Technology	Vol 12(8), 2016
100	Dr. Tripta Thakur Pavan khetrapal, Alok Gupta	An econometric approach for evaluation the cost efficiency in post reform era-empirical evidence from Indian electricity supply Industry	WRSTSD	Vol 12 (3), 2016
101	Dr. Tripta Thakur Pavan khetrapal, Alok Gupta	A Parametric Frontier approach for Utility level performance benchmarking and technical efficiency estimation from Indian electricity distribution sector	Wulfenia SCIE Journal	Vol 22 (1), 2015
102	Dr. Tripta Thakur Pavan khetrapal,	Performance evaluation of government regulated energy	Electrical and Electronics Engineering:	Vol 4(4), 63-76., 2015

	Alok Gupta	distribution utilities: A stochastic frontier approach	An International Journal	
103	Dr. S.C.Gupta Vivek Tamrakar, Yaswant Sawale	Single diode and two diode PV cell modeling using matlab for studying characteristics of solar cell under varying conditions	Electrical and Computer Engineering: An international	vol.4,June 2015
104	Dr. S.C.Gupta Vaisali Sohani, R K Nema	A comparative analysis of wind speed probability distribution functions for wind power assessment of four sites	Turkish Journal of Electrical Engineering & Computer Sciences	September 2015
105	Dr. S.C.Gupta Sawle, Y. & Kumar Bohre	PV-wind hybrid system: A review with case study	Cogent Engineering	2016
106	Dr. Sushma Gupta Monika Jain, Deepika Masand and Gayatri Agnihotri	Islanded and Transient Operation of Microgrid using AI Techniques	International Journal of Circuit System and Computers	Vol. 25, No. 2, February 2016 (SCI), DOI: 10.1142/S0218126616500122
107	Dr. Sushma Gupta Monika Jain, Deepika Masand, Gayatri Agnihotri, and Shailendra Jain	Voltage And Frequency Regulation With Synchronization Of Micro Grid Under Islanding Operation	Journal of Electrical Engineering	Vol. 15 Edition 2, Dec. 2015, pp. 186-195
108	Dr. Sushma Gupta Monika Jain, Deepika Masand, Gayatri Agnihotri, and Shailendra Jain	Real-Time Implementation of Islanded Microgrid for Remote Areas	Journal of Control Science and Engineering	Hindawi Publishing Corporation, Article ID 5710950, March 2016
109	Dr. Anoop Arya Ishan Srivastava	An application of particle swarm optimization method for solving network reconfiguration problem in distribution system	Int. journal of Swarm Intelligence, Inderscience publishers, Switzerland	Accepted for publication in 2016
110	Dr. Suresh Kumar Gawre Rahul Prasad, Nikhil Kumar	Modelling and simulation of solar photovoltaic system and interfacing with closed loop boost converter and neutral point clamped multilevel inverter	Electrical and Electronics Engineering: An International Journal (ELELIJ)	Vol 4, No.4, 2015
111	Dr. Suresh Kumar Gawre Rajesh Kumar Pal, Khalid Aziz	Stability Prediction of Radial Distribution Network	Advanced Research in Electrical and Electronic Engineering	Vol 2, No.9, 2015
112	Dr. Suresh Kumar Gawre A. Goswami , S.C. Gupta	Comparison of Efficiencies of Single -Axis Tracking System and Dual-Axis Tracking System with Fixed: A Survey	International Research Journal of Engineering and Technology (IRJET)	Volume 2 Issue 4, July 2015
113	Dr. Suresh Kumar Gawre	Modelling and Simulation of Solar PV System and Interfacing with a	International Research Journal of Engineering	Volume 2 Issue 4, July 2015

	Ankita Goswami, Rahul Prasad, S C Gupta	New Topology of Multilevel Inverter	and Technology (IRJET)	
114	Dr. Suresh Kumar Gawre Pawan Kumar, Yashvant Savale	Modelling of Solar Photovoltaic System by using RETSCREEN Software	International Journal of Advanced Technology for Science and Engineering Research	Vol.1, Issue-8,pp 1-8, July 2016
115	Dr. Amit Ojha Dr. P.K Chaturvedi Dr. Arvind Mittal Dr. Shailendra Jain	Common Mode Voltage Reduction in Multilevel Neutral Point Clamped Inverter based AC-DC-AC Drive System	Journal of Power Electronics	Vol. 16, Issue 1, pp 142-152, Jan. 2016
116	Dr. Mukesh K.Kirar Pradeepti Lakra	Load Shedding Techniques for System with Cogeneration: A Review	Electrical and Electronics Engineering: An International Journal (ELELIJ)	Vol 4, No 3, August 2015 Vol 4, No 3, August 2015
117	Dr. Mukesh K.Kirar Sourabh Rathore, S. K Bhardwaj	Simulation of Cascaded H- Bridge Multilevel Inverter Using PD, POD, APOD Techniques	Electrical & Computer Engineering: An International Journal (ECIJ)	Volume 4, Number 3, September 2015
Department of Mechanical Engineering				
118	Narendra Kumar Yadav Rajesh Gupta Pankaj Dubey	Emission Reduction by using Linseed & Turpentine Oil blend as alternative fuel in Diesel Engine",	International journal of Engineering Research & Technology ISSN: 2278-0181	Vol 5 Issue 05, May 2016
119	Dinesh Kumar Soni Rajesh Gupta	Optimization of methanol powered diesel engine: A CFD approach	J. Applied Thermal Engg.	C. 106 (2016) pp. 390-398 (Sci indexed)
120	Dinesh Kumar Soni Dr. Rajesh Gupta	Numerical investigation of emission reduction techniques applied on methanol blended diesel enginer	Alexandria Engineeering Journal	Accepted
121	Dinesh Kumar Soni Dr. Rajesh Gupta	Emission control using Methanol, Ethanol and Butanol in diesel enginer: A comparision through CFD Simulation	IOSR Journal of Mechanical and Civil Engineering IOSR – JMCE e-ISSN: 2278-1684, p-ISSN:2320-334X	Vol. 12, Issuw 6 ver. VI(Nov-Dec 2015) PP 17-23, DOI: 10.9790/1684-12661723. (indexed in Copernicus International
122	Dinesh Kumar Soni, Dr. Rajesh Gupta	Comparison of performance and emission characteristics of diesel and diesel-water blend under varying injection timings	International Journal of Engineering, Science and Technology	Vol. 7, No. 4, 2015, pp. 49-59 (AJOL)
123	Abdul Gafoor C.P., Dr. Rajesh Gupta,	"Numerical investigation of piston bowl geometry and swirl ratio on emission from diesel engines	Energy Conversion and Management,	v.101 (2015) 541–551. (Sci Indexed)

124	Aman Saraf, Anshul Sungra, Rajesh Gupta	Performance Analysis of an Air Operated Micro-turbine	J. of Sustainable Manufacturing & Renewable Energy	v. 3, pp. 129-138, 2015, ISSN 2153-6821.
125	Rajesh Purohit R.S Rana Rohit Gupta	A Review on green and sustainable manufacturing & their impact on social, economical, environmental prospects	International journal on applications in science engineering & technology	Vol 1, issue 1, 2015, pp. 8-12
126	Riturajaditya Awasthi Prabhash Jain Ravindra K. Bharilya Rajesh Purohit	Investigation of tensile deformation with micro structure of three layered functionally graded (FG) Sandwhich structure	International research journal of engineering and technology (IRJET)	Volume 02 issue: 09 December 2015
127	Rajesh Purohit, Krishna CM, Rana RS, Vikas Kumar, Krishan Kumar patel	Optimization of electric discharge machining parameters for Al–3 weight % nano SiCp composites using copper electrode	Int. Conference on Trends in Industrial and Mechanical Engineering (ICTIME) 4-6 February 2016 MANIT Bhopal).	13(33), pp. 408-414
128	Gaurav Bajpai Rajesh Purohit R.S Rana Saurabh Singh Rajpurohit	Investigation and testing of mechanical properties of AL-Nano Sic Composites through cold isostatic compaction chamber	International conference on Material Processing and Characterization at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	
129	Vishal parashar and Rajesh Purohit	Analysis of Machining Behavior of Al/A206-Al_2O_3 Metal Matrix Composite Using End Milling Process	International Conference on Material Processing and Characterization,Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
130	Anisha Christy, Rajesh Purohit and R. S. Rana,	Development and Analysis of Epoxy/nano SiO_2 Polymer Matrix Composite fabricated by Ultrasonic Vibration assisted Processing	International Conference on Material Processing and Character ization Gokaraju Rangaraju Institute of Engineerig and Technology Hyderabad	12-13 March, 2016,
131	Rajesh Purohit C. S. Verma, R. S. Rana Vishal Parashar & Rashmi	Simulation of Shot Peening Process	5th International Conference on Material Processing and Characterization,	12-13 March, 2016

	Dwivedi		Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	
132	Manish Gangil, M.K Pradhan and Rajesh Purohit	Review on modeling and optimization Electrical discharge machining process using modern Techniques"	5th International Conference on Material Processing and Characterization. Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
133	Mukesh Tak[a], Shivani P. Raygor[b], Dr. Rajesh Purohit[c], Dr. Vishal Parashar	Selection of tool and work piece combination using Multiple Attribute Decision Making Methods for Computer Numerical Control turning operation	5th International Conference on Material Processing and Characterization Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016
134	Vishal Parashar and Rajesh Purohit	Investigation of the effects of the Machining Parameters on Material Removal Rate using Taguchi method in End Milling of Steel Grade	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
135	Sunil Kumar, M.M. Malik and Rajesh Purohit	Synthesis Methods of Mesoporous Silica Materials	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
136	Rajesh Purohit, C. S. Verma, R. S. Rana, R. K. Dwivedi, Rashmi Dwivedi and Deepen Banoriya	Optimization of Process Parameters of Shot Peening Using ABQUS",	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
137	Rajesh Purohit, PramodSahu,	Analysis of Mechanical Properties of Fiber Glass-Epoxy-Fly Ash	5th International Conference on Material	12-13 March, 2016,

	R.S Rana, Vishal Parashar and Sankalp Sharma,	Composites"	Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	
138	Rajesh Purohit, Navin Kumar Solanki, Gaurav Bajpayee, R. S. Rana, G. Hemath Kumar and Raman Nateria	"Development of Cu-Al2O3-CBN Hybrid Composite through Powder Metallurgy Process and Analysis of Mechanical Properties	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
139	C. S. Verma, Rajesh Purohit , R. S. Rana and H. Mohit,	Mechanical Properties of Bamboo Laminates with other composites	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
140	R. S. Rana, Swadesh Singh, R.K.Dwivedi and Rajesh Purohit	Effect of variation of low cost reinforcement on natural frequency Of polyester resin glass fibre hybrid composites"	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
141	Ashish kumre, R S Rana and Rajesh Purohit	A Review on mechanical property of sisal glass fiber reinforced polymer composites",	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
142	Rahul Shrivastava, Amit Telang, R. S Rana and Rajesh Purohit,	"Mechanical Properties of Coir/ Glass Fiber Epoxy Resin Hybrid Composites",	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
143	Krishan Kumar Patel, Vikaskumar, Rajesh Purohit,	Effect of Ultrasonic Stirring on Changes in Microstructure and Mechanical Properties of Cast	5th International Conference on Material Processing and	12-13 March, 2016,

	Gaurav Kumar Gupta and O.P.Modi	Insitu Al 5083 alloy Composites Containing 5wt.% and 10wt.% TiC particles",	Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	
144	G. Hemath Kumar, H. Mohit and Rajesh Purohit,	"Effect of Deep Cryogenic Treatment on Composite Material for Automotive AC System",	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
145	AkshatPatil, ArunPatela and Rajesh Purohit	An overview of Polymeric Materials for Automotive Applications"	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
146	R. S. Rana, Rajesh Purohit, P. M. Mishra, Pramod Sahu and Shailendra Dwivedi	Optimization of Mechanical Properties of AA 5083 Nano SiC Composites using Design of Experiment Technique",	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
147	Rajesh Purohit, MMU Qureshi and R. S. Rana	The Effect of Hot Forging and Heat Treatment on Wear Properties of Al6061-Al2O3 Nano Composites"	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
148	Deepen Banoriya, Rajesh Purohit, R.K. Dwivedi	"Advanced Application of Polymer based Biomaterials",	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,

149	Manish Vishwakarma, Rajesh Purohit, V.Harshlata, P.Rajput	Vibration Analysis & Condition Monitoring for Rotating Machines:	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
150	Gaurav Bajpai, Rajesh Purohit, R. S. Rana	Investigation and Testing of Mechanical Properties of Al-Nano SiC Composites through Cold Isostatic Compaction Chamber",	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
151	RavindraBharilya, Rajesh Purohit and RiturajadityaAwasthi,	"Investigation of Mechanical Properties of Multi-Layered Functionally Graded (FG) Sandwich Structure developed by Compressive Moulding Route",	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
152	Neeraj Dubey, Geeta Agnihotri, Rajesh Purohit, Swadesh Kumar Singh,	"Investigation of Midrib of Cocos nucifera Leaves for Reinforcement of Polyester", Materials Today: Proceedings	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
153	Anubhav Shiva and Rajesh Purohit, R. S. Rana and Dinesh Kumar Koli,	Noise and Vibration Emissions of Railway Bridges",	5th International Conference on Material Processing and Characterization, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	12-13 March, 2016,
154	Abhinav Rajan Dr. K.R Aharwal Rajkumar Bhadu	Performance analysis of cold storage for the different stacking arrangements	International Journal of Engineering Research and General Science	4 July – August 2015
155	Rahul Rathee, Atul lanjewar	Thermal performance analysis of EAHE with and without fins arrangements	International Journal of Engineering and Applied Sciences (IJEAS)	June 2015
156	Rahul Rathee, Atul lanjewar	A Review Paper Different Models Of Earth Air Heat Exchanger	International Journal of Recent Research Aspects	June 2015

157	Vikas Bhumarkar, Atul Lanjewar	A Review on Roughness Geometry used in Solar Air Heaters	International Journal of Engineering Research and General Science	July-August 2015
158	Alok Kumar Rohit, A.M. Lanjewar	Performance Evaluation of Solar Air Heater by Using W- Discrete Rib Pattern	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	2016
159	Alok Kumar Rohit, A.M. Lanjewar.	Assessment of Performance Characteristic of Solar Air Heater with Assorted Geometries	Int. Journal of Engineering Research and Applications (IJERA),	January 2016
160	Alok Kumar Rohit and Atul Lanjewar	Thermo-Hydraulic Performance Evaluation Using W-Discrete Rib in Solar Air Heater	Indian Journal of Science and Technology (INDJST),	May 2016
161	Alok Kumar Rohit and A.M. Lanjewar	W-Discrete Rib for Enhancing the Thermal Performance of Solar AirHeater	International Research Journal of Engineering and Technology (IRJET)	December 2015
162	Warudkar, Vilas et al	A Short Review on effect of heat treatment on microstructure and mechanical properties of ADC12/SiC metal matrix composite",	International Journal of Applied Mechanics and Materials	Vol. 813-814, pp 3-8, Trans Tech Publications, Switzerland. ISSN 1662-7482. (2015)
163	Warudkar, Vilas et al	Wind Energy: Current Status and Prospects in Indian Context	International Journal of Advance Research in Science and Engineering (IJARSE)	Vol.4, Iss pp 173-178. ISSN 2319-8354(P), 1219-8346(E). ue 11, November 2015
164	Warudkar, Vilas et al.	Recent Developments in Pantographic Leg Mechanisms of Robot	A Review" International Engineering Research Journal (IERJ)	Special Issue 3, Page 76-80, 2016, ISSN 2395-1621. (2015)
165	Warudkar, Vilas et al	"A Review on Recent Developments and Future Prospect of Wood Plastic Composites"	International Engineering Research Journal (IERJ) Special Issue 3, Page 113-116, ISSN 2395-1621.	2016
166	Warudkar, Vilas et al	Functioning and Assessment of Uncoated and PVD Coated Carbide Tool and its Vibration Analysis"	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878	Volume-4 Issue-3, July 2015. pp 58-64.
167	Warudkar, Vilas et al	Performance Estimation of Small Scale Wind Turbine Rotor for Very Low Wind Regime Condition	" International Journal of Environmental and Ecological Engineering	Vol:3, No:3, 2016
168	Warudkar, Vilas et al	Airfoil Selection for Low Reynolds Number Horizontal Axis Wind Turbine Blades	2nd International Conference on Applied Mechanics (INCAM-2015) at Indian Institute of Technology(IIT),	13-15 July, 2015

			Delhi.	
169	Warudkar, Vilas et al	Wind Energy	2nd International Conference on Recent Innovations in Science, Engineering and Management at Jawaharlal Nehru University (JNU, Convention Center), New Delhi	22nd November 2015.
170	Warudkar, Vilas et al	Performance estimation of Small scale wind turbine rotor for very Low wind regime Condition	18th International Conference on Disaster and Emergency Management : ICDEM 2016, World Academy of Science, Engineering and Technology, London, United Kingdom,	17-18, March 2016.
171	Warudkar, Vilas et al	Recent Developments in Pantographic Leg Mechanisms of Robot: A Review" ,	International Conference on Innovative Trends in Mechanical Engineering (IC ITME 2016), at ISB&M School of Technology, Pune, India,	March 10-12, 2016.
172	Warudkar, Vilas et al	A Review on Recent Developments and Future Prospect of Wood Plastic Composites"	International Conference on Innovative Trends in Mechanical Engineering (IC ITME 2016), at ISB&M School of Technology, Pune, India	March 10-12, 2016.
173	Sandeep Jaiswal & Dr. K.R Aharwal	Experimental investigation of heat transfer in a discrete rib roughened channel	International journal of emerging technology and advanced engineering	Volume 5 Issue 6 June 2015
174	Rajkumar Bhadul & Dr. K.R Aharwal	Performance analysis of axial flow cooling coil and mixed flow cooling coil in a cold storage using numerical method	International Journal for Scientific Research & Development	Volume 3 Issue 04, 2015 ISSN (online) 2321-0613
175	Abhinav Rajan Dr. K.R Aharwal, Rajkumar Bhadu	Performance analysis of cold storage for the different stacking arrangements	International Journal of Engineering Research and General Science	Volume 3, Issue 4, July-August, 2015
176	Aharwal KR, Faneshwar Sahu	Performance analysis of cold storage with energy heat recovery wheel	Indian journal of engineering	2016, 13(33)461-468
177	D.K Kasdekar	Optimization of Machining	Material Science Forum	Vol. 860, pp 61-64,

	V. Parashar P. Soni	Parameters in Electro Discharge Machining of AI6061-Cu-Sic-Graphite Metal Matrix Composite		July 2016
178	D.K Kasdekar V. Parashar	MADM approach for optimization of multiple responses in EDM of EN-353 steel	International Journal of Advanced Science and Technology	Vol. 83 (2015) , pp 59-70,
179	Anitha J, R. Das, M.K Pradhan	Multi objective optimization of Electrical discharge machining processes using artificial neural network	Jordan journal of Mechanical and Industrial Engineering	Volume 10 Number 1 March 2016
180	Prabhat R Kumar Mohan Kumar Pradhan	Improvement in Mechanical Property of Aluminium Alloy LM-6 Reinforcement with Silicon Carbide and Boron Carbide Particles	Journal on Material Science	Vol 4, No.1 April-June 2016
181	Mohan Kumar Pradhan	Optimisation of EDM process for MRR, TWR and Radial overcut of D2 steel Industrial and Systems Engineering (IJISE)	steel Industrial and Systems Engineering (IJISE)	Vol-23, No 4, pp-2016
182	Verma A	"An Overview of Supply Chain Competitiveness in Manufacturing Industries: Strategies and Framework",	International Journal on Innovative Research in Science Engineering & Technology	(Impact Factor – 1.682).
183	Singh G., Pradhan M.K. and Verma	"Effect-of-Injection-Moulding-Process-Parameter-on-Tensile-Strength-Using-Taguchi-Method	", International Journal of Mechanical, Aerospace, Industrial, Mechatronics and Manufacturing Engineering	Vol. 9, Issue 10, pp. 1719-1724.
184	Singh G., Pradhan M.K. and Verma	A Review of the Effect of Process Parameters on the Performance of Plastic Injection Moulding Process to Control the Warpage in Plastics	Materials Science Forum,	Vols. 830-831, pp. 116-119 **(SCOPUS)**
185	Dr. P.K Soni	5S Transfusion to Overall Equipment Effectiveness for Enhancing Manufacturing Productivity,	IRJET-, e International Journal of Engineering & Technology -ISSN: 2395-0056,	VOL.02, Issue 07, page 1211-1216
186	Dr. P.K Soni	Relationship of 5S & Manufacturing Performance with Mediator of TPM & TQM,	International Journal of Engineering & Technology, e-ISSN: 2395-0056,	VOL.02, Issue 07, page 1217-1222
187	Dr. P.K Soni	Implementation of condition based diagnosis as maintenance improvement structured approach: A FD Case study;	National conference on Tribology: Energy, Environment and Efficiency (NCTEEE-2016); Organised by CSIR-Advanced Materials and Processes	

			Research Institute, Bhopal (MP)	
188	Dr. P.K Soni	Statistical analysis on waste reduction from maintenance processes, International conference of Global symposium on Engineering and applied sciences (GSEAS) organized by Higher Education Forum (HEF) at Bangkok, Thailand from 8-11th March 2016; Proceeding ISBN: 978-986-5654-41-2, pp 97-105	International conference of Global symposium on Engineering and applied sciences (GSEAS) organized by Higher Education Forum (HEF) at Bangkok, Thailand	8-11th March 2016; Proceeding ISBN: 978-986-5654-41-2, pp 97-105
189	Dr. P.K Soni	Implementation of condition based diagnosis as maintenance implement strategy in turbo blower assembly	5th International conference Materials processing and characterization (ICMPE-2016) organized by Department of Mechanical Engineering, GRIET, at Hyderabad, India	12-13rd March 2016; Proceeding
190	Dr. P.K Soni	Analysis of Performance by overall equipment effectiveness of the Injection Molding section of an Automobile Industry, IRJET-	International Research Journal of Engineering & Technology, e-ISSN: 2395-0056,	VOL.03, Issue 05, page 379-381
191	Dr. P.K Soni	Development of an Expert System on Failures of Hydraulic Cylinder using Fuzzy Logic,	International Journal of Innovative Research in Sciences, Engineering and Technology, ISSN: 2319-8753	Vol.5, Issue 6, pp 10310-10317
192	Dr. P.K Soni	A Survey on Implementation of Poka-Yoke in Industries of Some Indian States;	International Journal of Innovative Research in Science, Engineering and Technology,	Vol. 5, Issue 6, ISSN(Online): 2319-8753, ISSN (Print) : 2347-6710, pp 11652- 11660
193	Dr. P.K Soni	Research Review on Reliability Centred Maintenance,	International Journal of Innovative Research in Science, Engineering and Technology	Vol. 5, Issue 6, ISSN (Online): 2319-8753, ISSN (Print) : 2347-6710, pp 9605-9612
194	Dr. P.K Soni	Application of Reliability Centred Maintenance on Horizontal Boring Machine; A Case study,	International Journal of Advanced Engineering Research and Science,	Vol-3, Issue-5, ISSN: 2349-6495, pp 1-8
Department of Material Science & Metallurgical Engineering				
195	Rahul Gupta Sanjay Srivastava Nand kishor Kumar, Sanjay k. Panthi	High Lead tin bronze processing during multidirectional for giving effect on microstructure and mechanical proposer.	Material Science & Engineering A	2016

196	Saurabh Dayal , C. Sasi kumar and Sanjay Srivastava	Development of Ultra smooth bablas diamond incorporated noncomposite thin film using PECVD Technique	J. Mater Sci: Mater electron (2016)	2016
197	P. Jain, S. Srivastava	Structural Investigation and zero field cooled Exchange Bias in Nano crystalline $LaFeO_3$	Journal of Super conductivity and Novel Magnetism Iccue & 1p 2089-2097 Pranat Jain, Sanjay Srivastava	2016, volume 29, Issue 8,
198	P. Jain, S. Srivastava	Investigation of structural, Magnetic and electrical Properties of pure LaFeO3 Synthesized through solution Combustion Technique.	Digest Journal of nano materials and Biostructeres	2015, P. 141-147.
199	P. Jain, S. Srivastava	Effect of Secondary phoses on the structure, morphology and dielectric properties of BiFeO3, Syuthesized through shtehied combushions technique	Ceramic Processing Research	2016
200	Saurabh Dayal, C. Sasikumar	Development of hierarchical layered α-MoO_3 nanostructured thin films using DC magnetron sputtering	Materials Research Express, IOP Science Journal Impact factor: 0.968	Accepted for publication, vol. xx, 2016,pp. xx-xx
201	Saurabh Dayal, C. Sasikumar Sanjay Srivastava	Development of ultra-smooth ballas diamond incorporated nano-composite carbon thin films using PECVD technique	Journal of materials science: materials in electronics, Springer Journal Impact factor: 1.569	vol.27,no.8, 2016, pp. 8188-8196.
202	Ajay Kumar Choubey, Geeta Agnihotri, C. Sasikumar	Prediction of Contact Pressure in Deep Drawing Process by FEM	Int. Journal of Advancement in Engineering Research	Vol. 10, No 11, 2015, pp. 10372-10376.
203	Jaya Bharti, Arshali Sasi, C. Sasi Kumar	Promising Nature of MoO3 Nanostructures in Gas Sensing Applications – A Review	Int.Journal of Advanced Engineering and Nano Technology	Volume-3 Issue-4, 2016, pp. 1-9. ISSN: 2347-6389.
Department of Chemical Engineering				
204	Dr. Bharat Modhera Rupali Jha, Rajnish Singh	Synthesis and Characterization of SAPOs Nanomaterial from Aqueous and Non-aqueous Media	International Journal of Scientific &Engineering Research	6 (12), 2015
205	Dr. Bharat Modhera Shikha Gangil, Chanchal Mewar, Ramesh Kumar Singh	Influence of Acid Catalyst on Two Step Transesterification of Karanja Oil with High Free Fatty Acids	Biofuels	6 (5-6), 2015
206	Dr. Bharat	Toxic Effects of Nanomaterials on	Annual Technical Volume	1, 2015

	Modhera Jitendra Kumar, Shikha Gangil, RupaliJ ha, Lekhraj Malviya	Human Health", chapter published in Publisher).	of Chemical Engineering Division Board	
207	Dr. Bharat Modhera MonikaVyas, Anil Sharma	BOD Approximation for Common Effluent Treatment Plant Using ANN", Capital Publishing Company).	Asian Journal of Water, Environment and Pollution	12 (1), 2015
208	Dr. Sunder Lal Pal Savita Dixit Sandhya Pal	Synthesis and Characterization of Cation Exchange PVA-g-PAA/PBI sulfone Membrane for the Electrolysis of Sodium Chloride	Journal of membrane Science and Research	Accepted, 2016
209	Dr. Sunder Lal Pal Deeptiraj Pant	Development of heterogeneous Ni-Ni complex/HPA-RNi catalyst for the hydrogenation of Benzene	Asian Journal of Chemistry	Accepted, 2016
210	Dr. Sunder Lal Pal Gulam Gaush Zeelani, Afzal Ashrafi, Ashok Dhakad, Gourav Gupta	Catalytic Oxidative desulfurization of liquid fuels: A review	International Research Journal of Engineering and Technology	03, 2016
211	Dr. Sunder Lal Pal Ramswaroopp Singh Thakur	Hydrogenolysis of Glycerol using complex Catalyst Fe-Fe/Al_2O_3	Asian Journal of Chemistry	2016
212	Dr. Sunder Lal Pal Deeptiraj Pant	Catalytic Oxidative Desulfurization (ODS) by Using HPA supported Alumina Catalyst	International Research Journal of Engineering and Technology (IRJET)	02, 2015
213	Dr. Sunder Lal Pal RichaTomer, Deeptiraj Pant and Ramswaroop Singh Thakur	Development of Mg-SO42-/ZrO2 Heterogeneous Catalyst forming Biodiesel from Karanja Oil	International Research Journal of Engineering and Technology (IRJET)	02, 2015
214	Dr. Sunder Lal Pal RichaTomer. DeeptirajPant Ramswaroop Singh Thakur	Development of Mg-SO42-/ZrO2Heterogeneous Catalyst- forming Biodiesel from Rice Bran Oil	International Journal of Innovation Sciences and Research	04, 2015
215	Dr. S. Suresh Snigdha Mandal, Abhinav Rai, Sachin Koshti, S. Arisutha	Performance of Microbial fuel cell and its dynamic parameters control through MATLAB simulation	Lecture notes in Computer Science (LNCS)	In press, 2015
216	Dr. S. Suresh H. L. Tiwari, A. Goel	Effect of Inverted T- Shape Splitter Blocks on the Performance of Stilling Basin Models	Aquatic Procedia	4, 2015

217	Dr. S. Suresh S Singh	Microbial fuel cells (MFCs): A suitable technology for wastewater treatment, bioenergy and bioproducts	Journal of Biofuels and Bioenergy	2(1), 2016
218	Dr. S. Suresh S. Arisutha, Prashant Baredar, D.M. Deshpande	Effects of Thermo-Chemical Pre-Treatment on Bamboo for Biogas Production	Indian Chemical Engineer.	1, 2016
Department of Electronics & Communication Engineering				
219	Dr. Dheeraj Agrawal,Uma Shankar Kurmi, R. K. Baghel	Test scheduling for parallel testing of cores in multilayered 3 D stacked SoCs of standard benchmark circuits	International Journal of Engineering Research	Volume No.3, Issue No.2, pp : 112-115,2014
220	Dr. Dheeraj Agrawal, Uma Shankar Kurmi, R. K. Baghel	Adjacency exclusion scheme based testing of multiple cores in four layered stacked SoC	International Journal of Scientific Engineering and Technology,	Volume No.3 Issue No.2, pp: 159 – 162, 2014
221	Dr. Dheeraj Agrawal ,Uma Shankar Kurmi, R. K. Baghel	A novel technique of digital rights management in digital watermaking	Engineering Universe for Scientific Research and Management	Vol.6 Issue 2, 2014
222	Amit Kumar Awasthy, Lalita Gupta	High speed low power error tolerant adder for image compression	International Journal of Computer Applications	Volume 99– No.12, August 2014, pp 34-37
223	Pritesh Tiwari, Lalita Gupta, Shlok Dixit	High speed low power error tolerant adder for low compression	International Journal of Advanced Research in Computer Science and Software Engineering	Vol 5, No. 1, Jan 2015, pp 1094-1097
224	Lalita Gupta Rahul Gupta Manoj Sharma	High Gain / Low NF EYDFA with Distributed Pumping	International Journal of Information and Computation Technology	Vol 4 No.11, 2014, pp 1029-1034
225	Dr. R. N. Yadav, Sanyam Shukla	Switching of code between the users for Enhancing the Security in OCDMA	International Journal of Computer Applications	Vol.115, issue 22, pp.14-18, 2015
226	Dr. R. N. Yadav Sanyam Shukla	100Gbps Long Reach Coherent PON Downstream Transmission using Dual Polarization - QPSK with Digital Signal Processing	International Journal of Computer Science and Information Security,	Vol.13, issue 3, pp.59-65, 2015
227	Dr. R. N. Yadav S. Mishra, R.P. Singh	Design of Optical Waveguides Carrying LP_{01} mode using FEM	IEEE Antennas and Wireless Propagation Letters,	Vol.14, pp.1219-1222, 2015
228	Dr. R. N. Yadav Poonam Sharma, K.V. Arya	Design of optical switching devices using all-optical half adder based on terahertz optical asymmetric de-multiplexer	IET Biometrics, IET/IEEE	Vol.3, Issue 3, pp. 128-138, 2014

229	O.P. Meena,Dr. Ajay Somkuwar	Performance analysis of long reach colorless wavelength division multiplexed-orthogonal frequency division multiplexing-passive optical network with broadcast capability	International Journal of Electrical, Electronics and Telecommunication Engineering, Recent Sciences Publication, ISSN: 2051-3240,	Vol.46, Issue1, p. 1512-1516, February 2015,Impact factor 2.221.
230	O. P. Meena, Dr. Ajay Somkuwar	Performance Analysis of Long Reach Coherent Detection OFDM-PON Downstream Transmission Using m-QAM Mapped OFDM Signal	International Journal of Computer Application, ISSN:0975 – 8887,	Vol. 114, No. 3, March 2015, p. 29-32, Peer reviewed and indexed in EBSCO, Google scholar.
231	Dr. Ajay Somkuwar	New Approach of Performance and Security Enhancement in Optical Networks	International Journal of Latest Technology in Engineering, Management & Applied Science, ISSN: 2278-2540,	Vol. 4, Issue 1, January 2015, p.1-9, Impact factor 1.356.
232	Dr. Ajay Somkuwar, Sandesh Sahu	Dynamic Task Distribution Model for On-Chip Reconfigurable High Speed Computing System	International Journal of Latest Technology in Engineering, Management & Applied Science, ISSN: 2278-2540,	Vol. 3, Issue 11, November 2014, p.9-13, Impact factor 1.356.
233	Indra Rawat,Virendra Singh, M K Gupta	A Novel Approach for diagnosis of noisy component in rolling bearing using Improved Empirical Mode Decomposition	International Journal of Computer Science and Communication Networks	Vol 5 (4), Aug - Sept 2015
234	Indra Rawat,Virendra Singh, M K Gupta	Bearing Fault Classification using ANN based Hilbert footprint Analysis	International Journal of Electronics and Communication Technology	Vol. 6, Issue 3, July - Sept 2015
235	Rashmi soni,M.K. Gupta	Occluded face recognition using feature selection approach	International conference (ICSTM) new delhi & international journal-IJARSE	Vol 3,feb 2015
236	Richa chaturvedi, M.K.Gupta, Rita jain	Leakage Reduction by using FinFET Technique for Nanoscale Technology Circuits	IJEEE Journal	Vol07, June 2015
237	Richa chaturvedi, M.K.Gupta, Rita jain	Ultra Low Power FinFET Based Domino Circuits	International conference on recent innovation in science, engineering and management	May 2015
238	Aditya Goyal, Nupur Agarwal	Ultra Low Power High Speed Domino Logic Circuit By Using Finfet Technology	International Journal of Computer Applications	vol. 111, 2015
239	Aditya Goyal, Sumit Gupta	Gate replacement with PMOS stacking for leakage reduction in VLSI circuits	(IJCSIS) International Journal of Computer Science and Information	vol. 13, 2015.

			Security	
240	Aditya Goyal, Gaurav Pandey	A Survey on Nano-Scale Double Gate CMOS Transistor	Optical and Quantum Electronics, Springer	vol. 47, Nov. 2015.
241	Aditya Goyal, Gaurav Pandey	Concept, Design, and Implementation of Reconfigurable CORDIC	IEEE Journal of Selected Topics in Quantum Electronics	vol. 22, March/April 2016.
242	Aditya Goyal, Veerappu Goutham, Gaurav Pandey	Galois Field based Area Efficient Montgomery Multiplier.	Optical and Quantum Electronics	vol. 48, July 2016
243	Aditya Goyal, Gaurav Pandey	A Comparative Study of Methodologies to Optimize Post-layout Challenges	Optical Engineering (SPIE)	vol. 55, 2016
244	Aditya Goyal ,Gaurav Pandey	Leakage Reduction by using FinFET Technique for Nanoscale Technology Circuits	Journal of Optical Communication	July 2016
245	,Aditya Goyal, Sumit Gupta	A generalized K-bit softened hard fusion technique for Cooperative Spectrum Sensing in Cognitive Radio Network	World Engineering & Applied Sciences Journal (ISSN 2079-2204)	vol. 7, 2016.
246	Arvind Rajawat, Mahendra Vucha	Analysis of Frequency Division Spectrum Sensing in Cognitive Radio Network for Nakagami Fading Channel	International Journal of Reconfigurable Computing	2015
247	Dheeraj Agrawal, Dubey R	Spectrum Sensing Methods for Cognitive Radio Networks: A Review	Springer (Scopus Index Journal)	Volume 380, pp 379-487,2015
248	Dheeraj Agrawal Dubey R	Performance Analysis of Throughput of Secondary Users and Packet Collision Probability of Primary user in Cognitive Radio Network	IET Science, Measurement, and Technology (SCI Journal)	vol 8,issue 9, pp 1016-1022, 2015.
249	Dheeraj Agrawal ,Uma Shankar Kurmi, R. K. Baghel	A Novel Multi-minislot Cooperative Spectrum Sensing Scheme in Cognitive Radio Networks	Human Frontier Scientific Program Journal	Vol 9, No 12 ,pp 86-94, 2015
250	Ajay Dadoriya	Performance Analysis of Decode–Amplify-and-Forward Scheme used in Relay-based Cooperative Spectrum Sensing in Cognitive Radio Network	Journal of Nanoelectronics and Optoelectronics (American Scientific Publishers) **SCIE**	
251	Ajay Dadoriya	Regularized Weight Circular Complex Valued Extreme Learning Machine for Imbalanced Learning	International Journal of Electronics Taylor & francis **SCI**	
252	Ajay Dadoriya	Directivity Estimaton of Short Dipole Antenna Array Using Radial Basis Function Neural	AEEE	

		Network		
253	Uday Panwar	Statistical feature extraction based technique for fast fractal image compression	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields	Article first published online: 13 OCT 2015 DOI: 10.1002/jnm.2112
254	Ajay Dadoriya	Hidden Explosive Detection System for Vehicle: A Review	Advanced Science Letters, American Scientific Publishers	Vol. 21, No. 9, Sept.2015, pp. 2830-2832(3)
255	Supriya Aggarwal	An Image Fusion Approach based on Adaptive Fuzzy Logic Model with Local Level Processing	IEEE Transactions on VLSI Systems	1063-8210 © 2015 IEEE
256	Ritu Gupta	A compact wideband printed LPDA antenna for WLAN applications in 5 GHZ band	International Journal of Computer Applications	Vol.127(3):, October 2015, pp.35-37
257	Bhavana Jain	Dual microphone beamforming algorithm for acoustic signals	International Journal of Computer Applications	Vol. 124(8):, August 2015, pp.27-30
258	Ajay Dadoriya	MATLAB simulation of subspace based high resolution direction of arrival estimation algorithm	Journal of Nanoelectronics and Optoelectronics (American Scientific Publishers) **SCIE**	
259	O.P.Meena, Ajay Somkuwar	Low standby leakage 12T SRAM cell characterization	International Journal of Electrical, Electronics and Telecommunication Engineering, Recent Sciences Publication	2015
260	O.P.Meena, Ajay Somkuwar	Optimized High Performance 10T SRAM Cell Characterization	International Journal of Computer Application	2015
261	O.P.Meena, Ajay Somkuwar	FPGA – based High Resolution Digital Pulse Width Modulator with Minimum Sequential Reset Logic	International Journal of Latest Technology in Engineering, Management & Applied Science	2015
262	Sandesh, O.P. Meena, Ajay Somkuwar	Transformer Tuned VCO for MMW Application	International Journal of Latest Technology in Engineering, Management & Applied Science	2014
263	Hemendra, Hirdesh, O.P.Meena	Improved Transient Response Capacitor-less Low Drop-out (LDO) Regulator using Current Mode Transconductance Amplifier and Slew Rate Enhancement Technique	International Journal of Computer Application, Volume 125 – No.10, September 2015	2015
264	Hirdesh, Hemendra O.P.Meena	Dual Band Micro Strip Patch Antenna using H-Slot	International Journal of Computer Application, Volume 136 – No.2, February 2016	2015
265	Dr. R.N. Yadav	A Survey on Load Management	IEEE	Vol.33,pp. 3048-

	Sanyam Shukla	Schemes in Routing Algorithms of Multi-Hop, Multi-Gateway Wireless Mesh Networks		3057,2015
266	Dr. R.N. Yadav Subhas Mishra ,	Life time enhancement through traffic optimization in WSN using PSO	IEEE	Vol.14, pp.1219-1222. 2015.
267	Vijayshri Chaurasia and Vaishali Chaurasia	Temperature and time efficient parallel test scheduling for 3D stacked SoCs	Journal of visual communication and Image Representation (ISSN: 1047-3203) (Accepted)	2016
268	Yashvant Kurmi and VijayshriChaurasia	Effect on temperature and time in parallel test scheduling with alterations in layers arrangements Of 3D stacked SoCs	International Journal of Computer Applications Volume 130 – No.10, November2015 (ISSN: 0975 – 8887)	2015
269	YashvantKurmi and VijayshriChaurasia	Low Offset Self Biased Rail-To Rail Output Buffer Amplifier For Liquid Crystal Display	International Journal of Computer Applications Volume 124 – No.1, August 2015 (ISSN: 0975 – 8887)	2015
270	Pawar S.S Madhu Shandilya	Dynamic Floating Output Stage For Low Power Buffer Amplifier For LCD Application	International journal of computer applications	Vol.136,NO-10,Feb 2016
271	Pallavi Agrawal Madhu Shandilya	MATALB Model of Perturb andObserve Technique For Maximum Power Point Tracking	International journal of computer applications	Vol.129 No.-11 Nov. 2015
Department of Computer Science & Engineering				
272	Dr. Meenu Chawla Raju Barskar	A Survey on Efficient Group Key Management Schemes in Wireless Networks	Indian Journal of Science and Technology	Vol 9(14), April 2016
273	Dr. Meenu Chawla Sangeeta Sharma	A three phase optimization method for precopy based VM live migration	SpringerPlus	2016 Jul 8;5(1):1022. doi: 10.1186/s40064-016-2642-2. eCollection 2016.
274	Dr. Meenu Chawla Raju Barskar	Vehicular Ad hoc Networks and its Applications in Diversified Fields	International Journal of Computer Applications	Volume 123 – No.10, August 2015
275	Dr. Meenu Chawla Mohit Sharma, Vinesh Jain, Jyoti Gajrani	An Improved Feature Vector storage metric for fast Android Malware Detection Framework	IOSR Journal of Computer Engineering	Volume 17, Issue 4, July – Aug. 2015
276	Dr. R. K. Pateriya Rajeeev Kumar Gupta and RK Pateriya	Energy Efficient Virtual Machine Placement Approach For Balanced Resource Utilization In Cloud Environment	International Journal of Cloud Computing and Super Computing (IJCS)	Vol. 2 2015
277	Dr. R. K. Pateriya	An Efficient Virtual Machine	International Journal of	Vol 7 (3)

	VS Rathor, RK Pateriya, Rajeev K Gupta	Scheduling Technique in Cloud Computing Environment	Modern Education and Computer Science	2015
278	Dr. R. K. Pateriya DebabrataSarddar Enakshmi Nandi, Rajeev Kumar Gupta RK Pateriya,	Implementation of Dynamic Time Quantum Shortest Load First Scheduling for Efficient Load Balancing	International Journal of Cloud-Computing and Super-Computing	Vol 2 2015
279	Dr. R. K. Pateriya B Bansinge, RK Pateriya	A Contrast Measure based Approach to Binaries Handwritten Documents through MRF	International Journal of Computer Applications	Vol 123 2015
280	Dr. R. K. Pateriya P Shukla, RK Pateriya	IQR based Approach for Energy Efficient Dynamic VM Consolidation for Green Cloud Data Centers	International Journal of Computer Applications	Vol 123 (9) 2015
281	Dr. R. K. Pateriya P Shukla, RK Pateriya	Review on Various Energy-Aware and SLA Violation Reduction Techniques	International Journal of Computer Applications	Vol 117 (10) 2015
282	Dr. R. K. Pateriya A Sharma, RK Pateriya	A Survey on various Image Filtering Approaches to remove Impulse Noise	International Journal Of Computer Engineering In Research Trends	Vol 2 (5) 2015
283	Dr. Nilay Khare HemaDubey Laxmi Narayan	Parallel K-Means PageRank Algorithm Based on MapReduce	International Journal of Computer Science and Information Security (Thomson Reuters Indexed)	2016
284	Dr. Nilay Khare Dheerendra Pratap Singh	Efficient Parallel Implementation of Single Source Shortest Path algorithm on GPU Using CUDA	International Journal of Applied Engineering Research (Scopus)	Volume 11,Number 4 (2016) Pp 2560-2567
285	Dr. Nilay Khare Hema Dubey, Dr. AppuKuttan K.K Shreyas Bhatia	Improved Parallel PageRank Algorithm for Spam Filtering	Indian Journal of Science & Technology (Scopus, Web of Science, Elsevier)	2016
286	Dr. Nilay Khare Jaideep Patel	Fuzzy and Parallel Enhanced Congestion Detection and Avoidance for Multiple Class of Traffic in Wireless Network	Indian Journal of Science & Technology (Scopus, Web of Science, Elsevier)	2016
287	Dr. Nilay Khare Vipin Tiwari	Hardware Implementation of Neural network With Sigmoidal Activation Function Using Cordic	Microprocessor and Microsystems Elsevier (SCI)	Volume 39, Issue 6, pp 373-381, August 2015
288	Dr. Nilay Khare Ashish Mishra	Analysis of DVFS Techniques for Improving the GPU Energy Efficiency	Open Journal of Energy Efficient	Volume 4, Pp 77-86 December 2015

289	Dr. Praveen Kaushik Ms.Shaheen Ayyub	Securing Images in Cloud using Hyper Chaos with User Authentication	International Journal of Computer Applications	Vol. 121 – No.17, pp. 18-23, July 2015
290	Dr. Praveen Kaushik Ms.Taskeen Fatima	Understanding NoSQLDataBase by Differentiating PNUTS with Dynamo	International Journal of Advanced Engineering and Global Technology	Vol-03, Issue -07, pp. 927-933, July 2015
291	Dr. Praveen Kaushik Mr.Dileep Kumar Singh	Analysis of Decision Making Factors for Automated Intrusion Response System (AIRS): A Review	IJCSIS	Vol. 14 No. 6 (part2) pp. (pp. 471-478), June 2016
292	Dr. Praveen Kaushik Ms.AnkitaSoni	Real Time Variable Voltage Scaling to Design Energy Efficient Systems	IJCSIS	Vol. 14 No. 6 (part3) (pp. 812-820), June2016
293	Dr. Deepak S. Tomar Vineeta Jain, and DivyaRishSahu	Evidence Gathering of Line Messenger on iPhones	International Journal of Innovations in Engineering and Management	Vol. 4 2015
294	Dr. Manish Pandey Saurabh Gupta	Performance Improvement in MapReduce via Overlapping of Mapper and Reducer	International Journal of Computer Science and Information Security(IJCSIS)	ISSN(1947-5500) Vol 14(7) 572-588 July 2016
295	Dr. Manish Pandey Santosh Kumar	Energy Aware Resource Management for Cloud Data Centers	International Journal of Computer Science and Information Security(IJCSIS	ISSN(1947-5500) Vol 14(7) 844-853 July 2016
296	Dr. Manish Pandey RuchiLawaniya	A Fast Priority-Flood Algorithm with Pruning for Depression Filling in Hydrologic Analysis	International Journal of Computer Science and Information Security(IJCSIS)	ISSN(1947-5500) Vol 14(7) 694-705 July 2016
297	Dr. Manasi Gyanchandani Tarang Kumar,Rajesh Wadhwani	Android Malware Analysis: A Survey paper	International Journal of Control, Automation, Communication and Systems (IJCACS)	Vol.1, No.1, July 2015
298	Dr. Manasi Gyanchandani Jeripothula Prudviraj Rajesh Wadhwani	Content-based Image Retrieval using Conflation of Wavelet Transformation and CIECAM02 Color Histogram	International Journal of Computer Applications	Vol 126, No. 5, Sept. 2015
299	Dr. Sweta Jain AnkitaNayal	Literature Review on Security Aspects of Delay Tolerant Networks	International Journal of Computer Applications (0975 – 8887)	Volume 116 – No. 9, April 2015
300	Dr. Sweta Jain Vinuraj. R	Application of Modified ACO Meta heuristic in Spray and Wait Routing	International Journal of Computer Networks and Applications (IJCNA)	Volume 2, Issue 5, September – October (2015)
301	Tarang Kumar,	Android Malware Analysis: A	International Journal of	Vol.1, No.1, July 2015

	Rajesh Wadhwani	Survey paper	Control, Automation, Communication and Systems (IJCACS)	
302	Jeripothula Prudviraj Rajesh Wadhwani	Content-based Image Retrieval using Conflation of Wavelet Transformation and CIECAM02 Color Histogram	International Journal of Computer Applications	Vol 126, No. 5, Sept. 2015
303	SanyamShukla R. N. Yadav	Regularized Weighted Circular Complex-Valued Extreme Learning Machine for Imbalanced Learning	IEEE Access	Vol.3, 2015
304	SanyamShukla R. N. Yadav	Unweighted Class Specific Soft Voting based ensemble of Extreme Learning Machine and its variant	International Journal of Computer Science and Information Security	2015
305	SanyamShukla R. N. Yadav	Voting based Extreme Learning Machine with Accuracy based ensemble Pruning	International Journal of Computer Applications	2015
306	Dr. Akhtar Rasool Nitin Kumar	Keyword Aware hotel recommendation System	IJCSIS	Vol-14 Aug 2016
307	Dr. Akhtar Rasool Amreshkumar	Parallel Ant Colony Algorithms for Multi-dimensional 0/1 knapsack problem	IJCSIS	Vol-14 Aug 2016
308	Dr. D. P. Singh NilayKhare	Efficient Parallel Implementation of Single Source Shortest Path Algorithm on GPU Using CUDA	International Journal of Applied Engineering Research	Volume 11, Number 4 (2016) pp 2560-2567
309	SaketAcharya Namita Tiwari	Survey Of DDoS Attacks Based On TCP/IP Protocol Vulnerabilities	IOSR Journal of Computer Engineering (IOSR-JCE)	Volume 18, Issue 3, Ver. IV (May-Jun. 2016), PP 68-76
310	Tripti Dhruw Namita Tiwari	Different Method Used in Pixel Value Differencing Algorithm	IOSR Journal of Computer Engineering (IOSR-JCE)	Volume 18, Issue 3, Ver. IV (May-Jun. 2016), PP 102-109
Department of Biological Science & Engineering				
311	Dr. Rahul M Shrivastava	Toxic effect of chemicals dumped in premises of UCIL, Bhopal leading to environmental pollution: An in silico approach	Asian Pacific Journal of Tropical Disease	2016; 6(4):284-290.
312	Dr. Khushhali Menaria	Gene co-expression network analysis reveals common system-level properties of genes involved in tuberculosis across independent gene expression studies, Network Modeling Analysis	Health Informatics and Bioinformatics	Vol. 5(1), 1-13.2016.
313	Dr. Khushhali Menaria	Genomes to Hits In Silico - A Country Path Today, A HighwayTomorrow: A Case Study of Chikungunya.	Current Pharmaceutical Design.	Vol. 19, 2015.

Department of Architecture & Planning				
314	Dr. Alka Bharat Aradhana Hans	Developing a Framework for Analyzing End Use Water Demand	IJERT	September 2015
315	Dr. Alka Bharat Arti Jaiswal	Exploring Criteria to Locate Solid Waste Transfer Stations in Urban Areas	International Journal on Solid Waste Tech. & Management	February 2016
316	Dr. Rekha Jain Dr. K.K. Dhote CharumitraBoudd ha	Conceptual Framework for Slum Free City Planning: An Urban Environment Management Approach	International Journal of Housing and Human Settlement Planning	Volume 1 Issue 1, 2015
317	Dr. Rekha Jain A.K. Sharma Ajay Pratap Singh	A Fuzzy Based Methodology for Users Perception Evaluation for Low Floor Buses for Bhopal City	International Journal of Applied Engineering & Research	Volume 10, No. 22
318	Dr. Rekha Jain Santosh Tiwari	SBS: An Architects Perspective	Journal of International Academic Research	Volume 4 Issue 2, March 2016
319	Dr. Yogesh Garg Ajay K. Vinodia and Dr. Sanjeev Singh	"Analyzing significance of parameters for assessment of contextual variations among the slums: A case study of Bhopal, India"	International Journal of Emerging Technology and Research	Volume 2, Issue 2, May – June 2015
320	Dr. Yogesh Garg Ajay K. Vinodia and Dr. Sanjeev Singh	"Tenability scanner: A theoretical framework for classification of slums in India"	International Research Journal of Social Sciences	Volume 4(7), july 2015, pp 70-77
321	Dr. Yogesh Garg Ankita Srivastava and NakulDhagat	"Preferences of landscape elements at different housing typologies in Indian context"	International Journal of Landscape Planning and Architecture	Vol. 1: Issue 2, pp 1-9
322	Dr. Rajat Soni	Climate Change induced warming impacts on energy requirements of Urban built environment: a case of Bhopal	International Journal of Advanced Engineering Research and Science	Volume 2, Issue 3, March 2015
323	Dr. Rajat Soni	Climate Change induced flash floods damage estimation for residential buildings: a case of Bhopal	International Journal Of Core Engineering & Management (IJCEM)	Volume 1, Issue 10, January 2015
324	Dr. Rajshree Kamat	Planning and Managing Earthquake & Flood Prone Towns	Science Citation Index Journal Stochastic Environmental Research and Risk Assessment (SERRA) Publisher Springer India	Journal no. 477 Print (Feb 2015) 29:527-545
325	Dr. Preeti Omkar H. Simran	Changing Cultural Spaces	International Journal of Sustainable Development and Planning	Volume 3, June 2015

Department of Mathematics & MCA				
326	M. Agrawal KR Pardasani	Finite Element Model to Study Temperature Distribution in Skin and Deep Tissues of Human Limbs	Journal of Thermal Biology (2016)	Available online 21 July 2016
327	Amita Jain KR Pardasani	Fuzzy soft set model for mining amino acid associations in peptide sequences of Mycobacterium tuberculosis complex (MTBC).	Journal of Intelligent & Fuzzy Systems	vol. 31, no. 1, pp. 259-273, 2016
328	Amita Jain KR Pardasani	Soft fuzzy model for mining amino acid associations in peptide sequences of Mycobacterium tuberculosis complex	CURRENT SCIENCE	Volume 110 Number 4, 25 FEBRUARY 2016
329	M Agrawal KR Pardasani N Adlakha	Finite Element Model to study the thermal effect of tumors in dermal regions of irregular tapered shaped human limbs	International Journal of Thermal Sciences, Elsevier	Vol.98(2015),287-295
330	Amita Jain KR Pardasani	Mining fuzzy amino acid associations in peptide sequences of mycobacterium tuberculosis complex (MTBC)	Network Modeling Analysis in Health Informatics and Bioinformatics, Springer	4 (1), 1-14,2015
331	SomduttMujwar K R Pardasani	Prediction of riboswitch as a potential drug target and design of its optimal inhibitors for mycobacterium tuberculosis	International Journal of Computational Biology and Drug Design. Inderscience	Vol.8, No.4, pp.326 – 347, 2015
332	Tyagi-Tiwari D. Sujoy Das Manoj Jha Namita Srivastava	Biclustering using Parallel fuzzy approach for Analysis of Microarray gene expression data	International Journal of Computer Science and Security	Vol. 9, issue 4, 2015
333	Tyagi-Tiwari D. Das S. Srivastava N.	Two-Way Clustering Analysis using Parallel Fuzzy Approach for Microarray Gene Expression Data	International Journal of Computer Applications	124(9):39-45, August 2015
334	Vaidyanathan R. Das S. Srivastava N.	A Study on Retrieval Models and Query Expansion	International Journal of Scientific and Engineering	Research, Volume 6, Issue2. Year 2015
335	Vaidyanathan R. Das S. Srivastava, N.	Query Expansion based on Central Tendency and PRF for Monolingual Retrieval	International Journal of Information Retrieval Research	Volume 6, Issue4. Oct-Dec 2016
336	Verma Neetu Sujoy Das Namita Srivastava	Multiple kernel support vector regression with higher norm in option pricing	International Journal of Applied Engineering Research	Volume 11,Number 5(2016)pp3168-3174
337	R. Aziz C. Verma N. Srivastava	A Fuzzy Based Feature Selection from Independent Component Subspace for Machine learning Classification of Microarray Data	Genomics Data	(2016). Volume 8 June 2016, Pages 4–15
338	Dr. Sanjay Sharma	Performance Evaluation of IPv4 and	International Journal of	Volume 3, number

	Sonal Telang Chandel	IPv6 Routing Protocols on Wired, Wireless and Hybrid Networks.s	Computer Networks and Applications (IJCNA)	3, pp 57-62, May 2016.
339	Dr. Sanjay Sharma Sanjeev Sharma	Performance Evaluation of routing in MANETs based on QoS parameters.	International Journal of Modern Computer Science and Applications (IJMCSA)	Volume 4, issue 1, pp 49-54, Jan 2016
340	Dr. Sanjay Sharma Devendra Kumar Jain	Cooperative Caching Strategy in Mobile Ad Hoc Networks for Cache the Replaced Data Item.	Wireless Personal Communications Springer	Volume 84, Issue 4, pp 2613–2634, October 2015
341	Dr. Sanjay Sharma Dipti Chauhan	Addressing the Bandwidth Issue in End-To-End Header Compression over IPv6 Tunneling Mechanism.	International Journal Computer Network and Information Security	Volume 7, number 9, pp 39-45, July 2015
342	Dr. Madhvi Shakya Namrata Gupta	A Two Dimensional Mathematical Model to Analyse Thermal Variations in Skin and Subcutaneous Tissue Region of Human Limb during Surgical Wound Healing.	Applied Mathematics, Scientific Research Publishing,	Vol 7, Issue 2, pp145-158. GJIF 0.55 2016
343	Aarti Kumar and Sujoy Das	Typology for Linguistic Pattern in English-Hindi Journalistic Text Reuse	International Journal of Information Technology and Computer Science (IJITCS)	vol. 8, no. 8, pp 75-86, Aug. 2016
344	Aarti Kumar and Sujoy Das	Dealing with Relevance Ranking in Cross-Lingual Cross- Script Text Reuse	International Journal of Information Retrieval and Research (IJIRR)	vol.6, no.1,Jan. 2016
345	Sushil Kumar Verma,DR.R. S. Thakur,ShaileshJaloree	Fuzzy Association Rule Mining Based Model to Predict Students Performance	International Journal of Computer Science and Information Security, IJCSIS	May 2016
346	Dhirendra Kumar Jha, R. S. Thakur, and Harish Nagar	A Review on Web Access Pattern Approaches	International Research Journal of Engineering & Applied Sciences (IRJEAS)	Volume-4 Issue-1, 2016
347	Dhirendra Kumar Jha, R. S. Thakur, and Harish Nagar	A Comparative Analysis of CSPSOM and Personalized Collaborative Filtering in the Progressive Dataset	International Journal of Current Trends in Engineering & Technology (IJCTET)	Volume-2, Issue-1, pp. 14-15, 2016
348	Prajapat, Shaligram, Ramjeevan Singh Thakur	Cryptic Mining for Automatic Variable Key Based Cryptosystem	Elsevier Procedia Computer Science	Vol. 78 (78C), pp. 199-209, 2016
349	Prajapat, Shaligram, Ramjeevan Singh Thakur	Realization of information exchange with Fibo-Q based Symmetric Cryptosystem	International Journal of Computer Science and Information Security	Vol 14(2), pp. 216-223, 2016
350	Prajapat, Shaligram, Ramjeevan Singh Thakur	Cryptic Mining: Apriori Analysis of Parameterized Automatic Variable Key based Symmetric Cryptosystem	International Journal of Computer Science and Information Security	Vol. 14 (2), 2016
351	KamleySachin,JaloreeShailesh, and	Performance Comparison Between Forward and Backward	International Journal of Computer Science and	Vol.14, March 2016

	Thakur R.S.	Chaining Rule Based Expert System Approaches over Global Stock Exchanges	Information Security (IJCSIS)	
352	Vivek Tiwari, R. S. Thakur	Pattern Warehouse: Context Based Modeling and Quality Issues, accepted in National Academy of Sciences	National Academy of Sciences, India Section A: Physical Sciences, Springer	2015,DOI :10.1007/s40010-015-0262-9.
353	Vivek Tiwari, R. S. Thakur	P2MS- A Phase-Wise Pattern Management System for Pattern Warehouse	Int. J. of Data Mining, Modeling and Management (IJDMMM)	Vol. 7,2015
354	KamleySachin, JaloreeShailesh, and Thakur R.S.	Long Term and Short Term Investment Strategy for Predicting the Performance of Bombay Stock Exchange of India Using MLP Model	Indian Journal of Science and Technology (IJST)	Vol. 8, sep- 2015
355	VivekBadhe, R. S Thakur and G. S Thakur,	A Model for Profit Pattern Mining Based on Genetic Algorithm	International Journal of Research in Engineering and Technology	2015 (accepted)
356	YachanaBhawsar, G.S. Thakur, R.S. Thakur,	Combining Jaccard's Coefficient with Fuzzy Soft Set for Predicting Links in Social Media	Research Journal of Computer & Information Technology Science	vol.3(2), May 2016
357	YachanaBhawsar, G.S. Thakur, R.S. Thakur	Model for link prediction in social network by Genetic Algorithm Approach	CiiT international journal of data mining and knowledge engineering	Vol. 7(5), 2015.
358	Prajapat, Shaligram, R. S. Thakur	Optimal Key Size of the AVK for Symmetric Key Encryption.	In Covenant Journal of Information & Communication Technology	Vol.3(2), 2015
359	Prajapat, Shaligram, R. S. Thakur	Various Approaches towards Crypt-analysis	International Journal of Computer Applications	Vol. 127(14),2015
360	Prajapat, Shaligram, Thakur, A., Maheshwari, K., & R. S. Thakur	Cryptic Mining in Light of Artificial Intelligence	International Journal of Advanced Computer Science and Applications (IJACSA)	Volume 6(8),2015
361	ShaligramPrajapat, Gaurav Parmar, R. S. Thakur	Towards investigation of efficient Cryptosystem using Sgcrypter	International Journal of Applied Engineering and Research (IJAER)	Vol. 10 (79),2015
362	Sowmya Dhawan UshaChouhan	Structural and Functional Characterization of Hericiumerinaceum, Manganese Peroxidase as an Antioxidant against Iron Induced Parkinson's Disease	International Journal of Science and Research (IJSR)	Volume 4 Issue 8, August 2015
363	Mona Dwivedi UshaChouhan	Finite Element Model to Study the Thermal Effect of Tumor in Human Head	IOSR Journal of Mathematics (IOSR-JM)	Vol 11(4) PP 43-50(Jul - Aug. 2015),
364	Sowmya Dhawan UshaChouhan	Phylogenetic and in silico structural and functional analysis of RIP's as	IOSR journal	Volume 10, Issue 4 Ver. II (Jul - Aug.

		immunolesioning agents.		2015), PP 41-51
365	Afzal Hussain Usha Chouhan Chandan Kumar Verma	Identification of novel inhibi-tors against CyclinDepende-nt Kinase 9/Cyclin T1 complex as Anti cancer agent	Saudi Journal of Biological Sciences	22 October 2015
366	Nisha Singhal UshaChouhan	An Application of Generalized Fuzzy Soft Sets in a Social Decision Making Problem	International journal of Computer, Electrical, Automation, Control and Information Engineering (WASET)	Vol: 9(3) : 872-876, 2015
367	Manish Kumar Sinha UshaChouhan	In SilicoPhylogenetic Analysis and Estimation of Diverg-ence Time for Ebola Virus usingBayesian Inference	International Journal of Latest Trends in Engineering and Technology (IJLTET)	Vol. 5 Issue 4 July 2015
368	Ritu UshaChouhan	Computational Approaches to Study Dissolution Kinetics and their Profiles Similitude of QuetiapineFumarate	International Journal of Pharma and Bio Sciences	Vol. 6(4): (B) 94 – 100, 2015 Oct
369	Monica Sharma UshaChouhan	Model Dependant and Statistical Approaches to Study ReleaseKinetics of Meloxi-cam Release Matrix Tablets	International Journal of Pharma and Bio Sciences	Vol. 6(4): (B) 258 – 264, 2015 Oct
370	Sumedh Junghare Usha Chouhan	Genetic Programming Approach for the Modelling of Aspirin ExtendedRelease Tablets	International Journal for Scientific Research & Development	Vol. 3, Issue 06, 2015
371	Sunil Kumar Suryawanshi Usha Chouhan	Application of Bioinformatics in the Prediction and Identification of Potential Antimicrobial Peptides from *Curcuma longa*	Biosciences Biotechnology Research Communications	Vol 9(2) : 216-224, 2016
372	Dr. Chandan Verma Afzal Hussain	"Recognition of New Inhibitor of CDK9/Cyclin T1 Complex: as Persuasive Anticancer Agent"	International Journal of Advanced Biotechnology and Research (ESCI)	Vol-7, Issue-2, 2016
373	Dr. Chandan Verma Manoj Jha Abhay Banker	Targeting Human Bocavirus VP-2 protein by combining pharmacophore, molecular docking and ADME-Tox approaches to identify best-optimized novel drug candidate	International Multidisciplinary Life Science Journal: Helix (ESCI) (SCOPUS)	Volume 5 , 2016
374	Dr. Chandan Verma NishantSoni	Microarray: A Commanding Approach to Study Gene Expression in The Prevailing Scientific Era	International Journal of Advanced Biotechnology and Research (ESCI)	Vol-7, Issue-1, 2016
375	Dr. Chandan Verma Namita Srivashtava Rabia Aziz	A fuzzy based feature selection from independent component subspace for machine learning classification of microarray data	Genomics Data (ELSEVIER) (ESCI)	Volume 8 , 2016
376	Dr. Chandan Verma	Prediction Of Protein Secondary	International	Accepted

	Manoj Jha RajnishVashitha	Structure Using LIBSVM and SSVM With Different Kernel Function	Multidisciplinary Life Science Journal: Helix (ESCI) (SCOPUS)	
377	Dr. Manoj Jha C K Verma Abhay Banker	Targeting Human Bocavirus VP-2 protein by combining pharmacophore, molecular docking and ADME-Tox approaches to identify best-optimized novel drug candidate	International Multidisciplinary Life Science Journal: Helix (ESCI) (SCOPUS)	Volume 5 , 2016
378	Dr. Manoj Jha C.K.Verma RajnishVashitha	Prediction Of Protein Secondary Structure Using LIBSVM and SSVM With Different Kernel Function	International Multidisciplinary Life Science Journal: Helix (ESCI) (SCOPUS)	Accepted
379	Dr. Manoj Jha Dwitiya Tyagi-Tiwari Sujoy Das Namita Srivastava	Biclustering using Parallel Fuzzy Approach for Analysis of Microarray Gene Expression Data	International Journal of Computer Science and Security (IJCSS)	Volume- 9 Issue - 5 2015
380	Dr. Manoj Jha Jagdish Pahade	Trace of Positive Integer Power of Real 2 × 2 Matrices	Advances in Linear Algebra & Matrix Theory	Volume 5 2015
381	Brijesh Bakariya G.S. Thakur	Mining Rare Itemsets from Weblog Data"	National Academy Science Letters, 2015 page 1-5, (Springer),	2015 page 1-5, (Springer),
382	Brijesh Bakariya G.S. Thakur	Pattern Mining Approach for Social Net-work Service	National Academy Science Letters, 2015 page 1-5, (Springer),	2015(Accepted). Springer ,
383	Yachana Bhawsar G.S. Thakur	Performance Evaluation of Link Prediction Techniques Based on Fuzzy Soft Set and Markov Model	Fuzzy Information and Engineering,	Volume 8, Issue 1, March 2016, Pages 113–126(Elsevier)
384	Krishna K. Mohbey G. S. Thakur	,Interesting User Behaviour Prediction in Mobile E-commerce Environment using Constraints	Taylor & Francis in IETE Technical Review,	
385	Brijesh Bakariyaa G.S. Thakur	An Efficient Algorithm for Extracting High Utility Itemsets from Weblog Data	Taylor & Francis in IETE Technical Review 2015	2015
386	Krishna K. Mohbey G.S. Thakur	Constraint based Interesting Location and Mobile Web Service Sequence Mining in M-commerce Environment	Journal of Theoretical and Applied Electronic Commerce Research,	ISSN 0718-1876, 11(1):84-95, 2016 (SCOPUS), 2015
387	Krishna K. Mohbey G. S. Thakur	Framework for finding maximal association rules in mobile webserviceenvironment using soft	International Journal of Data Science(IJDS) inderscience	2015.(in press)

		set		
388	Dr. J. P. Jaiswal Anuradha Singh	A class of optimal eighth-order Steffensen-type iterative methods for solving nonlinear equations and their basins of attraction	Applied Mathematics and Information Sciences	Appl. Math. Inf. Sci. 10, 251-257 (2016). (SCIE & Impact factor 1.232)
389	Dr. J. P. Jaiswal Avdhesh Pandey	Non-existence of harmonic maps on trans-Sasakian manifolds	Lobachevski Journal of Mathematics	37(2), 185-192 (2016) (Springer) (Scopus indexing)
390	Dr. J. P. Jaiswal	Improved Bi-accelerator convergence derivative-free with memory family for solving nonlinear equations	Journal of Applied Analysis and Computation	6(1), 196-206 (2016). (SCIE & Impact factor 0.844)
Department of Physics and Centre of Nanoscience and Engineering				
391	O Subohi, R Singh, GS Kumar, M M Malik, R Kurchania.	Impedance analysis and dielectric properties of Ce modified bismuth titanate lead free ceramics synthesized using solution combustion route.	Journal of Materials Science: Materials in Electronics.	Vol. 26 (11), 9122-9133 (2015)
392	S Kumar, R Purohit, M M Malik .	Properties and Applications of Polymer Matrix Nano Composite Materials.	Materials Today: (Proceedings)	Vol. 2(4), 3704-3711 (2015
394	V Kabra, L Hashmi, M M Malik	Fabrication and Characterization of Solution Processed n-ZnO/p-Si Nano Heterojunction Diode.	Materials Today: Proceedings .	Vol. 2 (9), 4544-4549 (2015
395	SK Sharma, MM Malik .	Temperature dependent emission characteristics of monoclinic YBO 3: Eu 3+/Tb 3+ phosphor.	Journal of Luminescence.	Vol.173, 231-236 (2016).
396	UK Dwivedi, M Trihotri, SC Gupta, Fozia H Khan, MM Malik, MS Qureshi.	Effect of carbon nanotubes implantation on electrical properties of sisal fibre–epoxy composites	Composite Interfaces.	Vol.10 (2016). Pp 1-13
397	P K Patel, MM Malik, T Gupta.	Optimization Techniques for High Performance 9T SRAM Cell Design. Proceedings of First International Conference on Information and Communication Technology for Intelligent System.	Springer International Publishing.	Vol.(1) 269-279 (2016).
398	O Subohi, GS Kumar, MM Malik., R Kurchania.	Effect of B-site isovalent doping on electrical and ferroelectric properties of lead free bismuth titanate ceramics.	Journal of Physics and Chemistry of Solids.	Vol. 93, 91-99 (2016).
399	O Subohi, CR Bowen, MM Malik, R Kurchani.a	Dielectric spectroscopy and ferroelectric properties of magnesium modified bismuth titanate ceramics.	Journal of Alloys and Compounds	Vol. 688, 27-36 (2016).
400	M Shafeeq M, GK Gupta, M M Malik, V Sampath, OP	Influence of Quenching Methods on Martensitic Transformation and Mechanical Properties of P/M	Powder Metallurgy	(2016) Accepted For Publication.

	Modi.	Processed Cu-Al-Ni-Ti Shape Memory Alloys.		
401	V. Talakokula, S. Bhalla, R. J. Ball, C. R. Bowen,G. L. Pesce, R. Kurchania, B. Bhattacharjee, A. Gupta, K. Paine	Diagnosis of carbonation induced corrosion initiation and progression in reinforced concrete structures using piezo-impedance transducers	Sensors and Actuators A: Physical (Elsevier)	Vol. 242, Pp. 79-91, (2016)
402	P. Pathak, R. Kurchania	Study of photoluminescence and thermoluminescence properties of $BaAl_2O_4$ (Eu^{2+}, Dy^{3+}) phosphor synthesised by solution combustion method	Radiation Physics and Chemistry (Elsevier)	Vol. 127, Pp. 56-61, (2016)
403	A.Sharma, A. Dubey, R. Kurchania	Vinyl carbazole (VC) functionalized mesoporous silica polymer nanocomposites (SBA/VC) for the antibacterial activity studies	Journal of Porous Materials (Springer)	Vol. 23 (4), 851-855 (2016)
404	G. K. Tripathi, R. Kurchania	Effect of doping on structural, optical and photocatalytic properties of bismuth oxychloride nanomaterials	Journal of Materials Science: Materials in Electronics (Springer)	Vol. 27(5), Pp. 5079-5088, (2016)
405	G. K. Tripathi, I.D. Sharma, V.C. Kant, R. R. Pandey, K.K. Saini, R. Kurchania	Characterization of the Photocatalytic Activity of Bismuth Oxychloride Nanostructures	Analytical Letters (Taylor & Francis)	Vol. 49(9), Pp. 1452-1466, (2016)
406	S. Rajawat, R. Kurchania, K. Rajukumar, S. Pitale, S. Saha, M.S.Qureshi	Study of Anti-Cancer Properties of Green Silver Nanoparticles against MCF-7 Breast Cancer Cell Lines	Green Processing and Synthesis (De Gruyter)	Vol. 5 (2), Pp 173-181 (2016)
407	P. Pathak, R. Kurchania	Thermoluminescence and kinetic parameters of synthesised $BaAl_2O_4$(Dy) phosphor irradiated with gamma and mega-voltage radiation	Optik-International Journal for Light and Electron Optics (Elsevier)	Vol. 127, Pp. 1272-1276, (2016)
408	M. L. Keshtov, S. A. Kuklin, D. Y. Godovsky, A. R. Khokhlov, R. Kurchania, F. C. Chen, G. D. Sharma	New Alternating D–A1–D–A2 Copolymer Containing Two Electron-deficient Moieties Based on Benzothiadiazole and 9-(2-octyldodecyl)-8H-pyrrolo[3,4-b]bisthieno[2,3-f:3',2'-h]quinoxaline-8,10 (9H)-dione for Efficient Polymer Solar Cells	Journal of Polymer Science Part A: Polymer Chemistry (Wiley)	Vol. 54, Pp. 155-168, (2016)
409	S. Dubey, R. Kurchania	Study of dielectric and ferroelectric properties of five layer Aurivillius oxides: $A_2Bi_4Ti_5O_{18}$ (A= Ba, Pb and Sr) synthesized by solution combustion route	Bulletin of Materials Science (Springer)	Vol. 38(7), Pp. 1881-1889, (2015)
410	K. Navin, R. Kurchania	Structural, morphological and optical studies of ripple structured ZnO thin	Applied Physics A (Springer)	Vol.121(3), Pp.1155-1161,

		films		(2015)
411	D. Sharma, G. K. Tripathi, V. K. Sharma, S. N. Tripathi, R. Kurchania, C. Kant, A. K. Sharma K.K. Saini	One-pot synthesis of three bismuth oxyhalides (BiOCl, BiOBr, BiOI) and their photocatalytic properties in three different exposure conditions	Cogent Chemistry (Taylor & Francis)	Vol. 1: 1076371, Pp. 1-15, (2015)
412	R. Chourasiya, A. Srivastava, R. Kurchania, A. Anshul, S. S. Amritphale	Structural and Electronic Properties of CdS Nanoparticles	Advanced Science Letters (ASP)	Vol. 21(9), Pp. 2841-2844, (2015)
413	S. Chauhan, J. Parashar, R. Kurchania	Generation of terahertz radiation via nonlinear mixing of laser beams in an inhomogeneous plasma	Optik-International Journal for Light and Electron Optics (Elsevier)	Vol. 126(24), Pp. 5430-5433, (2015)
414	M. L. Keshtov, S.A. Kuklin, F. C. Chen, A. R. Khokhlov, R. Kurchania, G. D.Sharma	A new D-A Conjugated Polymer P(PTQD-BDT) with PTQD Acceptor and BDT Donor Units for BHJ Polymer Solar Cells Application	Journal of Polymer Science Part A: Polymer Chemistry (Wiley)	Vol. 53(20), Pp. 2390-2398, (2015)
415	P. Pathak, R. Kurchania	Synthesis and Thermoluminescence Properties of $SrAl_2O_4$ (Eu) Phosphor Irradiated with Cobalt-60, 6 MV and 16 MV Photon Beams	Radiation Physics and Chemistry (Elsevier)	Vol. 117, Pp. 48-53, (2015)
416	G. K. Tripathi, R. Kurchania, K.K. Saini	Synthesis of Nano Plate Bismuth Oxychloride - a Visible Light Active Material	Optics and Spectroscopy (Springer)	Vol. 119 (4), Pp. 656-663, (2015)
417	M. Singh, R. Kurchania, A. Pockett, R. J. Ball, E. N. Koukaras, P. J. Cameron, G. D. Sharma	Characterization of Metal-free D-$(\pi$-$A)_2$ Organic Dye and its Application as Cosensitizer along with N719 Dye for Efficient Dye-sensitized Solar Cells	Indian Journal of Physics (Springer)	Vol. 89(10), Pp. 1041–1050 (2015)
418	D. Rathore, R. Kurchania, R K Pandey	Gas Sensing Properties of Size Varying $CoFe_2O_4$ Nanoparticles	IEEE Sensors Journal (IEEE)	Vol. 15 (9), Pp. 4961-4966, (2015)
419	N. D. Desouza, D. Blaise, R. Kurchania, M. S. Qureshi	Dust emission from different soil types in the northwest and the Indo-Gangetic Plains of India	Atmosfera (Elsevier)	Vol. 28 (4), Pp. 251-260, (2015)
420	Padmini Pandey, Rajnish Kurchania, and Fozia Z. Haque	Structural, diffused reflectance and photoluminescence study of Cerium doped ZnO nanoparticles synthesized through simple sol-gel method	OPTIK (Elsevier)	Vol. 126, Issue 21, Pp 3310–3315, 2015

421	Mohammad Ramzan Parra · Fozia Z. Haque	Poly (Ethylene Glycol) (PEG)-Assisted Shape-Controlled Synthesis of One-Dimensional ZnO Nanorods,	OPTIK (Elsevier)	Vol. 126, Issue 18, Pp1562–1566, 2015
422	Mohammad Ramzan Parra and Fozia Z. Haque	Optical study and Ruthenizer (II) N3 dye-sensitized solar cell application of ZnO nanorod-arrays synthesized by combine two-step process,	Journal of Optics And Spectroscopy (Springer)	Vol. 119, Issue 4, Pp 672-681, (2015)
423	Mohammad Ramzan Parra, Fozia Z. Haque	Structural and optical properties of Poly-vinylpyrrolidone modified ZnO Nanorods synthesized through simple hydrothermal process	OPTIK (Elsevier)	Vol. 126, Issue 18, Pp1562–1566, 2015
424	Dheeraj Mishra, K.M. Mishra, Neha Singh and Fozia Z. Haque	Photoluminescence based fast detection of Ammonia Gas through TiO2 Nanoparticles,	Journal of Advanced Physics (ASP)	Vol. 5, Number 3, Pp. 220-224(5), 2016
425	Neha Singh, and Fozia Z Haque	Synthesis of zinc oxide nanoparticles with different pH by aqueous solution growth technique,	OPTIK (Elsevier)	Vol. 127 Pp 174–177(2016)
426	Fozia Z. Haque, MR Parra, Hafsa Siddiqui, Neha Singh, Nitu Singh, P Pandey, and K.M. Mishra	PVP Assisted Shape-Controlled Synthesis of Self-Assembled 1D ZnO and 3D CuO Nanostructures	Journal of Optics And Spectroscopy (Springer)	Vol. 120, No. 3, 2016, Pp. 408–414.
427	Hafsa Siddiqui, M. S. Qureshi, and Fozia Z. Haque	Surfactant assisted wet chemical synthesis of copper oxide (CuO) nanostructures and their spectroscopic analysis,	OPTIK (Elsevier)	Vol. 127, Issue 5, 2016, Pp.2740–2747
428	Hafsa Siddiqui, M. S. Qureshi, and Fozia Z. Haque	Valuation of copper oxide (CuO) nanoflakes for its suitability as an absorbing material in solar cells fabrication,	OPTIK (Elsevier)	Vol. 127, Issue 8, Pages 3713–3717, 2016
429	Hafsa Siddiqui, M. S. Qureshi, and Fozia Z. Haque	Effect of Copper Precursor Salts: Facile and Sustainable Synthesis of Controlled Shaped Copper Oxide Nanoparticles,	OPTIK (Elsevier)	Vol. 127, Issue 11, Pp 4726–4730, 2016
430	Hafsa Siddiqui, M. S. Qureshi, and Fozia Z. Haque	Hexamine (HMT) assisted wet chemically synthesized CuO nanostructures with controlled morphology and adjustable optical behaviour,	Optical And Quantum Electronics (Springer)	Vol. 48: 349 Pp. 1-5 (2016)
Department of Chemistry				
431	R. Ahmad I. Hasan Alok MIttal	Poly (methyl methacrylate)-grafted alginate/Fe3O4 nanocomposite: synthesis and its application for the	Desalination and Water Treatment	DOI/ 10.1080/19443994. 2015.1104726

		removal of heavy metal ions		
432	R. Ahmad, I. Hasan Alok MIttal	Iron Oxide–Impregnated Dextrin nanocomposite: Synthesis and its application for the bio-sorption of Cr (VI) ions from aqueous solution	Desalination and Water Treatment	DOI:10.1080/19443994. 2015.1070764.
433	R. Ahmad, I. Hasan Alok MIttal	Biosorption of Pb2+, Ni2+ and Cu2+ Ions from Aqueous Solutions by L-Cystein Modified Montmorillonite Immobilized Alginate Nanocomposite	Desalination and Water Treatment	57(38) (2016) 17790 – 17807.
434		Retrospection of the Bhopal Gas Tragedy	Toxicological & Environmental Chemistry	DOI /10.1080/02772248. 2015.1125903
435	Huma Ali, Savita Dixit	Quercetin attenuates the development of 7, 12-dimethyl benz (a) anthracene (DMBA) and croton oil-induced skin cancer in mice	The Journal of Biomedical Research	29(000):000-000, 2015
436		Fuel Properties Of Water Degummed Linseed Methyl Ester And Their Diesel Blends	Journal of the Brazilian Chemical Society	2015
437	Sandhya Pal Savita Dixit	Synthesis and Characterization of Ink (Carbon)Perovskite/Polyaniline Ternary Composite Electrode for Sodium Chloride Separation	American Journal of Engineering and Applied Sciences	2015, 8 (4): 527.537 DOI: 10.3844/ajeassp.2015.527.537
438	Kiran Rohit. Savita Dixit	FUTURE ASPECTS OF NATURAL FIBER REINFORCED PARTICULATE COMPOSITE-A REVIEW	Polymers from Renewable Resources.	Vol.7,No.2,2016 (33-50)
439		Optimization and Fuel Properties of Water Degummed Linseed Biodiesel from Transesterification Process	Chemical Sciences journal	7 (2), 131, 2016
440	Sandhya Pal Savita Dixit	Resent advanced technologies for the processing of advanced reinforced polymer membrane"	Polymer And Polymer Composite	vol 24 No.4 2016
441	Sandhya Pal, Savita Dixit	Synthesis and Characterization of Cation Exchange PVA-g-PAA/PBI sulfone Membrane for the Electrolysis of Sodium Chloride	Journal of Membrane Science & Research	2 (2016) 147-154.
442	Gajendra Dixit, Vijesh Verma,	Thermal degradation of polyethylene waste and jute fiber in oxidative	Journal of Fuel (Elsevier)	Fuel 2016; 179: 368-375. http://dx.doi.org/10.1

	Savita Dixit	environment and recovery of oil containing phytol and free fatty acids.		016/j.fuel.2016.04.004
443	Ankita Sharma, G. Robin Wilson, Amit Dubey	Antibacterial activity of vinyl imidazole(VI) functionalized silica polymer nanocomposites (SBA/VI) against Gram negative and Gram positive bacteria	New J. of Chemistry (RSC)	40 (2016) 764-769
444	G. Robin Wilson and Amit Dubey	Mesoporous Silica polymer nanocomposites functionalized with vinyl pyridine and vinyl pyrrolidinone for the adsorption of Humic Acid.	Adv. Mater. Lett.	2016, 7(9), 760
445	G. Robin Wilson, Ankita Sharma Divya Sachdev and Amit Dubey	Ferulic acid functionalized mesoporous silica polymer nanocomposites (SBA/FA) for the adsorption of Cr(VI).	J. of Porous Materials (Springer)	2016, 23, 195
446		Vinyl carbazole (VC) functionalized mesoporous silica polymer nanocomposites (SBA/VC) for the antibacterial activity studies,	J. of Porous Materials (Springer)	23, 2016, 851
Department of Humanities & Social Sciences				
447	Suman Swati Dr. Shuchi Srivastava	Om Prakash Valmiki's Jhoothan: The Depiction of Pain and Resistance	International Journal of English Language, Literature and Translation studies (IJELR)	ISSN (E)2349-9451 Vol. 2. Issue 4. 2015 (Oct. -Dec.)
448	Suman Swati Dr. Shuchi Srivastava	Transference and Counter-transference in Fitzgerald's 'Tender is the Night'	New Academia An International Journal of English Language, Literature and Literary Theory	ISSN (P) 2277-3967 ISSN(E) 2347-2073 Vol. V. Issue II April 2016
449	Ms. Ambri Shukla Dr. Shuchi Srivastava	Feminism in Arundhati Roy's 'The God of Small Things'	Re-Markings	ISSN 0972611X Vol. 14 No.2 September 2015
450	Ms. Ambri Shukla Dr. Shuchi Srivastava	Namesake-Novel and Film, a Comparison	Subalternspeak:An International Journal of Postcolonial Studies	ISSN 23472103 Vol.IV Issue II January 2016
Department of Management Studies				
451	Bikrant Kesari Sunil Atulkar	Satisfaction of mall shoppers: A study on perceived utilitarian and hedonic shopping values	Journal of Retailing and Consumer Services ELSEVIER	Vol.31, (2016) Page No. 22-31
452	G.S. Kushwaha N.K. Sharma	Green initiatives: a step towards sustainable development and	Journal of Cleaner Production 121, 116-129	

		firm's performance in the automobile industry		
453	G.S. Kushwaha S.R. Agrawal	The impact of mobile marketing initiatives on customers' attitudes and behavioural outcomes	Journal of Research in Interactive Marketing 10 (3), 150-176	
454	G.S. Kushwaha N. K. Sharma	Emerging Green Market as an Opportunity for Green Entrepreneurs and Sustainable Development in India,	Journal of Entrepreneurship & Organization Management	2015
455	G.S. Kushwaha S R Agrawal	Customer Management Practices: Multiple Case Studies in Stock Broking Services,	International Journal of Customer Relationship Marketing and Management ...	
456	G.S. Kushwaha N.K. Sharma	Educated Young Consumer Purchase Behavior towards Green Products: An Empirical Study in India:	, International Journal of Green Computing (IJGC) 6 (1), 48-63	
457	G.S. Kushwaha	Bibliometric Analysis of Supply Chain Management: An International Journal from 2005-2014	International Journal of Supply Chain Management 4 ((2),), 90-105	
458	GS Kushwaha S.R. Agrawal	An Indian customer surrounding 7P' s of service marketing	Journal of Retailing and Consumer Services 22, 85-95	
459	Priyanka Verma Anupam Singh	Consumer Psychology towards Corporate Social Initiatives: An Empirical Investigation.	Prabandhan Indian Journal of Management, Scopus Indexed	9(3), 32-42,March 2016
460	Priyanka Verma Anupam Singh	The Impact of Religiosity Upon Managers' CSR Orientation: An Empirical Study in Indian Perspective.	International Journal of Indian Culture and Business Management (Inderscience Publishers, UK)	2016
461	Priyanka Verma	Indian Graduates and their employability	Research Journal Of Economics and Business Studies	2016
462	Priyanka Verma Poonam Likhitkar	Employee retention:An Issue of Every Business Sector	International Journal of Advanced Research	2015
463	Abhishek Parsai Dr. Varsha Rokade	Study of national rural drinking water programme implementation during last five years (from FY 12010-2011 to 2014-2015) in state of Madhya Pradesh, India	Journal of water, sanitation and Hygiene for development	February 2016
464	Khushboo Gupta Dr. Varsha Rokade	Importance of Quality in Health Care Sector: A Review	Journal of Health Management	Volume18.1, Issue I- II,

				February 2016.
465	Dr Babita Singh Dr. Varsha Rokade	Problems and prospects of Life insurance sector in India after deregulation : An Analytical Note	Discovery Journal	Volume 52, Issue 242, February 1, 2016, PP 343-351
466	Abdul Rashid Dr. Varsha Rokade	Retail service quality dimensions in international perspective: An overview	International journal in management and social science	Volume 3, Issue 7, July 2015, PP 720 - 730
Department of Energy Centre				
467	Payal Suhane S. Rangnekar Arvind Mittal Anula Khare	Sizing and performance analysis of standalone wind-photovoltaic based hybrid energy system using ant colony optimization	IET Renewable Power Generation	July 2016
468	Parash Goyal Prashant Baredar Arvind Mittal Ameenur.R.Siddiqui	Adsorption refrigeration technology – An overview of theory and its solar energy applications	Renewable and Sustainable Energy Reviews (Elsevier)	2016
469	Arvind Mittal K Janardhan	Analysis of various control schemes for minimal Total Harmonic Distortion in cascaded H-bridge multilevel inverter	Journal of Electrical systems and Information Technology (Elsevier)	2016
470	Amit Ojha P. Chaturvedi Shailendra Jain Arvind Mittal	Carrier Based Common Mode Voltage Reduction Techniques in Neutral Point Clamped Inverter Based AC-DC-AC Drive System	Journal of Power Electronics (KIPE)	2015
471	Parash Goyal Prashant Baredar Arvind Mittal	Performance analysis and parametric variation of a solar adsorption chiller	IJIRST –International Journal for Innovative Research in Science & Technology|	2016
472	N.E.V.R.Dheeraj Varma, Rajeshwar Vaishnava Arvind Mittal	A review of energy sources and power converters for electrified vehicles	International Journal of Renewable Energy and Environmental Engineering	2015
473	Sudharshan K, K. Sudhakar	Modeling of Solar Irradiance, Energy requirement for Microalgae CO2 Sequestration Using MATLAB-Simulink	International Journal of ChemTech Research	2015
474	Saravanan Dhanushkodi · Vincent H. Wilson · Kumarasamy Sudhakar	Life Cycle Cost of Solar Biomass Hybrid Dryer Systems for Cashew Drying of Nuts in India	Environmental and Climate Technologies	2015

475	Ruma Arora Soni,K. Sudhakar,R.S.Rana	Biophotovoltaics and Biohydrogen through artificial photosynthesis: an overview	Int. J. Environment and Sustainable Development	2016
476	K. Sudhakar, M. Premalatha	Characterization of micro algal biomass through FTIR/TGA/CHN analysis: Application to Scenedesmus sp	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2015
477	S Dhanushkodi Vincent H Wilson K Sudhakar	Simulation of solar biomass hybrid dryer for drying cashew kernel	Advances in Applied Science Research	2015
478	Suresh Bahadur,Parash Goyal,K Sudhakar,Jay Prakash Bijarniya	A comparative study of ultrasonic and conventional methods of biodiesel production from mahua oil	Biofuels	July 2015
479	Vipinraj Sugathan · Elsa John · K Sudhakar	Recent improvements in dye sensitized solar cells: A review	Renewable and Sustainable Energy Reviews	August 2015
480	K. Sudhakar, K.N.Shukla, Saroj Rangnekar	A comparative study of exergetic performance of amorphous and polycrystalline solar PV modules	International Journal of Exergy	August 2015
481	Shiva kumar, B., Sudhakar, K	Performance evaluation of 10 MW grid connected solar photovoltaic power plant in India	Energy Reports	2015
482	Elsa John, Vipinraj Sugathan and K. Sudhakar	Dependence of Temperature and Wavelength on the Current-Voltage Characteristics of a Dye Sensitized Solar Cell.	Journal of Energy Research and Environmental Technology	2015
483	Akash Kumar Shukla · K. Sudhakar · Prashant Baredar	Exergetic assessment of BIPV module using parametric and photonic energy methods: A review	Energy and Buildings	2016
484	Akash Kumar Shukla ,K. Sudhakar · Prashant Baredar	Simulation and performance analysis of 110 kWp grid-connected photovoltaic system for residential building in India: A comparative analysis of various PV technology	Energy reports	2016
485	Akash Kumar Shukla · K.	Exergetic analysis of building	Case Studies in Thermal	2016

	Sudhakar · Prashant Baredar	integrated semitransparent photovoltaic module in clear sky condition at Bhopal India	Engineering	
486	Akash Kumar Shukla · K. Sudhakar · Prashant Baredar	A comprehensive review on design of building integrated photovoltaic system	Energy and Buildings	2016
487	Jay prakash bijarniya, K Sudhakar ,Prashant Baredar	Concentrated solar power technology in India: A review	Renewable and Sustainable Energy Reviews	June 2016
488	Nikhil S Gopal .K.Sudhakar	Ultraviolet modification of Chlamydomonas reinhardtii for carbon capture	Research and Reports in Biology	2016
489	Pratish Rawat · K. Sudhakar	Performance analysis of partially covered photovoltaic thermal (PVT) water collector	International Journal of Research in Engineering and Technology	2016
490	Shahrukh Shamim · K. Sudhakar · Brajesh Choudhary · Jamil Anwer	A review on recent advances in proton exchange membrane fuel cells: Materials, technology and applications	Advances in Applied Science Research	Oct 2015
491	S. Bahadur · P. Goyal. K. Sudhakar	Ultrasonic Assisted Transesterification of Neem Oil for Biodiesel Production. Energy Sources, Part A	Recovery, Utilization and Environmental Effects	09/2015
492	Sibu Sam John,Aditi Bhawsar,Sameer K.Maurya,Shubhangshu Sardar, K. Sudhakar	Performance Analysis of Automated Greenhouse for Bhopal Region	International Journal for Scientific Research & Development	May 2015
493	Archana Soni, Arvind Mittal,	Energy Analysis of Indian manufacturing Sector	International Journal of General Engineering and Technology	May 2015
494	Archana Soni, Arvind Mittal	Energy Review of Indian Cement Industry	International Journal of Engineering and Management Research	April 2015
495	Satish Chand, Archana Soni, Sushil Kumar Gautam	Modelling and analysis of DC link Capacitor in doubly fed Induction Generator for wind turbines	Remarking multi disciplinary International Journal	March 2016
496	Arpit Gupta, Balkrishan Sahu, Archana Soni	Growth of Renewable Energy in India	International Journal of Innovative Science Engineering & Technology	Vol 3, Issue 6, June 2016
497	Amarnath Mishra, Vijay kumar Manjhi, Dr Archana Soni, Dr K Sudhakar	Opportunities and challenges for fuel cells in India	International Journal of Advance Research in Science and Engineering	Vol 5 Issue 6 June 2016

498	Prashant Singh Chauhan and Perapong Tekasakul Dr.Anilkumar	Applications of Software in Solar Drying Systems: A Review.	International Journal of Science, Environment and Technology	4(2) : 364-370
499	Vipin Shrivastava, Prashant Baredar. Dr.Anilkumar	Drying kinetics of fenugreek drying in indirect solar dryer.	International Journal of Ambient Energy	04/2015; DOI:10.1080/01430750.2015.1023834
500	Om Prakash Dr.Anilkumar	Prediction of Moisture Evaporation Rate from Jaggery in Green House Drying Using Fuzzy Logic.	Renewable and Sustainable Energy Reviews	03/2015; 47:718-731. DOI:10.1016/j.rser.2015.03.064 ·
501	P. Vishwanath Kumar, Om Prakash and Ajay Kumar Kaviti. Dr.Anilkumar	Solar stills system design: A review.	Energy Reports	03/2015; 1:96-103. DOI:10.1016/j.egyr.2015.03.003
502	Anushka Pradhan, Prashant Baredar Dr.Anilkumar	Syngas as An Alternative Fuel Used in Internal Combustion Engines: A Review.	International Journal of Exergy	In press
503	Om Prakash Dr.Anilkumar	Annual Performance of Modified Greenhouse Dryer under Passive Mode in No-Load Conditions.	American Eurasian Journal of Agriculture and Environmental science	15(1) : 129-139
504	Nitin Kumar, Prashant Baredar, Ashish Shukla Dr.Anilkumar	A Review on Biomass Energy Resources, Potential, Conversion and Policy in India	Facta Universitatis Series : Mechanical Engineering	12(3): 277-288.
505	Prashant Baredar, Anand Singh Bhupendra Gupta	Computational Simulation & Optimization of a Solar, Fuel Cell and Biomass Hybrid Energy System Using HOMER Pro Software	American-Eurasian Journal of Agricultural and Environmental Science	14(11): 1248-1254.
506	Prashant Baredar, U.Qureshi, Md. Amaan	Application of baffle plates and its effects as low cost heat extraction improvement on the performance of photovoltaic thermal (PVT) system	Journal of Interdisciplinary and Multidisciplinary Research	11/2014; 2(10):428-437
507	Parash Goyal Prashant Baredar Arvind Mittal Ameenur.R.Siddiqui	Adsorption refrigeration technology – An overview of theory and its solar energy applications	Adv. Sci. Lett.	20, 1658–1661 . http://dx.doi.org/10.1166/asl.2014.5506
508	Prashant Baredar U. Qureshi, ,S. Ayyub, Md. Amaan	ANN Performance Assessment of Photovoltaic Thermal (PV/T) System withImproved Low Cost Heat Extraction Design	International Journal of Electrical and Electronics Engineering Research (IJEEER) TJPRC	ISSN(P): 2250-155X; ISSN(E): 2278-9Vol. 4, Issue 3, 23-34; 30 Jun-01 Jul
509	Vikas Khare, Savita Nema,	Solar–wind hybrid renewable	International Journal of	JOURNALS ISSN:

	Prashant Baredar	energy system: A review	Electrical, Electronics and Data Communication (IJEEDC) IRAJ JOURNALS	2321- 2950; September 014;Volume 2 issue 9
510	Parash Goyal Prashant Baredar Arvind Mittal	Performance analysis and parametric variation of a solar adsorption chiller	Journal of Basic and Applied Engineering Research (JBAER)	ISSN: 2350-0077; Online 2350-0255, http://www.krishisanskriti.org/jbaer. October 2014; Volume 1 ; Number 9
511	Akashku. Shukla ,K Sudhakar Prashant Baredar	Exergetic assessment of BIPV module using parametric and photonic energy methods	International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC)	| ISSN: 2321-8169
512	Lata Tripathi, A.K. Mishra, Anil Kumar Dubey, C.B. Tripathi, Prashant Baredar	Renewable energy: An overview on its contribution in current energy scenario of India Review	International Journal of Advancements in Electronics and Electrical Engineering	IJAEEEISSN : 2319-7498]
513	U.Qureshi, Prashant Baredar	Environomical Analysis of A Standalone Modified Hybrid Photovoltaic Thermal System With Dual Low Cost Heat Transfer Media	International Journal of Electrical and Electronics Engineering Research (IJEEER) TRANS STELLAR, ISSN(P): 2250-155X; ISSN(E): 2278-943X	Vol . 4, Issue 4, pp 1-10, August 2014(IF:5.96)
514	Akash Kumar Shukla, K. Sudhakar, Prashant Baredar	Simulation and performance analysis of 110 kWp grid-connected photovoltaic system for residential building in India: A comparative analysis of various PV technology	International Journal Of Renewable Energy Research (ISSN E: 1309-0127)	Vol.4, No.3, pp. 683-688, 2014
515	Bhupendra Gupta, Raghvendra Sharma, Prem Shankar, Prashant Baredar.	Performance enhancement of modified solar still using water sprinkler: An experimental approach	International Journal of Electronics, Electrical and Computational System ISSN 2348-117X	Volume3, Issue 5, pp. 20-26, July 2014
516	Jay Prakash Bijarniya, K. Sudhakar, Prashant Baredar	concentrated solar power technology in India: A review	International Journal of Electrical and Electronics Engineering Research (IJEEER) TJPRC	ISSN(P): 2250-155X; ISSN(E): 2278-9Vol. 4, Issue 3, 23-34; 30 Jun-01 Jul
517	Akash Kumar Shukla, K. Sudhakar, Prashant Baredar	Exergetic analysis of building integrated semi-transparent photovoltaic module in clear sky condition at Bhopal India	International Journal of Electrical, Electronics and Data Communication (IJEEDC) IRAJ JOURNALS	JOURNALS ISSN: 2321- 2950; September 014;Volume 2 issue 9
518	Akash Kumar Shukla, K. Sudhakar, Prashant Baredar	Design, simulation and economic analysis of standalone roof top solar PV	Journal of Basic and Applied Engineering Research (JBAER)	ISSN: 2350-0077; Online 2350-0255, http://www.krishis

		system in India		anskriti.org/jbaer. October 2014; Volume 1 ; Number 9

NATIONAL JOURNALS:

S.No.	Name of the Faculty Members	Title of paper	Name of Journal	Volume & Year
		Department of Civil Engineering		
519	Dr. P.K. Jain & Singh K.	Methodology to Evaluate Pedestrian Level of Service in Indian Urban Context	NICMAR-Journal of Construction Management	2015
520	Dr. S.K. Katiyar and Prashant Persai	Telecommunication utility analysis using GIS and GPS techniques	Journal of Indian Society of Geomatics, published by Space Application Centre (SAC) Ahmedabad, Indian Space Research Organization (ISRO)	2015
521	Dr. S.K. Katiya , Arun Patel, and V. Prasad	Bathymetric Mapping Of Bhopal City Lower Lake Using Irs-P6: Liss-4 Imagery And Artificial Neural Network Technique	Journal of the Indian Society of Remote Sensing, IJRS, Elsevier publications.	
522	Dr. P.K. Agarwal & Choudhary. S	A Basic Framework for Evaluations of Rural Road Network Conditions	Trends in Transport Engineering and Applications ISSN:2394-7284	2015
523	Dr. Kamal Singh & P. K. Jain	Methodology to Evaluate Pedestrian Level of Service in Indian Urban Context	NICMAR *Journal of Construction Management*	2015
524	Dr. H.L. Tiwari & Rahul Jaiswal, and A.K.Lohani	Study of change point and trend in temperature in Raipur in Chhattisgarh (India)	Journal of Indian Water Resource Society	2015
		Department of Electrical Engineering		
525	Dr. Tripta Thakur Manju Gupta, Sushma Gupta	A systematic approach towards developing prototype of AMI based DSM model for load management	The Journal of CPRI	Vol. 12(1), 2016
		Department of Architecture & Planning		
526	Dr. Alka Bharat Arti Jaiswal	Assessing Innovative Approaches to Urban Solid Waste Management	SDR	July-October 2015

527	Dr. Yogesh Garg Ar. Rama U Pandey	"Evaluation of livability performance of residential built environment A step towards making smart city"	SPANDREL: Journal of School of Planning and Architecture	Issue 11: Spring 2015-16, pp 38-51
Department of Computer Science Engineering				
528	Dr. Meenu Chawla Adhir Jain AnandNamdev	Parallel Edge Detection By Sobel Algorithm Using Cuda C	2016 IEEE Students' Conference on Electrical, Electronics and Computer Science	2016
Department of Management Studies				
529	Dr Priyanka Verma Amit Khare	Multilevel Marketing in India:A distinct Marketing Strategy	Srijan National Journal	Vol.2, Issue 1, Feb 2016
Department of Mathematics and MCA				
531	Dr. J. P. Jaiswal Neha Choubey	Improving the order of convergence and efficiency index of an iterative method for nonlinear systems	Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci., (April–June 2016)	86(2):221–227 (Springer). (SCIE & Impact factor 0.390)
532	Dr. J. P. Jaiswal Anuradha Singh	An efficient family of optimal fourth-order iterative methods for finding multiple roots of nonlinear equations	Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci. (July–September 2015)	85(3):439–450, (Springer)(SCIE & Impact factor 0.390)

INTERNATIONAL CONFERENCE:

S.No.	Name of the Faculty Member (s)	Title of Paper	Name of Journal	Volume & Year
Department of Civil Engineering				
533	Dr. S. K. Dubey & Prakash	Effect of parameters on period of calibration in seismic analysis	4th Asian conference on Ecstasy in concrete "ICI – ACECON 2015" organized by Indian concrete institute at Kolkata 3rd International	8-10 Oct 2015
534	Dr. S. K. Dubey, Rakesh Patel & K.K. Pathak	Analysis of light weight RCC Beams	3rd international UKIERI (UK, India education research institute) concrete congress by UKIERI of NIT, Jalandhar	2-5 Nov 2015
535	Dr. M.S. Hora, S.K. Panthi, Yogesh Dewang & Meraj Ahmed	Effect of flange length and blank holding force o crack initiation in stretch flanging process	Young Scientist's meet, India International Science Festival IIT Delhi- Design-59 Poster	2015

536	Dr. M.S. Hora, Yogesh Dewang & S.K. Panthi	Effect of process parameters on deformation behavior of AA 5052 sheets in stretch flanging process	Int. Conf. on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM-2016) Hyderabad	July 7-9, 2016
537	Dr. P.K. Jain, and Jhinkwan, H	Prediction of Shear Wave Velocity using SPT – N value	Proceeding of 20th International Conference on Biotechnology, Civil and Chemical Engineering (ICBCCE 2016) Organised by Technical Research Organisation India in Pune	on 03July 2016
538	Dr. P.K. Jain, Kolluru Hemanth Kumar, Sanjay Rajpal, Shashank Jha	Behaviour of reinforced concrete beams strengthened with Glass Fibre Reinforced Polymer laminates subjected to corrosion damage	2nd R.N. Raikar International Conference and Banthia-Basheer International Symposium on Advances in Science and Technology of Concrete, Mumbai, India,	18-19 December 2015,
539	Dr. P.K. Jain and Meshram K.,	Ground Improvement Techniques: Recent Advances	International Conference on status of Science and Technology in Chhattisgarh State held at Bhilai Institute of Technology, Durg (C.G.).	19-20 March,2016
540	Dr. S.K. Katiyar, Vijay Solanky, Sangeeta Singh	Land Surface Temperature Estimation Using Remote Sensing Data	International Conference on Water, Environment, Energy & Society, ICWEES-2016 (Organized By Texas A & M University, USA & AISECT University, Bhopal, India)	March 15-18, 2016
541	Dr. S.K. Katiyar, Sangeeta Singh & Vijay Solanky	A Decision Tree Based Approach To Monitor Land Cover Dynamism Of Bhopal District Using Remotely Sensed Images	International Conference on Water, Environment, Energy & Society, ICWEES-2016, (Organized By Texas A & M University, USA & AISECT University, Bhopal, India)	March 15-18, 2016
542	Dr. S.K. Katiyar, Prashant Persai	Difficult Indexes for Planning of Telecommunications and Electricity Facility	Proceedings of International Conference On	9-11 October 2015

			Geo-Engineering and Climate Change Technologies for Sustainable Environmental Management GCCT-2015 MNNIT Allahabad	
543	Dr. S.K. Katiyar, SasankaNarah, Vijay Solanky	Recent Trends In Site Determination For Urban Solid Waste Disposal Using GIS And Remote Sensing Technique	Proceedings of International Conference On Geo-Engineering and Climate Change Technologies for Sustainable Environmental Management GCCT-2015 MNNIT Allahabad	9-11 October 2015
544	Dr. S.K. Katiyar	Role of Geospatial techniques in the Vector borne disease outbreak prediction and patient diagnosis	Proceedings of 6th International Conference on Health GIS 2015 at Mysuru, India	
545	Dr. Mukul Kulshreshtha	Improved Water Use Efficiency in Irrigation: Role of Water User Associations	2015 World Water Week - Water for Development, , Stockholm	August 23-28, 2015.
546	Dr. P.K. Agrawal, Choudhary S. & Khan A.B	A Rational Methodology for maintenance of low volume road network"	3rd Conference of Transportation Research Group of India (2nd CTRG)	17-20 December 2015, Kolkata, India
547	Dr. P.K. Agrawal, Gurjar J.,Gupta V.			
548	Dr. P.K. Agrawal, Mehar R.,Ahirwar K.K.			
549	Dr. M.K. Choudhary, Ms. Sonali Swetpadma and Dr. S K Mittal	Experimental Analysis of Brink Depth in Rough Rectangular Free Overfall	HYDRO-2015. IIT Roorkee	December 17-19, 2015
550	Dr. M.K. Choudhary, Dr. T R Nayak and Mr. Harsad Sahu	Assessment of Soil Erosion Based on USLE Model and Application of Gis	Symposium on Hydrology, Indian Association of Hydrologists (IAH)	December 22-23, 2015 New Delhi
551	Dr. M.K. Choudhary, and Mr. Harshad Sahu	Modeling the Crop water requirement Using CROPWAT: A case Study of Samrat Ashok sagar (Halali) Project Command	India Water Week 2016 New Delhi	April 4-8, 2016 New Delhi
552	Dr. Siddharth Rokade, MeenuTomson, Rishabh Jain and Ayush Agarwal	Study on Assessment of Willingness of Road User to Bicycle in Bhopal City	3rd Conference of Transportation Research Group of India	17th to 20th December, 2015

553	Dr. Siddharth Rokade, AnujJaiswal, Ashik K Azad	Estimation of Trip Attraction Rates of Commercial Land Use in Bhopal City	3rd Conference of Transportation Research Group of India	17th to 20th December, 2015
554	Dr. Siddharth Rokade, BadshahdinQiami , Kamal Singh and SnehalAbhyankar	Utilization of Waste Glass as Partial Replacement of Fine Aggregate in Pavement Quality Concrete Mixes	International Conference on Advances in Concrete Technology ,Goa College of Engineering	22nd to 24th June, 2016
555	Dr. Raman Nateriya, Rajesh Purohit, Navin Kumar Solanki, Gaurav Bajpayee, R. S. Rana, G. Hemath Kumar	Development of Cu-Al2O3-CBN Hybrid Composite through Power metallurgy Process and Analysis of Mechanical Properties	5th International Conference on Material Processing and Characterization (ICMPC-2016), GRIET, Hyderabad, India,	12-13 March, 2016,.
556	Dr. Raman Nateriya, Mr. Surendra Kumar Patel , Dr. G.Dixit	Microstructural and erosive wear behaviour on coarse silica sand of Dual Reinforced Particle (DRP) LM-13 Alloy Composites	5th International Conference on Material Processing and Characterization (ICMPC-2016), GRIET, Hyderabad, India,	12-13 March, 2016,
557	Dr. Rakesh Kumar, Sareesh Chandrawanshi	Bearing Capacity Improvement of Soft Soils Upon the Application of Confined Footings" International Conference on Soft Ground Engineering (ICSGE2015) from Dec. 3-4, 2015 at Singapore p.p189-197	ICSGE2015 (Singapore)	Dec. 3-4, 2015
558	Dr. Priyanka Dhurvey	Static Analysis of laminated composite skew plate with ply drop-off	60th Congress of ISTAM(International Conference), MNIT Jaipur	16-19 Dec 2015
559	Dr. Priyanka Dhurvey	Buckling Analysis of composite laminated skew plate of variable thickness	ICEMS 2016, JNU Jaipur	17-19 Mar 2016
560	Dr. Priyanka Dhurvey	Buckling Analysis of composite laminated skew plate of variable thickness under biaxial loading	ICCMS	27 June-1 July 2016
561	Dr. H.L. Tiwari, A. Goel, V.K. Gehlot	Improvement of USBR VI stilling basin models for Pipe Outlet	E Proceeding, 36th IAHR World Congress at Hague Netherlands	June 28-July 3, 2015,
562	Dr. H.L. Tiwari, V.K. Gahlot , S.K.Mittal & A.Goel	Performance Improvement of USBR VI Stilling Basin Model	International conference on Hydraulics and Water Resources (Hydro-2015 International) at IIT Roorkee	20th Dec 17-19, 2015
563	Dr. H.L. Tiwari, Ankit Balvanshi	Assessment of Rainfall Runoff using SCS CN and RRL AWBM model	International conference on Hydraulics, Water Resources and River	Dec.17-19, 2015

			engineering (Hydro 2015) at IIT Roorkee	
564	Dr. H.L. Tiwari, Bikram Prasad	Soil Erosion modeling,	International conference on Hydraulics, Water Resources and River engineering (Hydro 2015) at IIT Roorkee	Dec.17-19, 2015
565	Dr. H.L. Tiwari, S.N. Mishra,	Techniques for Management in Large Data Base of Water Resources	International conference on Hydraulics, Water Resources and River engineering (Hydro 2015) at IIT Roorkee	Dec.17-19, 2015
566	Dr. H.L. Tiwari, Kuldeep, Rahul Jaiswal	Climate change and its Modelling –A Review	International Conference on Water, Environment , Energy & Society(ICWEES-2-16) by Texas University & AISECT University Bhopal	15-18, March 2016
567	Dr. H.L. Tiwari, R.K. Jaiswal	Statistical Downscaling of minimum temperature of Raipur India	International Conference on Water, Environment , Energy & Society(ICWEES-2-16) by Texas University & AISECT University Bhopal	15-18, March 2016
568	Dr. H.L. Tiwari	New Design of Stilling Basin Models	International Convention on Simghastha, Ujjain	May 12-14,2016
Department of Electrical Engineering				
569	Dr. R.K.Nema, Dash, Soubhagya Kumar, R. Akhil Raj and S. Nema	Development of photovoltaic (PV) cell/module/array and non-uniform irradiance effect based on two-diode model by using PSPICE simulator	IEEE Int. Conference on Nascent Technologies in the Engineering Field (ICNTE), ,at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai pp. 1-6	9-10 Jan 2015
570	Dr. R.K.Nema, Dash, Soubhagya Kumar, R. Akhil Raj and S. Nema	A Quantitative and Comparative Performance Evaluation of PV Models on PSPICE Platform	IEEE Int. Conference on Circuit, Power and Computing Technologies (ICCPCT), , Noorul Islam Centre for Higher Education, Kumara coil Tamil Nadu India pp. 1-8. Higher Education, Kumara coil Tamil Nadu India pp. 1-8.	19-20 March 2015
571	Dr. R.K.Nema, R. Akhil Raj, Dash, Soubhagya Kumar, and S. Nema	A Comprehensive Study on Asymmetrical Source Configuration in Conventional and Novel	IEEE conference on TAP Energy. (Accepted)	2015

		Multilevel Inverter Topologies for PV System		
572	Dr. R.K.Nema, Alok pasa, S. Nema	Sensor less Control of High Speed PMSM Using Variable Frequency Drive	International Conference on Electrical, Electronics ,Mechanical & Computer Engineering (ICEEMCE) at Pune	12th JULY, 2015
573	Dr. Shailendra Jain, Sameer Singh	Wavelet Based Real-Time Power Quality Monitoring	Canadian Conference on Electrical and Computer Engineering (CCECE) #1570241052	Vancouver, Canada
574	Dr. Shailendra Jain, P. Chaturvedi, Amit Ojha	unity Power Factor Controller for Neutral Point Clamped Active Front End Converter with DC Voltage Balancing	IEEE Int Conf on Industrial Technology, ICIT	2016, Taipai, Taiwan
575	Dr. Shailendra Jain, Saji Chako, C S Bhende, R K Nema	Adaptive PI Controller using PSO for Rotor Resistance Estimation of Vector Controlled I.M Drive, Estimation of Vector Controlled I.M Drive,	12th IEEE India International Conference, Delhi	INDICON 2015, Jamia Millia Islamia, New
576	Dr. Savita Nema, Dash Soubhagya Kumar, R. Akhil Raj, and R. K. Nema	Development of photovoltaic (PV) cell/module/array and non-uniform irradiance effect based on two-diode model by using PSPICE simulator	IEEE Int. Conference on Nascent Technologies in the Engineering Field (ICNTE), ,at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai pp. 1-6	9-10 Jan 2015
577	Dr. Savita Nema, Dash Soubhagya Kumar, R. Akhil Raj, and R. K. Nema	A Quantitative and Comparative Performance Evaluation of PV Models on PSPICE Platform	IEEE Int. Conference on Circuit, Power and Computing Technologies (ICCPCT), , Noorul Islam Centre for Higher Education, Kumara coil Tamil Nadu India pp. 1-8.	19-20 March 2015
578	Dr. Savita Nema, R. Akhil Raj, Dash, Soubhagya Kumar, and R. K. Nema	A Comprehensive Study on Asymmetrical Source Configuration in Conventional and Novel Multilevel Inverter Topologies for PV System	IEEE conference on TAP Energy. (Accepted)	2015
579	Dr. Savita Nema, Alok pasa	Sensor less Control of High Speed PMSM Using Variable Frequency Drive	International Conference on Electrical, Electronics ,Mechanical & Computer Engineering (ICEEMCE) at Pune,	12th JULY, 2015
580	Dr. Tripta Thakur,	A New Voltage Instability	16 IEEE International	7-10 June 2016,

	Hemanth kumar, Behzad Kazemtabrizi	Detection Index based on real time Synchronophasor Measurement	Conference on Environment and Electrical Engineering	Florence, Italy
581	Dr. Tripta Thakur, Manju Gupta, Sushma Gupta	A Systematic Approach towards Developing Prototype of AMI based DSM Model for Load Management	6TH IEEE INTERNATIONAL CONFERENCE ON POWER SYSTEM (ICPS 2016)	4-5 March, 2016, IIT De;hi, New Delhi
582	Dr. Tripta Thakur, Priyamveda Chandel, BA Sawle	Smart metering technology: The evolving economy of smart distribution	International conference on smart Grid	2-6 March, 2015, Banglore
583	Dr. Tripta Thakur, Priyamveda Chandel, BA Sawle	Smart Grid Initiative in India: Update and Review"	India Smart Grid Week,	15-19 March 2016, New Delhi
584	Dr. S. C. Gupta, Vivek Tamrakar, Yaswant Sawale	Study of characteristics of single and double diode electrical equivalent circuit models of solar PV module	----------	----------
585	Dr. Sushma Gupta, Manju Gupta, Tripta Thakur	A Systematic Approach towards Developing AMI Based DSM Model for Load Management	IEEE International Conference in Power Systems (ICPS)	4-6 March, 2016, IIT Delhi, New Delhi India.
586	Dr. Anoop Arya, Romi Jain,	A Comprehensive Review on Micro grid Operation, Challenges and Control Strategies	ACM International Conference on Future Energy Systems, Bangalore, Karnataka	14-17 July, 2015.
587	Dr. Anoop Arya, Shivani Garg, Priyanka Paliwal	A Compendious Study on Demand Side Management-An Indian Perspective	6th ACM International Conference on Future Energy Systems, Bangalore, Karnataka,	14-17 July, 2015.
588	Dr. Pankaj Swarnkar, Mohd. Salim Qureshi, Sushma Gupta	Assessment of DC servo Motor with Sliding Mode Control Approach INDIA	IEEE International Conference on Control, Measurement and Instrumentation (CMI), Jadhavpur University, Kolkata	8-10 January, 2016
589	Dr. Mukesh K.Kirar, P. Lakra	A comparison of Under Frequency Relay based and Frequency Response model based Load Shedding scheme	2015 Annual IEEE India Conference (INDICON), New Delhi, 2015	Dec. 2015
Department of Mechanical Engineering				
590	Dr. J.L Bhagoria, Rajesh Gupta, Sagar Paudel, Utkarsh Sharma and Amit	"Effects of turbulence penetration on valve leakage in nuclear reactor coolant system	Intl Conf. on Nuclear and Renewable Energy, New York, USA	June 6-7, 2016.

	Kumar			
591	Dr. J.L Bhagoria, Pankaj Dubey and Rajesh Gupta	Performance and emission characteristics of a dual fuel powered single cylinder diesel engine	Intl. conf. on Recent Trends in Engineering and Material Sciences (ICEMS-2016), Jaipur National University,	March 17-19, 2016.
592	Dr. J.L Bhagoria, Rajesh Gupta, Pankaj Dubey, Gopal Kumar Deshmukh,	Combustion Simulation in A Differentially Heated Diffuser Under Free Convection	Intl conf. on Trends in Industrial and Mechanical Engg. ICTIME 2016, M.A.N.I.T., Bhopal (India),	4-6 Feb, 2016
593	Dr. J.L Bhagoria, Rajesh Purohit C.M Krishna R.S Rana Saraswathi Rana Vikas Kumar	Electric Discharge Machining of 6061AL alloy 15 wt % SiCp Composites	17th ISME Conference on advances in Mechanical Engineering, Indian Institute of Technology, Delhi.	3 – 4 October 2015
594	Dr. J.L Bhagoria, S. Raghav, J.L. Bhagoria, A.M. Lanjewar	A Review on performance evaluation of artificially roughened solar air heater	International Conference on Global Scenario in Environment and Energy, ICGSE^2 Bhopal	Bhopal, March 2013
595	Dr. J.L Bhagoria, Dinesh Kumar Kasdekar Vishal Parashar	Performance of box-behnken and prediction model are compared with AL-Nano MMC to maximize the MRR.	5th International Conference of Materials Processing and Characterization (ICMPC 2016)	GRIET, Hyderabad March 12 -13, 2016
596	Dr. J.L Bhagoria, Vishal Parashar Rajesh Purohit	Analysis of Machining behavior of Al/A206-AL_2O_3 Metal Matrix Composite Using End Milling Process	5th International Conference of Materials Processing and Characterization (ICMPC 2016)	GRIET, Hyderabad March 12 -13, 2016
597	Dr. J.L Bhagoria, Vishal Parashar Rajesh Purohit	Investigation of the effects of the Machining Parameters on Material Removal Rate using Taguchi method in End Miling of Steel Grade EN19.	5th International Conference of Materials Processing and Characterization (ICMPC 2016)	GRIET, Hyderabad March 12 -13, 2016
598	Dr. J.L Bhagoria, Manish Gangil M.K Pradhan R. Purohit	Review on modeling and optimization electrical discharge machining process using modern techniques	5th International Conference of Materials Processing and Characterization (ICMPC 2016)	GRIET, Hyderabad March 12 -13, 2016
599	Dr. J.L Bhagoria, Nayan Chandak Mayank Yede Prashant Malviya M.K Pradhan	Analysis of railway wheel to study crack initiation due to thermal loading and calculating life cycle	5th International Conference of Materials Processing and Characterization (ICMPC 2016)	GRIET, Hyderabad March 12 -13, 2016
600	Dr. J.L Bhagoria, Atul Tiwari M.K Pradhan	Applications of TLBO algorithm on various manufacturing process	5th International Conference of Materials Processing and Characterization (ICMPC 2016)	GRIET, Hyderabad March 12 -13, 2016
601	Dr. J.L Bhagoria, Manish Gangil	Modeling and Optimization of electrical discharge	5th International Conference of Materials Processing and	GRIET, Hyderabad March 12 -13,

	M.K Pradhan	machining process using RSM	Characterization (ICMPC 2016)	2016
602	Dr. J.L Bhagoria, Ayush Rathore M.K Pradhan	Hybrid Cellulose, bio-nanocomposites from banana and jute fibre	5th International Conference of Materials Processing and Characterization (ICMPC 2016)	GRIET, Hyderabad March 12 -13, 2016
603	Dr. J.L Bhagoria, Pankaj Gupta M.K Pradhan	Fault detection analysis in rolling element bearing	5th International Conference of Materials Processing and Characterization (ICMPC 2016)	GRIET, Hyderabad March 12 -13, 2016
604	Dr. J.L Bhagoria, Srikant Tiwari M.K Pradhan	Effect rice husk ash on properties of aluminum alloys	5th International Conference of Materials Processing and Characterization (ICMPC 2016)	GRIET, Hyderabad March 12 -13, 2016
605	Dr. J.L Bhagoria, Ashutosh Mishra M.K Pradhan Parwez Alam	Optimization of Process based Transformer Industry using Hybridization of Fuzzy-AHP and DEA by Improvement Heuristic CRAFT	3rd International Conference on industrial engineering ICIE 2015	November 26-28, 2015
606	Dr. J.L Bhagoria, Singh G., Verma A. and Pradhan M.K.	An Injection Moulding Process: A Review	International Conference on Trends in Industrial and Mechanical Engineering, MANIT Bhopal	Feb. 04 2016.
607	Dr. J.L Bhagoria, Singh G. and Verma A.	A Brief Review on Injection Moulding Manufacturing Process	5th International Conference of Materials Processing and Characterization (ICMPC2016), GRIET, Hyderabad,	March 11-13, 2016.
608	Dr. J.L Bhagoria, Singhal N., Chouhan U. and Verma A	Application of Similarity Measures of Fuzzy Soft Sets in Selection of Production Methods",	5th International Conference of Materials Processing and Characterization (ICMPC2016), GRIET, Hyderabad,	March 11-13, 2016
Department of Material Science & Metallurgical Engineering				
609	Dr. Sanjay Srivastava, P. Jain	Structured and Particles sizes analysis of LaFeO3 nanao Particles	AIP conference Proceedings	2015
610	Dr. Sanjay Srivastava, P. Jain	The role of Sr doping on structure and micro structural properties of $LaFeO_3$	AIP conference Proceedings	2015
611	Dr.C.Sasikumar Saurabh Dayal	Structural and morphological properties of mesoporous carbon coated molybdenum oxide films	International Conference on Condensed Matter and Applied Physics (Icc 2015): Proceeding of International Conference on Condensed Matter and Applied Physics	30–31 October 2015 Bikaner, India AIP Conf. Proc. 1728, 020274 (2016)
612	Dr. C.Sasikumar Nimisha Pawar, Ankita Bhargava,	Synthesis and characterization of pure anatase phase	International Conference on Condensed Matter and Applied Physics (Icc 2015): Proceeding	30–31 October 2015 Bikaner, India

	Saurabh Dayal C. Sasikumar	nanocrystalline TiO_2 thin film by magnetron sputtering method	of International Conference on Condensed Matter and Applied Physics	AIP Conf. Proc. 1728, 020561 (2016)
613	Dr. C.Sasikumar Saurabh Dayal, Arshali Sasi Sapna Jhariya C. Sasikumar	Raman spectroscopic studies of thin film carbon nanostructures deposited using electro deposition technique	International Conference on Condensed Matter and Applied Physics (Icc 2015): Proceeding of International Conference on Condensed Matter and Applied Physics	30–31 October 2015 Bikaner, India AIP Conf. Proc. 1728, 020302 (2016)
614	Dr. C.Sasikumar Ajay Kumar Choubey, Geeta Agnihotri, C. Sasikumar	Analysis of Die Angle in Deep Drawing Process Using FEM	International Conference on Materials Processing and Characterization Materials Today: Proceedings, ,	14–15 March 2015 Vol. XX, pp. XXXX, 2016. (ISSN: 2214-7853 Elsevier Publication) Hyderabad, India
615	Dr. C.Sasikumar Monika Singh, Ajay Kumar Choubey, C. Sasikumar	Formability Analysis of Aluminium Alloy by ErichsenCupping Test Method	International Conference on Materials Processing and Characterization Materials Today: Proceedings, ,	14–15 March 2015 Vol. XX, pp. XXXX, 2016. (ISSN: 2214-7853 Elsevier Publication) Hyderabad, India
Department of Chemical Engineering				
616	Dr. Bharat Modhera, ShikhaGangil, DivyaBhagat, Priyanka Bhavate, Ranjana Singh, Supriya Agrawal	Study on Physiochemical Properties of Biodiesel	68th Annual Session of Indian Institute of Chemical Engineers CHEMCON	2015
617	Dr. Bharat Modhera, ShikhaGangil, YashwantParihar, DivyaBhagat, Priyanka Bhawate, VirendraDhakar	Modification of Zeolite Catalysts and their Application in Biodiesel Production	6th Annual Research Symposium in Chemical Engineering "Chemference-2015"	2015
618	Dr. Sunder Lal Pal , SubhaJayaraman, Deeptiraj Pant	Development of Polyaniline based copolymeric Nanocomposites for Electronic Applications	Sixth International Conference on Advancement on Polymeric Materials	2015
619	Dr. S. Suresh , Anushika Rani, Anil kumar	A Review on application of desalination in the agricultural field	Environmental Friendly Agriculture and Horticulture in Planning of a Smart City	2015
620	Dr. S. Suresh & S Singh	Study on sustainable food waste treatment	Environmental Friendly Agriculture and Horticulture in	2015

		using microbial fuel cell technology	Planning of a Smart City	
621	Dr. S. Suresh , Snigdha Mandal, Abhinav Rai, Sachin Koshti, S. Arisutha	A Review on hydrogen and methane production using anaerobic digestion. 4th National convention on hydrogen energy and advanced materials	4th National convention on hydrogen energy and advanced materials	2015
622	Dr. S. Suresh, Rajani Bharati	Synthesis of ZnO based nanocatalyst with palash flower powder for degradation of phenol	International conference on Advances in Chemical Engineering (ICACE2015)	2015
623	Dr. S. Suresh , Abhinav Rai, Sachin Koshti, Prerna Sen, S. Arisutha	Optimization of Engineering and Process Parameters for Electro-chemical treatment of textile wastewater	International conference on Advances in Chemical Engineering (ICACE2015)	2015
624	Dr. S. Suresh , Rajani Bharati	Application of nanocatalysis in horticulture and agriculture based wastewater	Environmental Friendly Agriculture and Horticulture in Planning of a Smart City	2015
625	Dr. S. Suresh , Prerna Sen, Tungabidya Mahrana.	A Review of environmental impact of brine sludge from chloro-alkali Industry	Environmental Friendly Agriculture and Horticulture in Planning of a Smart City	2015
626	Dr. S. Suresh , RB Katiyar, AK Sharma	A Review on composting of different leaf litter	Environmental Friendly Agriculture and Horticulture in Planning of a Smart City	2015
627	Dr. S. Suresh & S. Singh	Microbial fuel cells (MFCs): A suitable technology for wastewater treatment, bioenergy and bioproducts	1st International conference on "Recent advances in Bioenergy research (ICRABR-2015)	2015.
628	Dr. S. Suresh , Shivali Sahota, Khushhali M. Pandey, Sachin Kumar	Biological pretreatment of Water hyacinth (Eichhornia crassipes) for biofuel production.	1st International conference on "Recent Advances in Bio-energy research (ICRABR-2015)	2015
629	Dr. S. Suresh , Shivali Sahota, Khushhali M. Pandey	Recent advancement in biological pretreatment of lignocellulosic wastes and production of bioenergy.	International Conference on Interdisciplinary Research in Engineering, Management, Pharmacy and Science,	2015
630	Dr. S. Suresh , H.L Tiwari	Performance of Stilling Basin Models	International conference on water resources, coastal and ocean engineering (ICWRCOE 2015)	2015

631	Dr. S. Suresh	A Review on enhancement of biogas yield by pre-treatment and addition of additives. International Conference on Advances on Clean Energy Research	International Conference on Advances on Clean Energy Research	2016
632	Dr. S. Suresh	Sustainable energy and Technology Asia	Bangkok International Trade & Exhibition Centre	2016
633	Dr. S. Suresh	Performance of Microbial fuel cell and its dynamic parameters control through MATLAB simulation	International Conference on Advances in dynamics, Vibration and Control (ICADVC2016),	2016
634	Dr. S. Suresh , Rajani Bharati	A Review on nanocatalyts from waste for production of biofuel-via-bioenergy	Biofuels and Bioenergy: International conference and Exhibition	2016
635	Dr. S. Suresh & S Singh	Review on microbial fuel cell energy enhancement using nanomaterials	Biofuels and Bioenergy: International conference and Exhibition	2016
636	Dr. S. Suresh , Rajani Bharati,	Green Synthesis of ZnO nanocatalyst with palash leaves Extract for Acenaphthylene degradation from petrochemical industrial wastewater	International Conference on Materials Science & Technology (ICMTech-2016)	2016
637	Dr. S. Suresh , Anushika Rani, Anil kumar	A Review on application of integrated solar and bioenergy based technology	Biofuels and Bioenergy: International conference and Exhibition	2016
Department of Electroncs & Communication Engineering				
638	Aditya Goyal,Gaurav Pandey	400Gbps Coherent PON Downstream Transmission Using DP 16-QAM and DSP	ICTTM-2015, IIT Delhi, India.	11-12 April, 2015.
639	Aditya Goyal ,Sumit Gupta	OCDMA Technique with the switching of code between the users for Enhancing the Security	IEEE conference on ICCSP	2-4 April, 2015.
640	Arvind Rajawat,Rajendra Patel	Instruction Cache Design Space Exploration for Embedded Software Applications	VLSI Design and Test Symposium VDAT 2015 (June 2015)	2015
641	Dheeraj Agrawal,Dubey R	A Novel Approach for diagnosis of noisy component in rolling	2nd International Conference on Computer and Communication technology (IC3T)	24-26 July, 2015.

		bearing using Improved Empirical Mode Decomposition		
642	Kavita Khare,UdayPanwar ,	Leakage Reduction by Integrating IVC and ALS technique in 65nm CMOS One Bit Adder Circuit	International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2015 Bangalore.	July 31-1 August 2015
643	Kavita Khare,Ajay K Dadoria	A Novel Approach for Leakage Power Reduction in Deep Submicron Technologies in CMOS VLSI Circuits	IEEE International Conference on Computer Communication and Control (IC4-2015) in Indore, M.P,India	Sept 10-12, 2015
644	Kavita Khare,Ajay K Dadoria	Leakage Power Reduction Technique by using FinFET Technology	International Conference on ICT for Intelligent Systems (ICTIS – 2015) Ahmedabad, India	Nov 28–29, 2015
645	Kavita Khare ,Ajay K Dadoria	Sleepy Lector: A Novel approach for Leakage Reduction in DSM Technology	6TH INTERNATIONAL CONFERENCE,CONFLUENCE 2016 at Amity University Uttar Pradesh, Noida	Jan 14th-15th, 2016
646	Kavita Khare ,Ajay K Dadoria	Leakage Power Reduction Technique by using FinFET Technology	International Conference on Information and Communication Technology for Competitive Strategies(ICTCS- 2016) at Udaipur	March 4-5 2016
647	Kavita Khare Shailesh Dwivedi	ow-power high speed 1-bit full adder circuit design ow-power high speed 1-bit full adder circuit design low-power high speed 1-bit full adder circuit design	International Conference on Cyber Security and IT governance CY4-2016 at Ahmedabad	March 19 2016
648	Laxmi Kumre,Mahendrapal Singh Pachlaniya	Area Efficient Carry Select Adder Using XOR Gate Design	ICDCMMD 2016 : 18th International Conference on Digital Circuits, Microarchitecture and Multiprocessor Designs	May, 16-17, Paris, France
649	Laxmi Kumre, N.V.Ramesh	Design and Implementation of Flash Analogue to digital Converter	PMME2016 : International Conference on Materials, Minerals and Energy	July 29 - 30 2016. Andhra Pradesh, India
650	R.N.Yadav,Abhshek Rawat, Vidhi Rawat	Design Analysis of Intelligent Dynamically Phased Array Smart Antenna Using Dipole Leg and Radial basis Function Network	In Springer's Lecture Notes on Artificial Intelligence	2015.
651	R.N.Yadav , Ponam Sharma, K.V.Arya	Face Recognition Using Generalized Self	IEEE International Conference on Signal Processing and Integrated	Feb19-20,2015 Noida, India.

		Organizing Map Based on PCNN Features	Networks	
652	R.N.Yadav ,Sanyam Shukla	Voting based Extreme Learning Machine with Entropy based Ensemble Pruning	IEEE International Conference on Cognitive Computing and Information Processing 2015 (CCIP 15	March 3-5, 2015, Noida, India
653	R.N.Yadav Subhas Mishra	Neural Estimations of First Null Beam Width for Broadside and End-fire Uniform Linear Antenna Arrays	In proc. of the International Conference on Intelligent Computing and Applications	22-24, December 2014, Durgapur, India
654	Yashvant Kurmi and VijayshriChaurasia	Safety Box on Vehicle's Front for Striking Object	3rd IEEE International Conference on MOOC, Innovation and Technology in Education (MITE), 1-2 October 2015 at ACET, Amritsar	2015
655	YashvantKurmi, VijayshriChaurasia and Harish Kaptan	Microstrip Planer Antenna Array by Proximity Fed for Complete S Band Applications	IEEE UP Section Conference on Electrical Computer and Electronics (UPCON-2015), Allahabad, India	2015
656	Sunanda Ambulker Sangeeta Nakhate	Inductive tuned Voltage Controlled Oscillator for V Band	IEEE International Conference on Computer, Communication and Control (IC4-2015)	10-15 sep,2015
657	Satrughan Kumar and Jigyendra Sen Yadav	Background subtraction method for object detection and tracking	International Conference on Intelligent communication, control and devices	ICICCD-2016, Dehradun, 2-3/04/2016
658	Satrughan Kumar and Jigyendra Sen Yadav	An efficient motion detection method based on estimation of initial motion field using local variance	Proceedings of the Second International Conference on Computer and Communication Technologies	vol. 3, pp.417-425, July 2015
659	Satrughan Kumar and Jigyendra Sen Yadav	A survey on existing state-of-the-arts background subtraction methods under static and dynamic conditions	International Conference on Advances in engineering, research & technology	pp-36-42, June 2015
660	Arjun s. yadav, San geeta Nakhate,	Characterization of High Speed 9T SRAM Cell with Optimized Data Stability	International Conference of Elsevier on Recent Trends in Engineering and Materials Science (ICEMS-2016)	2016
661	Sunanda Ambulker, Sangeeta Nakhate	A novel switched Inductive tuned 60 GHz VCO design.	International Conference of Elsevier on Recent Trends in Engineering and Materials Science (ICEMS	2016
662	Swapneel Bhandarkar, Sangeeta Nakhate	Asymmetric Inductive Substrate bias RF SPDT Switch	International Conference of Elsevier on Recent Trends in Engineering and Materials Science (ICEMS	2016
663	Arjun s. yadav, Sangeeta Nakhate	Low Power 8T SRAM cell with high write	margins IEEE Conference ICPEICES, Delhi Technical	2016

		noise margins	University, Delhi	
664	Anshu Gupta, Lalita Gupta	Improved Transient Response Capacitor-less Low Drop-out (LDO) Regulator using Current Mode Transconductance Amplifier & Slew Rate Enhancement Technique	International Conference on Recent Cognizance in Wireless Communication & Image Processing (ICRCWIP-2014) Jaipur	January 16-17,2015
Department of Computer Science & Engineering				
665	Dr. Meenu Chawla Anjula Mehto Mayuri Sasane	Reputation Based Trust Count Approach for Detection of Black Hole Attack in a Delay Tolerant Network	International Conference on Make In India New Technologies, New Paradigm	January 2016
666	Dr. R. K. Pateriya Dr. S. K. Saritha	Rule-Based Shallow parsing to identify comparative sentences from text documents	Third International Conference on Emerging Research in Computing, Information, Communication and Applications – ERCICA	31 July 2015 & 01 August 2015
667	Dr. Deepak S.Tomar TarunYadav Nikhil Kumar Singh	Approach To Detect Malicious Web Pages Through Feature Extraction	IEEE Sixth International Conference on Communication Systems and Network Technologies	March-2016
668	Dr. Deepak S. Tomar Shakshi Sharma Nikhil Kumar Singh	Assessment of Influence-Based Community Detection Methods on Social Network	International Conference Of VijnanaParishad of India (VPI) On Computational And Integrative Science & International Symposium On Computational Biology	Dec 2015
669	Dr. Deepak S. Tomar Parveen Kumar Nikhil Singh	An Unsupervised Signature Generation Approach to Detect Email Bombing Using DBSCAN Clustering	IEEE International Conference on Computational Intelligence and Communication Networks	Dec 2015
670	Dr. Jyoti Bharti Dr. M K Gupta Astha Jain	Improvements in OpenCV's Viola Jones Algorithm in Face Detection–Skin Detection	18th International Conference on Image, Signal and Vision Computing ICISVC	6-7 June, 2016
671	Dr. S. K. Saritha Dr. R K Pateriya	Rule-Based Shallow parsing to identify comparative sentences from text documents	Third International Conference on Emerging Research in Computing, Information, Communication and Applications – ERCICA	31 July 2015 & 01 August 2015
672	Dr. Sanyam Shukla S. Yadav.	Analysis of k-Fold Cross-Validation over Hold-Out Validation on Colossal Datasets for Quality Classification	2016 IEEE 6th International Conference on Advanced Computing (IACC)	2016
673	Dr. Sanyam Shukla	A novel sparse ensemble	2015 IEEE International	2015

	J. Sharma S. Khare S. Kochkar V. Dharni	pruning algorithm using a new diversity measure;	Conference on Computational Intelligence and Computing Research	
674	Dr. Sanyam Shukla R. N. Yadav J. Sharma S. Khare	Analysis of statistical features for fault detection in ball bearing	2015 IEEE International Conference on Computational Intelligence, and Computing Research (ICCIC)	2015
675	Dr. Sanyam Shukla R. N. Yadav	Voting based Extreme learning machine with entropy based ensemble pruning; Cognitive Computing and Information Processing (CCIP)	International Conference on Cognitive Computing and Information Processing (CCIP	2015
Department of Mathematics & MCA				
676	Dr. Sanjay Sharma Ruchi Garg	Comparative Study on Techniques of IPv6 Header Compression in 6LoWPAN.	International Conference on Quality, Reliability, Infocom Technology and Business Operations	28-30 Dec 2015
677	Kamley Sachin Jaloree Shailesh Thakur R.S. KapilSaxena	Forward Chaining and Backward Chaining: Rule Based Expert System Approaches for Share Forecasting and Knowledge Representation	International Conference on Innovations in Computer Science and Information Technology	August 2015
678	Shaligram Prajapat, R. Chaudhary A. Khan S. Raikwar R.S. Thakur	Various Neural Network Approaches Towards Cryptanalysis	International Conference on Internet (ICONI)	Dec. 2015
679	Shaligram Prajapat A. Sharma R. S. Thakur	Recent AVK Approaches Towards Cryptanalysis	18th Annual Cum 1st International Conference Of VijnanaParishad Of India(VPI) On Computnational And Integrative Sciences & International Symposium On Computnational Biology, December 11-14, 2015	Dec 2015
680	Shaligram Prajapat Ramjeevan Singh Thakur	Application Of Linear Quadratic And Cubic Curves For Generation Of Parameterized AVK	18th Annual Cum 1st International Conference Of VijnanaParishad Of India(VPI) On Computnational And Integrative Sciences & International Symposium On Computnational Biology,	Dec 2015

			December 11-14, 2015	
681	Vinod Kumar R. S. Thakur	Distributed Clustering Algorithms for Big Data Analytics	18th Annual Cum 1st International Conference Of VijnanaParishad Of India(VPI) On Computnational And Integrative Sciences & International Symposium On Computnational Biology, December 11-14, 2015	Dec 2015
682	Gotam Singh Lalotra R. S. Thakur	Soft Set Based Feature Selection For Large Uncertain Data	18th Annual Cum 1st International Conference Of VijnanaParishad Of India(VPI) On Computnational And Integrative Sciences & International Symposium On Computnational Biology, December 11-14, 2015	Dec 2015
683	HarshaPatil Ramjeevan Singh	Hierarical Document Clustering and its Application	18th Annual Cum 1st International Conference Of VijnanaParishad Of India(VPI) On Computnational And Integrative Sciences & International Symposium On Computnational Biology, December 11-14, 2015	Dec 2015
684	Jayanti Mehra R. S. Thakur	Analysis Of Different Clustering Algorithms As Per Nature Of Data	International Conference on Quality, Reliability, Infocom Technology and Business Operations	28-30 Dec, 2015
685	Sunil Kumar Suryawanshi UshaChouhan	Prediction and Identification of Potential Antimicrobial Peptides from Turmeric Derived Proteins	18th Annual Cum 1st International Conference of VijnanaParishad of India on Computational and Integrative Sciences and International Symposium on Computational Biology MANIT, Bhopal, December 11-14, 2015.	December 11-14, 2015.
686	Neha Verma UshaChouhan	Quantitative Structure Activity Relationship Analysis of Peroxisome Proliferator-activated receptors Agonist for Type 2 Diabetes Therapy	International Conference on Advances in Science, Engineering and Technology – ICASET, Pune, July 26 2015.	July 26 2015
687	Dr. G.S. Thakur Harshita Patel	A Hybrid Weighted Nearest Neighbor Approach to Mine Imbalanced Data	12th International Conference on Data Mining 2016, DMIN'16 (www.dmin-2016.com), July 25-28, 2016, at Monte Carlo Resort, Las Vegas, Nevada, USA.	2016
Department of Physics and Centre of Nanoscience and Engineering				
688	M. A. Bhat , R.	Effect of Ag substitution	Solid State Physics AIP Conf 2014	Proc. vol 1571, pp.

	Choithrani , N. K. Gaur, R. Kurchania	on the structural and magnetic properties of $Sm_{0.55}Sr_{0.45}MnO_3$ (x = 0, 0.15) system		666-667, 2014
689	N. K. Gaur, R. Choithrani, M.A. Bhat, R. Kurchania	Transport properties of Ag doped $Pr_{0.67}Sr_{1-x}Ag_xMnO_3$	Solid State Physics AIP Conf 2014	Conf. Proc. vol 1571, pp. 1370-71, 2014
690	Mohammad Ramzan Parra, Padmini Pandey and Fozia Z. Haque	Pr3+ ion embedded ZnO nanoparticles synthesized by solvothermal process	International Conference on Nanotechnology for Better Living, 2016, NIT Srinagar,	May 25-29, 2016
691	Jyoti Bamne, P. K. Sharma, Nitu Singh Yana and Fozia Z. Haque	Effect of calcination temperature on phase transformation of TiO2 nanoparticles and their application in photocatalysis	International Conference on Nanotechnology for Better Living, 2016, NIT Srinagar,	May 25-29, 2016
692	Nitu Singh, Jyoti Bamne, Neha Singh and Fozia Zia Haque	X ray analysis of v2o5 nanoparticles by william hall method and surface morphology	International Conference on Nanotechnology for Better Living, 2016, NIT Srinagar	May 25-29, 2016
693	Hafsa Siddiqui and Fozia Z. Haque	Influence of calcination temperature on structural, morphological and optical properties of CuO Nanoparticles	International Conference on Nanotechnology (ALIGARH NANO-V) and STEM-Education and Research (STEM CON-16), AMU,	March 12-15, 2016
694	Padmini Pandey, Mohammad Ramzan Parra, Hafsa Siddiqui and Fozia Z. Haque	Hydrothermal synthesis of ZnO nanorods and their application as photoanode material in dye sensitized solar cells	International Conference on Nanotechnology for Better Living, 2016, NIT Srinagar,	May 25-29, 2016
695	Reeta Kumari, Megha Shrivastava and Fozia Z. Haque	Synthesis, Characterization and Transparency of Graphene Oxide nanoparticles prepared by Modified Hummer's Method	International conference on Advances Nanotechnology and Mechanical Engineering (ICNTME-16), Chennai	25-26 June, 2016
Department of Humanities & Social Sciences				
696	Dr. Shuchi Srivastava Ms. Ambri Shukla	'Pearl S Buck, My Several Worlds: A political and Historical Allegory'	International Conference on English Language and Literature: Readings and Reflections Gitam University, Hyderabad	07 & 08 August 2015
697	Dr. Shuchi Srivastava Ms. Suman Swati	'Perceptual Difference in the Biographies of Fitzgerald'	International Conference on English Language and Literature: Readings and Reflections Gitam University, Hyderabad	07 & 08 August 2015

Department of Management Studies				
698	Dr Bikrant Kesari & Sunil Atulkar	"Measuring the effects of retail functional Strategies on the growth of Organized retail environment"	3rd PAN-IIM WORLD MANAGEMENT CONFERENCE IIM –Indore	Dc 16-18, (2015)
699	Dr Bikrant Kesari & Sunil Atulkar	Emotional attachment to brand, creation on brand loyalty.	Int. Conference on Brand Management DMS, IIT Delhi	April 16-17 (2016)
700	Dr. Priyanka Verma & Anupam Singh	CSR Reporting:	IIM Raipur, ILSIU, Bangalore & IICA (Gov. of India).	15-16 May 2016 at New Delhi, India
701	Dr. Priyanka Verma&Somesh Kumar Sinha	A study on Brand Equity	International Conference on Brand Management at IIT,Delhi	April 16-17,2016
702	Dr. Priyanka Verma&Anupam Singh	CSR for Nation Building.	International Conference at IIM Calcutta	26th-27th Feb, 2016
703	V, Abhishek Parsai	Reality of Strategic Plan for Rural Drinking Water Sector in State of Madhya Pradesh	4th Young Water Professionals Conference, University of New South Wales, Sydney, Australia	February 18-19, 2016
704	Dr Varsha Rokade , Dr Babita Singh	Problems and prospects of Life insurance sector in India after deregulation : An Analytical Note	MICON 2016- Strategies in the Present Scenario for Managing Growth and Competitiveness, SRCEM Nagpur in association with Northumbria University, Newcastle Business School, UK & NIPM.	January 08-09, 2016
Department of Energy Centre				
705	P. Chaturvedi Amit Ojha Shailendra Jain	Unity power factor control ler for neutral point clamped active front end converter with DC voltage balancing	IEEE International Conference on Industrial Technology (ICIT)	2016
706	A.C.Sati, K.Sudhakar	Smart Dustbins: An Approach for Sustainable Solid Waste Management in Smart Cities	International Conference on Water, Environment, Energy & Society (ICWEES'16)	March, 2016
707	Kushagara Singh and K.Sudhakar	Development, and Economic Analysis of Hybrid Solar Still	International Conference on Water, Environment, Energy & Society (ICWEES'16)	March 2016
708	Sibu John, Nitish	Nanotechnology for solar	International Conference Green	2015

	Sharma, Vijay Kumar Manjhi, K.Sudhakar	and wind energy applications recent trends and future development	Computing and Internet of Things (ICGCIoT)	
709	Dr.Prashant Baredar Bhupendra Gupta, Prashant Baredar, Prem Shanka, Raghvendra Sharma	Comparative Experimental Investigation on Modified and Conventional Single Slope Solar Still	International Conference Computational Heat and Mass Transfer NIT Warangal, India	2016
710	Dr.Prashant Baredar, Anand Singh Bhupendra Gupta	Computational Simulation & Optimization of a Solar, Fuel Cell and Biomass Hybrid Energy System Using HOMER Pro Software	International Conference Computational Heat and Mass Transfer NIT Warangal, India	2016
711	Dr.Prashant Baredar, S. Suresh, Anil Kumar, Krishna kumar P	A review on enhancement of biogas yield by Pre-treatment and addition of additives	International Conference on Advances on Clean Energy Research Bangkok,Thailand	2016
712	Dr. Prashant Baredar, Bhupendra Gupta	Performance Enhancement using Nano Particles in Modified Passive Solar Still	Global Colloquium in Recent Advancement and Effectual Researches in Engineering, Science and Technology (RAEREST 2016) Kottayam, India	2-16
Department of Chemistry				
713	Dr. Savita Dixit	----------	International Conference (WASET) USA	25th-26th April 2016

NATIONAL CONFERENCE:

S.No.	Name of the Faculty Member (s)	Title of paper	Name of Journal	Volume & Year
Department of Civil Engineering				
714	Dr. S.K. Dubey Rakesh Patel K.K. Pathak	Analysis of composite beams using an electricity method	National conference on engineering organized by Govt. college of engg. KARAD (M.S)	27-28 Feb 2016
715	Dr. V. Prasad Pranshu Shrivastava Ruchi Khare	Effect of Draft Tube Diffuser Geometry on Performance of Hydraulic Turbine	National Conference on Fluid Mechanics and Fluid Power, NIT, Surathkal	14-16 December 2015
716	Dr. P.K. Jain, Kamal Singh	Walking and crossing behavior in varying	3rd Conference of Transportation Research Group of India (3rd	17 - 20 December, 2015

		pedestrian environments	CTRG) held at Kolkata,	
717	Dr. P.K. Jain Chandrawanshi S., Kumar, R.	Bearing Capacity Improvement of Confined Footings in Expansive Soils	50th IGC 2015 held at Pune on	17-19 Dec. 2015
718	Dr. P.K. Jain Meshram K.	Prediction Of Swelling Pressure For Expansive Soils	National Conference on "Strategic Perspectives and Advancements in Civil Enginnering held at JIT Borawan, Khargone,	13th April 2015
719	Dr. S.K. Katiyar Vijay Solanky Sangeeta Singh	Classification accuracy analysis on the different algorithm based fused remotely sensed imagery	Abstract accepted for publication in the National symposium on "Geomatics for Digital India" at Jaipur	16-18 December 2015
720	Dr. S.K. Katiyar Prashant Persai	Infrastructure Facility Planning and Management Study Using Open Source Technology	Proceedings of National Conference on Open Source GIS-OSGIS-15, IIT BHU, Varanasi	9-10 October 2015
721	Dr. S.K. Katiyar Sangeeta Singh Vijay Solanky	An Optimal Transportation Routing Approach using Open Source GIS for Shortest Path Evaluation,	Proceedings of National Conference on Open Source GIS-OSGIS-15, IIT BHU, Varanasi	9-10 October 2015
722	Dr. Charu Parashar Dr. Savita Dixit	To improve water quality through Macrophytes – a case study	National Water Sangoshti in Hindi. National Institute of Hydrology, Roorkee	20 October 2015
723	Dr. P.K. Agrawal A.B.Khan S.Choudhary	"A Simple Approach for Maintenance of Flexible Pavement of Rural Roads"	CRRI Conference 2016,	CRRI Delhi January 2016
724	Dr. P.K. Agrawal C.P Agrawal , S. Choudhary	Some Basic Concepts for Development of Road Asset Maintenance Management System"	Indian Road Congress 76th Annual Session	18 to 22 December 2015
725	Dr. Kamal Singh P.K.Jain	Walking and crossing behavior in varying pedestrian environments"	3rd Conference of Transportation Research Group of India (3rd CTRG), at Kolkata	17/12/2015 to 20/12/2015
726	Dr. Kamal Singh Badshah din Qiami Siddhartha Rokade Snehal Abhyankar	Utilization of Waste Glass as Partial Replacement of Fine Aggregates in Pavement Quality Concrete Mixes	International Conference on Advances in Concrete Technology, Materials & Construction Practices (CTMC2016,, Goa Engineering College, Farmagudi – Ponda Goa.	June, 22-24, 2016,
727	Dr. Siddharth Rokade Tomson M Felix S	A Review on Non Motorized Transport: An Effective mode of Urban Mobility for Smart Cities	National Conference on Sustainable and Smart Cities, SVNIT Surat	10th – 11th April 2015

728	Dr. Siddharth Rokade Ankit Tiwari D.P. Gupta	Evaluation of Satisfaction Level of Road User for PPP Highway Projects	LNCT Bhopal	2015
729	Dr. Siddharth Rokade Sherin Felix Drishti Agarwal Nikhil Sharma	Road Safety Audit: A Way Forward for a Safer and Accident Free Bhopal City	LNCT Bhopal	2015
730	Dr. Siddharth Rokade Anupam Kumar Tiwari	Review on Usage of HDPE and PET in Bituminous Concrete	National Conference on Emerging Trends in Civil Engineering, G.H. Raisoni College of Engineering, Nagpur	17th and 18th May,2016
731	Dr. Siddharth Rokade Vaibhav Vijayawargiya Kiran Pandey	Role of English Language in the Development of Smart Cities in India	LNCT,Bhopal	27th February,2016
732	Dr. Rakesh Kumar Dr. P. K. Jain Sareesh Chandrawanshi	Bearing Capacity Improvement of Confined Footings in Expansive Soils	50th Indian Geotechnical Conference	17th–19th Dec. 2015
733	Dr. Ruchi Khare Pranshu Shrivastava Vishnu Prasad	Effect of Draft Tube Diffuser Geometry on Performance of Hydraulic Turbine	National Conference on Fluid Mechanics and Fluid Power, NIT, Suratkal	14-16 December 2015
734	Dr. H.L. Tiwari	Application of GIS Technique in Soil Erosion Estimation	National conference on Climate change and Sustainable Water Resource Management at NIT Warangal	Sept.3-5,2015
735	Dr. H.L. Tiwari	Effect of Height of Triangular end sill on the Performance of Pipe outlet Stilling basin Models	Springer National conference on Water Resource and Hydro Power at UPES Dehradun	17-19, June 2016
736	Dr. H.L. Tiwari	Applications of Geoinformatics in Water Resources Management	National conference on AGICM at JNCT Bhopal	6th-7th Oct. 2015
Department of Mechanical Engineering				
737	Rajesh Gupta, Atul Joshi & Chetan Bawankar	"Numerical Simulation of Methane-Air and Syn Gas Premixed Flames: A Comparison of NOx Emission ",	24th National Conference on I. C. Engine and Combustion (NCICEC-2015), UPES, Dehradun, India	October 30-November 1, 2015.
738	Abdul Gafoor C.P.	Combined Effect of Initial	24th National Conference on I. C.	October 30-

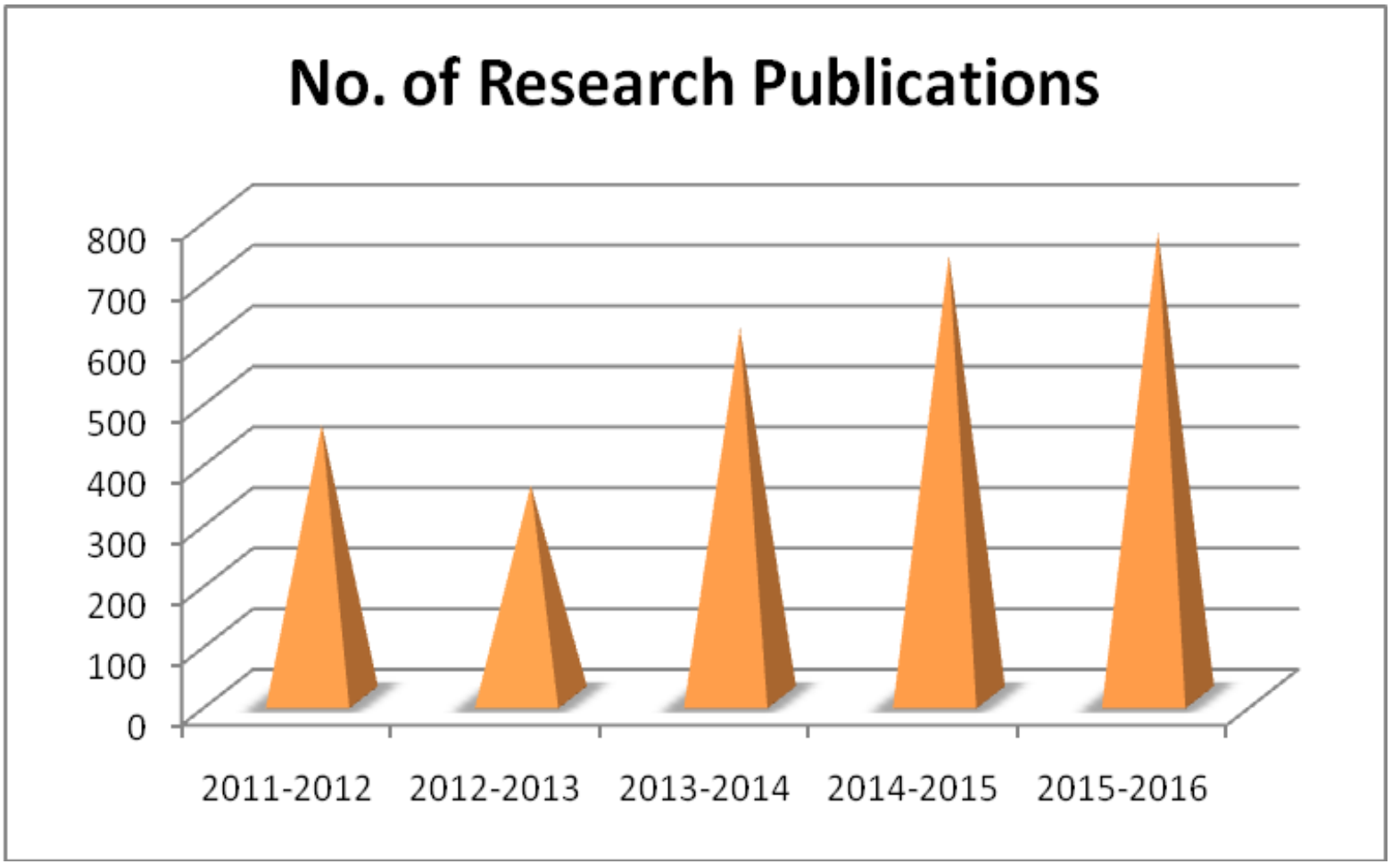
	and Rajesh Gupta	Swirl and Bowl Geometry on Spray—A Numerical Simulation",	Engine and Combustion NCICEC-2015), UPES, Dehradun, India	November 1, 2015.
739	Dinesh Kumar Soni and Rajesh Gupta	"Emissions & Performance Evaluation of Diesel Engine using Diesel Water Blend: A Comparison"	24th National Conference on I. C. Engine and Combustion NCICEC-2015), UPES, Dehradun, India,	October 30-November 1, 2015.
740	Rohit Kumar Gupta Vilas Warudkar Rajesh Purohit	Airfoil selection for low Reynolds number Horizontal Axis Wind Turbine Blades	Indian Conference on Applied Mechanics (INCAM) IIT Delhi	13 - 15th July 2015
741	Krishan Kumar Patel Rajesh Purohit Gaurav Kumar Gupta O.P Modi	Effect of ultrasonic stirring on microstructure and mechanical properties of cast in-situ AL alloy-TiC Composites	National Seminar on Recent Innovations in Advanced Materials CSIR-AMPRI Bhopal	29th December 2015
742	Dinesh Kumar Kasdekar Vishal Parashar Pradeep Soni	Optimization of Machining Parameters in Electro Discharge Machining of AI6061-Cu-Sic-Graphite Metal matrix Composite	International conference on Composite Materials and Material Engineering (ICCMME2016) held at Bangkok Thailand	March 9 – 11, 2016
743	Vilas Warudkar et al	Effect of Heat Treatment on Mechanical Properties of ADC12-SiC Metal Matrix Composite:	National Conference on Knowledge, Innovation in Technology and Engineering (NCKITE), at Kruti Institute of Technology & Engineering (KITE), Raipur, Chhattisgarh, India.	10-11 April 2015
		Department of Architecture & Planning		
744	Dr. Anupama Sharma Santosh Tiwari	Bio-Climatic Design Strategies for Healthier Habitat and Habitants	National Seminar on Emerging Trends in Green Technology, ASAP Gwalior	April 2016
745	Dr. Vinay Mohan Das	The Sacred in Indian System of Architecture: Case Study Mayamatam	Symposium on 'Intangible Art of Architecture'	22-23 April, 2016
746	Dr. Seemi Ahmed Dr. Supriya Vyas	Energy Conservation in Passive Solar Buildings & Energy Efficient Housing	Renewal Energy & Green Technology for Sustainable Development	17-18 October, 2015
747	Dr. Seemi Ahmed Dr. Supriya Vyas	Energy Conservation in Passive Solar Buildings	Renewable Energy and Green Technology for Sustainable Development	17-18 October 2015
748	Dr. Rajshree Kamat Ar. Rajesh Kumar Borkar	An Introduction to Mixed Landuse in Urban Areas with Focus on Health Services for High Growth Inclusive Urban Settlements: A case study of Arera Colony, Bhopal	Proceedings of 63rd National Town & Country Planners Congress, Chennai.	9-11 Jan 2015

Department of Physics and Centre of Nanoscience and Engineering				
749	Fozia Haque Khan	Oxide Nanomaterials: From Energy Harvesting to Environment Protection	National Conference on Functional Materials, DDU Gorakhpur University, Gorakhpur	March 10-12, 2016
Department of Management Studies				
750	Dr Bikrant Kesari Sunil Atulkar	"A Study on Motivational Activites, triggers customer for impulse purchase at organized retail stores	"The Art and Science of Management for current Decade" School of Management & Research ITM University Raipur (C.G)	Aug 13-14, (2015)
751	Dr Bikrant Kesari Bhupendra Verma	Assessing the effects of HRM Practices on Employee Morale	"The Art and Science of Management for current Decade" School of Management & Research ITM University Raipur (C.G)	Aug 13-14, (2015)
752	Dr Varsha Rokade Dr Babita Singh Manisha Singh	Human Resource Accounting practices : An Overview	National Seminar on 'Responsible Marketing for Sustainable Business' organized by Mahatma Gandhi University, Nalgonda Telangana	March 31, 2016
Department of Energy Centre				
753	Dr.K.Sudhakar, Somnath Bharech · Shahrukh Shahmin	Advancements in fuel cell technology and its applications	31st National Convention of Electrical Engineers & National Seminar on Renewable Energy and Green Technology for Sustainable Development	Oct 2015
754	Dr.K.Sudhakar, Tejas Kothari	Comparison of Electric and Diesel Locomotives: A Case Study of Indian Railway	31st National Convention of Electrical Engineers & National Seminar on Renewable Energy and Green Technology for Sustainable Development, Bhopal, India	Oct 2015
755	Dr.K.Sudhakar, Sreenath Sukumaran	Techno – Economic Aspects Of Solar PV Technologies In Indian Context	31st National Convention of Electrical Engineers & National Seminar on Renewable Energy and Green Technology for Sustainable Development, Bhopal	Oct 2015
756	Dr.K.Sudhakar, Sumit Kumar Mahato · Jay Prakash Bijarniya	A Pathway Towards Fully Renewable Indian Power Sector	31st National Convention of Electrical Engineers & National Seminar on Renewable Energy and Green Technology for Sustainable Development, Bhopal	Oct 2015
757	Dr.K.Sudhakar,	Energy Storage	31st National Convention of	Oct 2015

	Madhuri Gupta · Kaveri Markam · Archana Soni	Technologies: A Review of Concepts and Applications	Electrical Engineers & National Seminar on Renewable Energy and Green Technology for Sustainable Development, Bhopal	
758	Dr.K.Sudhakar, K N Shukla · Saroj Rangnekar	Mathematical Modeling and Experimental Validation of Characteristics Of Amorphous (A-Si) And Polycrystalline (P-Si) Solar Pv Modules	31st National Convention of Electrical Engineers & National Seminar on Renewable Energy and Green Technology for Sustainable Development, Bhopal, India	Oct 2015
Department of Electrical Engineering				
759	Dr. Sushma Gupta, Manju Gupta, Tripta Thakur	A Lab VIEW Based Proto - Type of AMI Based DSM Model of Demand Side Response Smart Grid Scheme to Mitigate Peak Electricity Demands with PV Access	National Conference in LT/HT Switchgear & Control Gear - Smart Technology (SWITCHCON-2016)	19-30 January, 2016, CPRI Bhopal
760	Dr. Sushma Gupta, Manju Gupta, Tripta Thakur	"A Proto-type of AMI based DSM Model for Load Management": Awarded Best Paper for Poster Presentation at IIT Madras, Chennai	National Conference on Recent Trends in Power Engineering (for Research Scholar)	29-30 December. 2015,
761	Dr. Amit Ojha, Karthik Chintala, Shailendra Jain, Bhanu Prakash	Real Time Simulation of Spwm And Svpwm Based Neutral Point Clamped Three Level Inverter	National Power Electronics Conference (NPEC), Dec. 2015	Dec. 2015
Department of Mathematics & MCA				
762	Shaligram Prajapat R. S. Thakur	Stochastic and Markov analysis of AVK based cryptosystem	IEEE ICCCC	Sept 2015
763	Shaligram Prajapat R. S. Thakur	Cryptic mining for AVK based Cryptosystem	ICISP	Dec. 2015
764	Kamley Sachin Jaloree Shailesh Thakur R.S	Importance and Utility of AI in Computer Science and Engineering	National Hindi Science Conference	Dec 2015
765	Satish Kumar Soni Ramjeevan Singh Thakur	Applications of Clustering Techniques in Matrimonial Data for Match Finding	National Hindi Science Congress	Dec 2015
766	Monika Sankat R. S. Thakur	Development of Semi-automatic Ontology for Natural Language Processing	National Hindi Science Congress	Dec 2015
767	R. S. Thakur	Strategic Imperatives for	Assemblage of Digital Era-2016	March 2016

		Green IT Computing		
768	R. S. Thakur	Performance Evaluation of GKMM Clustering Algorithm for Lung Cancer Data	Assemblage of Digital Era-2016	March 2016
769	R. S. Thakur	Categorization of Clustering Algorithms for Big Data: At a Glance	Assemblage of Digital Era-2016	March 2016
770	R. S. Thakur	Cryptography and Security of Data in Public Cloud Environment	Assemblage of Digital Era-2016	March 2016
771	Vivek Tiwari R. S. Thakur	Architecture for On-Demand Pattern Services: Pattern Warehouse	Doctoral Conference (DocCON-2016)	March 3, 2016

5 Year Comparative Analysis of Research Publications



6.6 BOOKS PUBLISHED

S.No.	Title of the Book/Monograph	Name of Author(s)	Name of Publisher	Year
Department of Electrical Engineering				
1	Modeling and Simulation using MATLAB Simulink, for ECE 978-81-265-5-5949	Dr. Shailendra Jain Dr. Sanjeevan Kapshe	Wiley India Pvt. Ltd.	2016
2	Handbook of Research on Emerging Technologies for Electrical Power Planning, Analysis, and Optimization (Advances in Computer and Electrical Engineering)	Dr. Tripta Thakur C Smita Shandilya Shishir Shandilya (Editor), Atulya K. Nagar (Editor)	IGI Global	2015
3	Fundamentals of Electrical Engineering	Dr. Pankaj Swarnkar	Satya Prakashan, New Delhi	2015
4	Network Analysis and Synthesis	Dr. Pankaj Swarnkar	Satya Prakashan, New Delhi	edited
5	Automatic Control Systems	Dr. Pankaj Swarnkar	Satya Prakashan, New Delhi	edited
6	Fundamentals of Electrical Engineering	Dr. Pankaj Swarnkar	Satya Prakashan, New Delhi	----
Department of Mechanical Engineering				
7	Wind Energy (Theory and Practice)	Dr. Siraj Ahmed	Eastern Economy Edition ISBN 978-81-203-5163-9 N	2016
8	Computer Graphics and CAD	Dr. Rajesh Purohit Dr. C.S Verma	Manakin Press, New Delhi	2016
9	An Injection moulding process	Dr. Ajay Verma Singh G M.K Pradhan	Excellent Publishing House, New Delhi	2016
10	Poka Yoke Techniques: Methodology and Design	Dr. Ajay Verma Kumar R R.K Dwivedi	Excellent Publishing House, New Delhi	2016
11	Trends Industrial and Mechanical Engineering	Dr. P.K Soni	Excellent Publishing House, New Delhi	Feb 2016
Department of Chemical Engineering				
12	Comparative Study of Catalytic and	Dr. Bharat Modhera	ISBN: 9789352300853)	2015

	Non-catalytic Tyre Pyrolysis Oil in Diesel Engine Application: An overview	Priti Yadav Titiksha Joshi		
13	Comparative Study of Properties of Biodiesel Produced from Different Sources	Dr. Bharat Modhera ShikhaGangil Ranjana Singh Priyanka Bhavate DivyaBhagat Supriya Agarwal	(ISBN: 9789383635955)	2015
14	Optimization of Biodiesel Production using Aspen Plus: A Review	Dr. Bharat Modhera Kalpana Patidar ShikhaGangil	(ISBN: 9789383635955)	2015
15	Recent Trends and Future Prospects of Biodiesel	Dr. Bharat Modhera Shikha Gangil Yashwant Parihar VirendraDhakar Ranjana Singh	(ISBN: 9789383635955)	2015
16	A Review on Cleaner Alternative Liquid Fuels from Waste Tyre Pyrolysis as a Green Technology	Dr. Bharat Modhera Titiksha Joshi Priti Yadav	(ISBN: 9789383635955)	2015
17	Fuel Cell using Proton Preferential Membrane with Acid Doping	Dr. Bharat Modhera Suraj Chauhan Akshay Rajpoot Vikram Yadav NageshChalkhor	(ISBN: 9789383635955)	2015
18	Organic Solar Cell: a Pioneering Technique to Enhance the Energy Production from Renewable Energy Sources	Dr. Bharat Modhera Rupali Jha VivekJha NageshChalkhor	(ISBN: 9789383635955)	2015
19	Computer Control of Chemical Equipment and Plants	Dr. S. Pal Anil Kumar	Under review	
20	Chemical Process Synthesis and Design	Dr. S. Pal Anil Kumar	Under preparation	
21	Green Chemical Engineering: An introduction to Catalysis, Kinetics and Chemical processes	Dr. S. Suresh S. Sundaramoorthy	Taylor & Francis Group, (ISBN: 9781466558830)	2015
22	Environmental Friendly Agriculture & Horticulture in planning of a smart city	Dr. S. Suresh M Shrivastava S Srivastava	Saksham Publisher (ISBN: 978-93-5196-081-2)	2015
23	Textbook of Transport Phenomenon for Fluid Flow and Heat Transfer	Dr. S. Suresh A. Keshav	Sunidhi Info Solutions Private Limited	(Accepted) 2015
24	Nanomaterials and food processing wastewater	Dr. S. Suresh Rajani Bharti Chandrakant Thakur	Elsevier	2016
25	Fluid mixing and power consumption in shake flask	Dr. S. Suresh	John Wiley & Sons, Inc.	2016
26	Synthesis of ZnO based nanocatalyst with palash flower powder for degradation of phenol	Dr. S. Suresh Rajani Bharati	Springler	2016.

Department of Energy Centre				
27	Fundamentals of Dye Sensitized Solar Cells	K.Sudhakar, Vipinraj Sugathan,Elsa John	Lambert Academic Publisher, Germany (978-36-59794421)	Nov 2015
28	Hydrogen Energy and Advanced Materials	Dr.Ameenur Rehman Siddiqui & Dr. K. Sudhakar	BS Publications, Hyderabad ISBN: 978-93-5230-085-3.	Nov 2015
29	Renewable Energy and Green Technology for sustainable development	K. Sudhakar · K.K.S.Gautam	BS Publications, Hyderabad ISBN: 978-93-83635-95-5.	Oct 2015
Department of Mathematics &MCA				
30	C Programming	Dr. Sanjay Sharma	Images Publication	2002, Revised in Year 2012
31	C++ Programming	Dr. Sanjay Sharma	SCA Publication	2015
32	Data Structure	Dr. Sanjay Sharma	SCA Publication	2015
33	Software Engineering (in Hindi)	Monica Sankat, Dr. R.S Thakur, Dr. B. S. Lodhi	Hindi Granth Academy, MP, Bhopal	2015
34	Profit Pattern Mining using Soft Computing for Decision Making: Pattern Mining Using Vague Set and Genetic Algorithm	VivekBadhe, **Dr. R.S Thakur** and Dr. G.S Thakur	IGI-Global, USA	2015 (accepted)
35	Parameterized Shared Key for AVK Approach	ShaligramPrajapat, **Ramjeevan Singh Thakur**	IGI-Global USA	2015 (accepted)
36	Knowledge Extraction from Domain-Specific Documents	Ram Kumar, ShaileshJaloree, **R. S. Thakur**	IGI-Global USA	2015 (accepted)
37	Semi-Automatic Ontology Design for Educational Purposes	Monica Sankat, **R. S. Thakur,**ShaileshJaloree	IGI-Global USA	2015 (accepted)
38	Big Data: Techniques, Tools, and Technologies – NoSQL Database	Vinod Kumar, **Ramjeevan Singh Thakur**	IGI-Global USA	2015 (accepted)
39	Bombay Stock Exchange of India: Patterns and Trends Prediction Using Data Mining Techniques	SachinKamley, ShaileshJaloree, **R. S. Thakur**	IGI-Global USA	2015 (accepted)
40	Document Clustering: A Summarized Survey	HarshaPatil, **R. S. Thakur**	IGI-Global USA	2015 (accepted)
41	Cluster Analysis with Various Algorithms for Mixed Data	Abha Sharma, **R. S. Thakur,**	IGI-Global USA	2015 (accepted)
42	Data Structure	Dr. G. S. Thakur Brijesh Bakariya	Madhya Pradesh Hindi GranthAcadmy	2015
Civil Engineering				

43	Transportation Engineering II (Reviewed)	Dr. P.K. Agrawal	Universities Press India Pvt. Ltd	-------
Electronics and Communication				
44	Wiley- Acing the Gate Electrical Engineering	Lalita Gupta, J S Lather, Debashias Chatterjee	Wiley Publishers India	Jan 2016
45	Emerging Research in Computing, Information, Communication and Applications	Uday Panwar	ISBN 978-81-322-2550-8, © 2015, Springer (India) Pvt. Ltd	2015
46	Background subtraction method for object detection and tracking in Advances in Intelligent Systems and Computing	Satrughan Kumar and Jigyendra Sen Yadav	Springer(Book Series)	In Press

6.7 CHAPTER CONTRIBUTION IN BOOKS:

S.No.	Title of the Book	Title of the chapter	Author of the chapter	Name of publisher	Year
Department of Chemical Engineering					
1	Fertilizer Technology I: Synthesis	Chapter 20- Membrane Contactor Technology-An introduction and case study of fertilizer industry effluent,	Suresh S S. Arisutha	Studium Press (India) Pvt. Ltd, (ISBN: 978-1-62699-044-9)	2015
2	Hydrogen Energy and Advanced Materials proceedings	Chapter 1-A Review on hydrogen and methane production using anaerobic digestion.	Suresh S Khushibu Kumari, S. Arisutha	BS Publications Press (India) Pvt. Ltd. (ISBN: 978-93-5230-085-3)	2015
3	Hydrogen Energy and Advanced Materials proceedings	Chapter 9- Bioconversion of temple/floral wastes using anaerobic digester.	Suresh S Shuchi Mittal, Anviti Chaurasiya, Khushboo Kumari, S. Arisutha	BS Publications Press (India) Pvt. Ltd, (ISBN: 978-93-5230-085-3)	2015
4	Hydrogen Energy and Advanced Materials proceedings	Chapter 10-Integrated Microbial fuel cell: An Experimental Approach	Suresh S Abhinav Rai, Sachin Koshti, S. Arisutha	BS Publications Press (India) Pvt. Ltd, (ISBN: 978-93-5230-085-3)	2015
Department of Architecture and Planning					
5	Urban and Regional Planning Education	Chapter Published	Dr. Preeti Omkar	--------	**------**

6.8 EXPERT LECTURES DELIVERED:

S.No.	Name of Faculty	Lecture delivered at(Name of the Organization)	Topic	Date
Department of Civil Engineering				
1.	Dr. S.K. Dubey	Water Resources Engg. Deptt. felid engineers	Concrete Mixes as per revenant code acceptance criteria	15/09/2015
2.	Dr. S.K. Dubey	Water Resources Engg. Deptt. felid engineers	NDT Tech. of concrete structural mixes	15/09/2015
3.	Dr. Vishnu Prasand	----------	Basic Concepts of CFD	30-11-2015
4.	Dr. M .S. Hora	National Institute of Technical Teachers Training and Research (NITTTR), Bhopal	Application of FEM in plate Problems	June 2016
5.	Dr. P.K.Jain	Patel College, Bhopal	Basic of Geotechnical Engg.	Nov 2015
6.	Dr. P.K.Jain	SIRT, Bhopal	Recent Advances in Civil Engg.	Sep 2015
7.	Dr. P.K.Jain	Archeological survey of India, Sachi	Building Materials and foundation	Jun 2016
8.	Dr. P.K.Jain	MANIT Bhopal	Deep Foundation	28-06-16
9.	Dr. P.K.Jain	Soil investigation and design of foundation STTP, MANIT Bhopal	Dynamic Properties of soil	29-06-16
10.	Dr. S. K. Kateriyar	National Institute of Rural Development, Hyderabad	Basic Concepts of Geoinformatics and DGPS Survey	5 Mar 2016
11.	Dr. S. K. Kateriyar	DST	Basic Concepts of Geoinformatics and its application in public Health	8 Mar 2016
12.	Dr. S. K. Kateriyar	AISECT University Bhopal	Basic Concepts of Geoinformatics and DGPS Survey	14 Mar 2016
13.	Dr. Mukul Kulshrestha	India Inspires, Indore	Is Meat-Eating a matter of personal Choice? A scientific Analysis	29-10-2015
14.	Dr. Mukul Kulshrestha	Institute of Engineer's, Bhopal	Emerging Sustainability issue and challenges	20-03-2016
15.	Dr. Mukul Kulshrestha	6 international conference on Tec.	The Conflicting issue of Sustainable development and	11-13 feb. 2016

		Innovation & management for sustainable development, ITM University, Gwalior	Fulfillment of seven billion dreams on the planet earth-some thoughts	
16.	Dr. Mukul Kulshrestha	EPCO, Bhopal(training program me)	The Indian urban water supplies sustainability issues	18-03-2016
17.	Dr. Jyoti Sarup	Academy of Administration, Bhopal	Application of Remote Sensing and GIS in Geology, Water Resources	
18.	Dr. Jyoti Sarup	Disaster Management Institute, Bhopal	Application of Microwave Remote Sensing in Flood mapping and Monitoring	
19.	Dr. Siddhhart Rokade	Oriental College, Bhopal	Highway pavement materials maintenance and recent development	11-09-15
20.	Dr. Siddhhart Rokade	PTRI, Police Head Quarter, Bhopal	Traffic Engg. in road safety management	23-12-15
21.	Dr. Siddhhart Rokade	PTRI, Police Head Quarter, Bhopal	Traffic Engg. in road safety management	12-01-16
22.	Dr. Siddhhart Rokade	MANIT Bhopal	Pavement Evaluation Techniques	01-02-16
23.	Dr. Siddhhart Rokade	PTRI, Police Head Quarter, Bhopal	Traffic Engg. in road safety management and black spot junction	01-02-16
24.	Dr. Siddhhart Rokade	SPA Bhopal	NMT, Transport management measures, transit oriented development & road safety audit	27-02-16
25.	Dr. Siddhhart Rokade	MANIT Bhopal	Intelligent Transport System(urban Transport & traffic management to control vehicular pollution of automotives)	31-02-16
26.	Dr. Siddhhart Rokade	Gujrat Tech. University	Emerging Tech. in Pavement evalution	01-04-16
27.	Dr. Siddhhart Rokade	MANIT Bhopal	Pavement Engg., evaluation and maintenance	29-06-16
28.	Dr. Vivek Garg	MANIT, Bhopal	Soil Investigation and Design of Foundations	27-06-2016 to 01-07-16
29.	Dr. H.L.Tiwari	Patel College, Bhopal	Innovation in the design of Stilling basin model	06-10-15
30.	Dr. H.L.Tiwari	ISCA Bhopal	Science and Tech. in rural Development	30-03-15
Department of Mechanical Engineering				
31	Dr. Siraj Ahmed	CAD Lab. MANIT	Wind Turbine Design	16-04-2015
32	Dr. Siraj Ahmed	CAD Lab. MANIT	Remote Sensing for Wind	18-04-2015

			Energy	
33	Dr. Siraj Ahmed	CAD Lab. MANIT	Wind Energy Technology	
34	Dr. Siraj Ahmed	St. Vincent Engineering College, Nagpur	Design of Shaft	
35	Dr. Siraj Ahmed	BHEL, HRDC,Bhopal	Design of Shaft	
36	Dr. Siraj Ahmed	BHEL, HRDC,Bhopal	Design of Shaft	
37	Dr. Siraj Ahmed	BHEL, HRDC,Bhopal	Fundamentals of Fatigue Failure	
38	Dr. Siraj Ahmed	CAD Lab. MANIT Bhopal	Design of gears	
39	Dr. Siraj Ahmed	CAD Lab. MANIT Bhopal	Wind Energy Technology: State of Art	
40	Dr. Siraj Ahmed	G-9 MANIT Bhopal	Wind Turbine Rotor Aerodynamic Design	
41	Dr. Siraj Ahmed	Department of Electrical Engineering, DTU, Delhi	Wind Energy State of Art	
42	Dr. Siraj Ahmed	Department of Physics, University of Kota	Wind Energy Technology	
43	Dr. Siraj Ahmed	ASCT, Bhopal	Introduction to Wind Energy	
44	Dr. Siraj Ahmed	Ashoka Hall, Manekshaw Centre, Delhi	Remote Sensing Application in Wind Energy	
45	Dr. Siraj Ahmed	CAD Lab., MANIT	Planning, Preparation and Presentation: 3Ps	
46	Dr. Siraj Ahmed	CAD Lab., MANIT	Wind Turbine Design	
47	Dr. Siraj Ahmed	CAD Lab., MANIT	Wind Energy Technology and Application of Remote Sensing	
48	Dr. Siraj Ahmed	G-9 MANIT	- Wind Energy Technology and Application of Remote Sensing	
49	Dr. Siraj Ahmed	Energy Centre, MANIT	Remote Sensing Application in Wind Energy	
50	Dr. Siraj Ahmed	LNCT & S, Bhopal	Wind Energy Technology and Application of Remote Sensing	
51	Dr. Siraj Ahmed	S.V Polytechnic, Bhopal	Wind Energy	
52	Dr. Siraj Ahmed	Deptt. of Mechanical Engg.,	Reverse Engineering	

		MANIT, Bhopal		
53	Dr. Siraj Ahmed	Bansal Instt. Of Science & Technology, Bhopal	Wind Energy Technology	
54	Dr. Atul Lanjewar	Department of Mechanical Engg., MANIT, Bhopal	Solar Air Heater Design	
55	Dr. Atul Lanjewar	Department of Mechanical Engg., MANIT, Bhopal	Heat Transfer Enhancement in Solar Air Heater	
56	Dr. Vishal Parashar	BHEL, Bhopal	Concepts of drawing on dimensions and tolerances	
57	Dr. Rajesh Purohit	MANIT, Bhopal.	Nanotechnology and Nanomaterials	
58	Dr. Rajesh Purohit	BHEL, Bhopal	Nanotechnology and Nanomaterials	
59	Dr. Rajesh Purohit	BHEL, Bhopal	Nanotechnology	
60	Dr. Atul Lanjewar	MANIT, Bhopal.	Performance Enhancement of Solar Air Heater	
61	Dr. Atul Lanjewar	MANIT, Bhopal.	Heat Transfer Enhancement in Solar Air Heater	
Department of Chemical Engineering				
62	----------	Mahatma Gandhi University, Kottayam, Kerala, India.	Synthesis and Characterization of SAPOs Nanomaterial from Aqueous and Non-aqueous media	21st August 2014.
63	----------	The Institution of Engineers (India), M. P.	Flow / Vortex Induced Vibrations in Process Industries	15th November 2014
64	----------	Maulana Azad National Institute of Technology, Bhopal, India.	Disaster Management Policy	4th July, 2014
65	----------	Asian Institute of Technology, Thailand	Water Treatment by Adsorption and coagulation process, Environmental Engineering and Management	21 - 22 March, 2015
66	----------	Department of Mechanical Engineering, MANIT Bhopal	Methane sensing nanomaterials-From Concept to Prototype. STTP on “Nano-manufacturing and nanotechnology	16 – 17th January, 2015
67		Indore Institute of Science & Technology,	Grassroots Renewable Innovation in Green Technologies.	30th June – 04th July, 2014

		Indore, India.		
68		Department of Mechanical Engineering, MANIT Bhopal	Process Innovation and Patenting of Photoreactor Technology	
69		IEI (India), MP state centre,	Green Technology- A Chemical Engineering Perspectives	15th Sep' 2015
70		Indian Science Congress Association and University of Mysore, India	Modeling and parameter optimization of biogas production from sial leaf residue, palash leaf litter and bamboo chips	3-7th January 2016
Department of Mathematics & MCA				
71	By Dr. K. R. Pardasani	Sardar Vallabhbhai National Institute Of Technology, Surat Gujarat	Mathematical Modeling, Optimization, Fractional Calculus and their Computations in Engineering and Sciences (MMOFCCES-2016)	June 21-25, 2016
72	By Dr. K. R. Pardasani	MANIT	Modelling & Simulation	JUNE 24-28, 2016
73	By Dr. K. R. Pardasani	Govt. Madhav Science P.G. Collage Dewas Road Ujjain	"Basics of Bioinformatics"	10 Sept 2015
74	By Dr. K. R. Pardasani	M.P. Council of Science and Technology	"Development of DNA Barcodes using MTCOX-1 Gene for Species Identification"	18 to 24 Nov 2015
75	By Dr. K. R. Pardasani	----------	"Recent trends in Applied Science & Technology" (NCTRAST-2016)	May 06 and 07 2016
76	By Dr. K. R. Pardasani	MANIT	Bioinformatics	August 17th – 1st September 2015
77	By Dr. K. R. Pardasani	MANIT	Local and semilocal convergence of iterative methods for solving nonlinear equations	
78	Dr. R.S. Thakur	MANIT	"Pattern Warehouse"	August 17th – 1st September 2015
79	Dr. R.S. Thakur	IndraGanesan College of Engineering, Tiruchirappalli, T.N	"Pattern Warehouse"	3rd September 2015
80	Dr. R.S. Thakur	National Institute of Technology, Tiruchirappalli, T.N	"Pattern Warehouse: Emerging Technology in Databases"	4th September 2015

81	Dr. R.S. Thakur	Govt. college of Technology, Coimbatore, T.N	“Pattern Mining”	26th October 2015
82	Dr. R.S. Thakur	Rajiv Gandhi Govt. PG College, Mandsour, MP	“Concepts of Operating Systems”	6th November 2015
83	Dr. R.S. Thakur	Department of Computer Science, V. V. M. College, Betul MP	“Data Mining”	25th November 2015
84	Dr. R.S. Thakur	MATS University, Raipur (CG)	“Green IT: Towards Sustainable Computing”	6 Feb 2016
85	Dr. R.S. Thakur	MAM College of Engineering and Technology Trichy	“Green IT”	25 Feb 2016
86	Dr. R.S. Thakur	Department of IT, Thiagaraja College of Engineering, Madurai	“Green IT”	26 Feb 2016
87	Dr. R.S. Thakur	The Bhopal School of Social Sciences, Bhopal	“Green Computing”	18th-19th March 2016
88	Dr. R.S. Thakur	Department of Computer Science & Engineering Dr. C. V. Raman Institute of Science & Technology, Dr. C. V. Raman University, Bilaspur	“Research Methodology”	16 April 2016
89	Dr. R.S. Thakur	Department of Computer Technology, Anna University MIT Campus, Chennai	“Research Challenges”	05 April 2016
90	Dr R S Thakur	Department of Computer Science & Engineering, SUN College of Engg. & Technology, Erachakulam, Nagercoil	“Green Computing”	06 May 2016
91	Dr R S Thakur	Sagar Institute of Research and Technology Bhopal	Data Analytics and Clustering	03 Aug 2016
92	Dr R S Thakur	Laxmipati Institute of Science & Technology Bhopal	Data Analytics and Clustering	03 Aug2016
93	Dr. Usha	MANIT	Computational Phylogenetics	August 2015

	Chouhan			
94	Dr. Usha Chouhan	MANIT	Population Dynamics	June 2016
Department of Physics and Centre of Nanoscience and Engineering				
95	----------	SISTEC Bhopal	Green Nanotechnology: From energy harvesting to water treatment	----------
Department of Architecture and Planning				
96	Dr. Supriya Vyas	TRUBA Bhopal	Advanced Building Materials	February 29 2016
Department of Biological Sciences				
97	----------	CIAE Bhopal	SPECTROSCOPY	----------
Department of Electrical Engineering				
98	Dr. R.K.Nema	EED, MANIT BHOPAL	DC-DC Converter	
99	Dr. R.K.Nema	EED, MANIT BHOPAL	Switched Mode Power Converters	
100	Dr. R.K.Nema	EED, MANIT BHOPAL	Pspice Simulation of Power Electronics Converters	
101	Dr. R.K.Nema	EED, MANIT BHOPAL & NIELIT Aurangabad	Building blocks and Fundamentals of Data Converter	
102	Dr. R.K.Nema	EED, MANIT BHOPAL & NIELIT Aurangabad	Switched Capacitor circuits	
103	Dr. R.K.Nema	EED, MANIT BHOPAL & NIELIT Aurangabad	Nyquist Rate DAC-I	
104	Dr. R.K.Nema	EED, MANIT BHOPAL & NIELIT Aurangabad	Nyquist Rate DAC-II	
105	Dr. R.K.Nema	EED, MANIT BHOPAL & NIELIT Aurangabad	Pspice Simulation of DAC-I	
106	Dr. R.K.Nema	EED, MANIT BHOPAL & NIELIT Aurangabad	Pspice Simulation of DAC-II	
107	Dr. R.K.Nema	EED, MANIT BHOPAL & NIELIT Aurangabad	Nyquist Rate ADC-I	
108	Dr. R.K.Nema	EED, MANIT BHOPAL & NIELIT	Nyquist Rate	

		Aurangabad	ADC/Oversampled/sigma-delta Converters	
109	Dr. R.K.Nema	EED, MANIT BHOPAL & NIELIT Aurangabad	Digital Controller Lab-I	
110	Dr. R.K.Nema	EED, MANIT BHOPAL & NIELIT Aurangabad	Digital Controller Lab-II	
111	Dr. R.K.Nema	EED, MANIT BHOPAL & NIELIT Aurangabad	Gm-C & MOSFET-C Filter	
112	Dr. R.K.Nema	NIT Raipur	Non-isolated DC-DC Converter and its application in Solar PV	
113	Dr. R.K.Nema	NIT Raipur	Isolated Switched Mode Power Converter	
114	Dr. R.K.Nema	NIT Raipur	PSpice Simulation of Power Electronics Converters	
115	Dr. R.K.Nema	EED Rajiv Gandhi College of Engineering & Research, Nagpur	Solar PV Technology: An Introduction	
116	Dr. R.K.Nema	EED Rajiv Gandhi College of Engineering & Research, Nagpur	Power Controller for SPV applications	
117	Dr. Shailendra Jain	Rajeev Gandhi College of Engg & Research, Nagpur	Modeling of Renewable Energy Sources in Distributed Generation	12-13 April 16
118	Dr. Shailendra Jain	Patel Institute of Tech, Bhopal	Role of Power Electronics for Energy Conservation	23rd Feb 2016
119	Dr. Shailendra Jain	Dept of ECE, MANIT Bhopal	Literature review and selection of topic	23-24 Jan 2016
120	Dr. Shailendra Jain	APEED MANIT Bhopal	PQ Issues : Causes, Effects and Solutions (APF & HPFC)	3-7 Jan 2016
121	Dr. Shailendra	APEED MANIT Bhopal	Simulation of Power Electronics Converters	3-7 Jan 2016

	Jain		(MATLAB)	
122	Dr. Shailendra Jain	APEED MANIT Bhopal	MLI: Classical and Reduce Device Count	3-7 Jan 2016
123	Dr. Shailendra Jain	APEED MANIT Bhopal	Fuzzy Logic Control for Power Converters	3-7 Jan 2016
124	Dr. Shailendra Jain	NIT Raipur	Key Note Speech on Role of Power Electronics Converters and Digital Controllers in Modern Age	14-18 Dec 2015
125	Dr. Shailendra Jain	NIT Raipur	Power Quality and Active Power Filters	14-18 Dec 2015
126	Dr. Shailendra Jain	NIT Raipur	Design and Implementation of Fuzzy logic Controller for Power Electronics Converters	14-18 Dec 2015
127	Dr. Shailendra Jain	NIT Raipur,	Lab Session on Simulation and Experimentation	14-18 Dec 2015
128	Dr. Shailendra Jain	MANIT Bhopal & MSICD, Sponsored by NILEIT Aurangabad	Data Converters in Digital Controllers	16-20 Nov 2015 & 17th Nov
129	Dr. Shailendra Jain	NIT Nagpur	Modeling of Renewable Energy Sources for Grid Interface	11th Sept. 2015
130	Dr. Shailendra Jain	Patel College of Engg & Sc, Bhopal	Role of Power Electronics for Energy Conservation	4th Sept 2015
131	Dr. Shailendra Jain	SATI Vidisha	AI technique: Fuzzy Decision Making	25th Aug. 2015
132	Dr. Shailendra Jain	Rajeev Gandhi Engg Institute, Nagpur	Modeling & Simulation of Electrical Systems	27th July 2015
133	Dr. Tripta Thakur	----------	Fourth Element "MEMERISTOR	17-18 August 2015
134	Dr. Tripta Thakur	Durham Energy Institute, Durham University	Emerging business scenarios in Indian Distribution Sector	15 June 2016
135	Dr. Tripta Thakur	Govt. V.Y.T. PG. Autonomous College Durg (C.G.),	Global power scenario and sustainability	2nd-3rd Dec 2015
136	Dr. Suresh Kumar Gawre	Mech. Dept, MANIT, Bhopal	Fundamentals of solar PV system (RTSWE-2016)	
137	Dr. Suresh Kumar Gawre	Mech. Dept, MANIT, Bhopal	Solar PV Advance applications (RTSWE-2016)	

138	Dr. Pankaj Swarnkar	MITS, Gwalior	Application of PID controller in electrical Drives	24/02/2015
139	Dr. Pankaj Swarnkar	ITM university, Gwalior	Tuning of PID controller	24/02/2015
140	Dr. Pankaj Swarnkar	SISTEC, Bhopal	Author speak on Control system and Networks	16/04/2015
141	Dr. Pankaj Swarnkar	CRISP, Bhopal	Control System Applications using MATLAB	22/08/2015
142	Dr. Pankaj Swarnkar	OCT, Bhopal	Design and application of PID controller	08/09/2015
143	Dr. Pankaj Swarnkar	IES IPS Academy, Indore	PID controller-design and tuning	11/03/2016
144	Dr. Mukesh K. Kirar	JNCT, Bhopal	Transmission line design and analysis	----------

6.10 AWARDS/HONOURS CONFERRED:

Name of Faculty Members	Name of Award	Awarded for	Awarding Agency	Year
Department of Chemical Engineering				
Dr. S. Suresh	Rashtriya Gaurav Award	----------	India International Friendship Society, New Delhi	**2015**
Dr. S. Suresh	4th IGCW-2015 award	Knowledge Community & Academic Research category: Industrial Green Chemistry World (IGCW 2015)	Green ChemisTree Foundation, Mumbai, India	December 2015
Dr. S. Suresh	Best Poster award	----------	Indian Science Congress, University of Mysore	3-7 January 2016
Department of Civil Engineering				
Dr. H.L. Tiwari	Best paper award	----------	AISECT University	March 15-18 2016
Department of Energy Studies				
Dr. K. Sudhakar	Dr Abdul Kalam Gold Medal Award	----------	Global Economic Progress Research Association , Chennai	October 2015
Department of Mechanical Engineering				
Dr. A. Rehman	Excellent paper award	----------	Turkey conference	24 Jan 2016
Dr. J. L. Bhagoria	Best paper award	PSRC	Bangkok	16 Dec

				2015

6.11 FOREIGN VISITS:

Name of Faculty Members	Country visited	Purpose	From	To
Department of Architecture and Planning				
Dr. Anupama Sharma	Sen Diego, USA	International Conference at EUEC-2016	3 February 2016	5 February 2016
Department of Electrical Engineering				
Dr. Tripta Thakur	UK (Durham Univ.)	Visited as Sr Research Fellowship (COFUND Fellowship)	30 March 2016	01 July 2016
Department of Mathematics and MCA				
Dr. R. S. Thakur	China	Workshop attended	12 June 2015	2 July 2015
Dr.G.S.Thakur	Italy	To attend Conference and Workshop	14 June 2015	18 Jul 2015
Dr.G.S.Thakur	Germany	Academic visit	13 Jul 2015	13 Jul 2015
Dr. J. P. Jaiswal	Greece	To present the research paper in "13th International conference of Numerical Analysis and its Applications" held at Rodos Palace Hotel, Rhodes, Greece	23 Sep 2015	29 Sep 2015
Department of Energy Studies				
Dr. AnilKumar	Prince of Songkla University, Hat Yai, Thailand	Post Doctoral Fellow	June-2015	May-2017
Dr.Prashant Baredar	Bangkok, Thailand	International Conference	16 April 16	16 April 2016
Department of Chemical Engineering				
Dr. S. Suresh	Bangkok	Teaching and research work	January 2016	May 2016
Chemistry				
Dr. Savita Dixit	USA	International Conference (WASET)	25 April 2016	26 April 2016
Department of Civil Engineering				
Dr. P.K. Agrawal	China	WCTR Conference	09 Jul 16	15 Jul 16
Dr. Mukul Kulshreshtha	UK	Visiting Fellow in the School of Civil Engineering, Faculty of Engineering at the University of	12 January 2015	11 April 2015

		Leeds, UK		
	Sweden	To attend the World Water Week 2015, Stockholm Sweden, Organized by the Stockholm International Water Institute (SIWI).	23 August 2015	23 August 2015
	France	To Attend a discussion session for Indo-French Centre for the Promotion of Advanced Research/ Centre Franco-Indien pour la Promotion de Recherché Avancée (IFCPAR/CEFIPRA) at French Ministry for Foreign Affairs, Paris	30 August 2015	02 September 2015
Dr. M.S. Chauhan	Texas	8th International Conference on Environment Science and Technology from to, Houston Texas.	6 June 2016	10 June 2016
Department of Electronics and Communication				
----------	PARIS, FRANCE	PAPER PRESENTATION	15 May 2016	18 May 2016
----------	NEWYORK,USA	To attend & present the paper entitled improvements in Open CV's Viola Jones Algorithm in phase detection – skin dectection in 19th international conference on image,signal and vision computing	03 June 2016	10 June 2016
Department of Mechanical Engineering				
Dr. R. M. Sarviya	New York, USA	Paper presented in 18th International Conference on Nuclear and Renewable Energy ICNRER- 2016	6 June 2016	7 June 2016
Dr. J. L. Bhagoria	Bangkok	International Conference on Mechanical |Engineering	15 Dec 2015	16 Dec 2015
Prof. Rajesh Gupta	New York, USA	Paper presented in 18th International Conference on Nuclear and Renewable Energy ICNRER- 2016	6 June 2016	7 June 2016
Dr. S. P. S. Rajput	Houston, Texas, USA	Paper presented in The eights International conference on "Environmental Science and Technology", Sponsored by American Academy of Science	6 June 16	----------
Dr.Vilas Warudkar	London, United Kingdom	18th International Conference on Disaster and Emergency Management : ICDEM 2016, World Academy of Science, Engineering and Technology	17 Mar2016	18 Mar 2016

7.0 CENTRAL FACILITIES & SERVICES

7.1 CENTRAL LIBRARY

1. Number of books in the Central Library (Main Section): more than 1,00,000 (One Lac) [as per available records]

2. Central Library Working Hours : 8:00 AM to 8:00 PM (On Institute Working Days)

3. About Book Bank facility: Separate Book Bank Facility for both General Category & SC/ST students.

4. Number of books in General Book Bank : More than 5,500 [as per available records]

5. Number of books in SC/ST Book Bank : More than 14,000 [as per available records]

6. Learning Material CDs: More than 2,000 [as per available records]

7. E-Shodhsindhu Consortium Membership: MANIT, Bhopal, is a member of E-Shodhsindhu consortium. By virtue of this membership, the institute has access to some important online resources, including: ACM, ASCE, ASME, J-Gate, Nature, OUP, JSTOR, EPW, ASTM, ISID etc. The institute has also subscribed to ScienceDirect, IEEE and INFORMS Journals, Membership of DELNET & about 12 eBooks packages.

8. Digital Library Facility: Available

9. Central Library Advisory Committee: It includes Chairman, three Members [a former Chairman (LAC), I/c Librarian and Asstt. Registrar (Purchase)], and all Departmental Library Coordinators as associate members.

10. Divisions of Central Library: The Central library is divided into seven distinct divisions, namely: Acquisition, Binding, Circulation, Computer Center & Data Entry, Documents & Records Keeping, and Overdue Charges. Each division is headed by a senior library professional / employee with years of experience behind him. All divisional in-charges report to I/c Librarian and work under his supervision.

7.2 HOSTEL

Following are the details of all hostel rooms and students strength in hostels :

S.No	Hostel No.	No. of Alloted Room	No. of Student	
			Boys	**Girls**
1	H-1	73	288	-
2	H-2	73	283	-
3	H-3	144	305	-
4	H-4	144	307	-
5	H-5	264	348	-
6	H-6	264	369	-
7	H-7 (Girls Hostel)	340+ (2 Quarters)	-	902
8	H-8 (A-Block)	128+(2 Halls)	279	-
9	H-8 (B-Block)	128+(2 Halls)	319	-
10	H-10 (D Block)	128	350	
11	N.R.I	136	213	-
12	FGH (temporary arrangement)	26	84	-
13	Energy Centre (temporary arrangement)	13 Halls	94	-
14	New Teaching Block (temporary arrangement)	04 Halls	23	
Total	**11 Hostels & 3 Temporary arrangement**	**1848 Rooms, 23 Halls & 2 Quarters**	**3262**	**902**

7.3 ROLTA INNOVATION & INCUBATION CENTRE

Objectives of Incubation Centre

The Incubation Centre, consists of eight functional cells such as, Product Development cell, NANO Satellite Project Cell, Industry Institute Interaction Cell, Vision Cell, Web Design Cell, IPR cell, Entrepreneur Development Cell and TIDE Cell. The objectives of these cells are as follows:

The objective of product development cell is to facilitate the infrastructure required for the development of innovative products and processes by students of undergraduate and postgraduate courses of MANIT. Faculties of the institute, guide the students in technical areas in giving a shape to their conceptual ideas. At present, the institute finances their attempts to develop new innovative products. Under this scheme, eight projects have been sanctioned out of 15 applicants in the month of November 2014. Students from four projects participated in competitions held in various parts of India and got satisfactory results. Four more projects are of research type and are still under process. Some more projects in this year 2016, to the deserving applicants are sanctioned.

The second cell has an objective of designing and development of **NANO satellite** in technical collaboration with ISRO, Bangalore. This project was started in the year 2012 and picked up momentum after the incubation centre was started in MANIT. They have completed the design part of the project and are making efforts to complete development of prototype as soon as possible.

The Industry-Institute Interaction (I.I.I) cell has objectives of organizing, continuing education programmes for the benefit of working professionals in the industry that help them in enriching their knowledge base and in turn further improving their skills, providing training facilities and inculcating expertise in critical areas and starting web based courses for promoting industry-institute interaction in a meaningful way. The institute has signed memorandum of understanding with Applied Materials Company and they are in the process of establishing a laboratory in the incubation centre. The company aims to give projects to the students and to provide guidance to them in completing the projects. In addition to this, I.I.I cell involves experienced industry personnel in academic activities, such as design of course curriculum, delivering expert lectures and to take part in workshops and conferences.

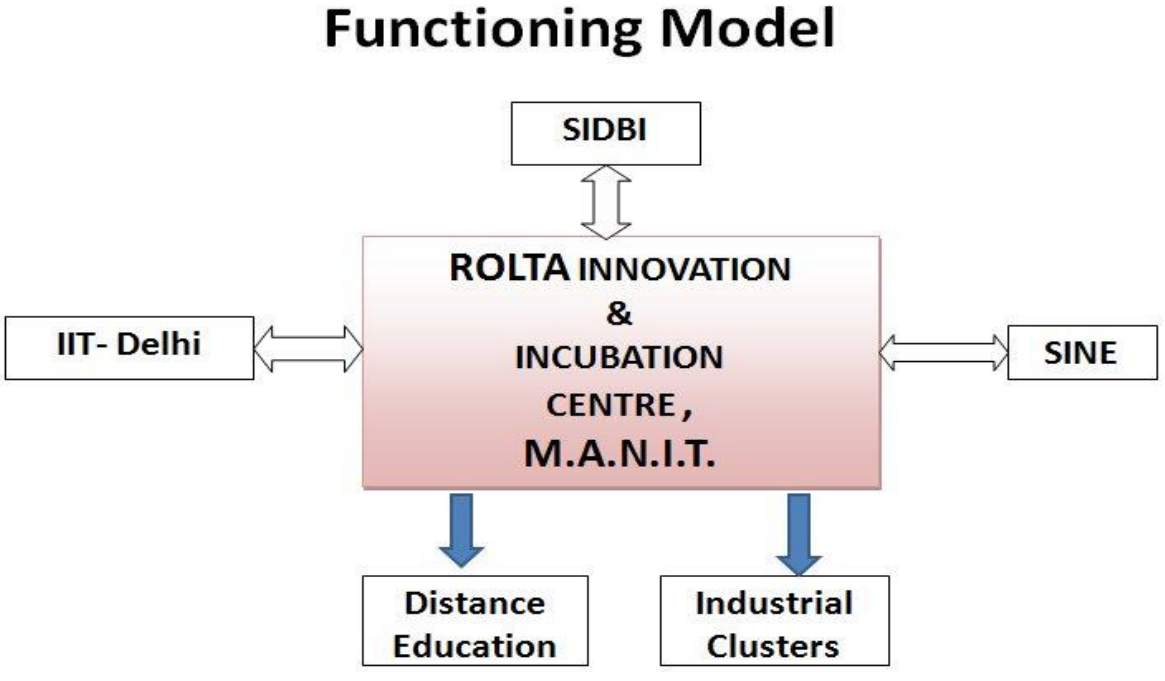
Web Development and Internet Radio Club (WDIRC) has completed many activities in the last six months, such as, development of MANIT alumni website, preparation of videos of expert lectures and broadcasting through internet radio. They are now preparing web based data bank of MANIT. This cell provides a platform for MANIT students for acquiring and further enriching their designing and programming skills.

Entrepreneurship is the Process through which entrepreneurs create and grow enterprises. Entrepreneurship development is the need of the day as India has a great potential to develop as the "Global Innovation Hub" with its huge human resource and traditional knowledge. Encouraging entrepreneurs, lead to the development of innovative/new products and in turn address the problem of unemployment as today's need is to create jobs for qualified people. Entrepreneur not only becomes self dependent but also provides employment to many others. To start with, they need human, financial and physical infrastructure and supportive climate. In order to provide this, Incubation centre of MANIT started a cell for prospective entrepreneurs. The Entrepreneur Development cell organizes workshops, STTPs and conferences in order to train the students, research scholars and industry personnel in establishing a firm of their own and develop into an entrepreneur. This cell organized an STTP during 27th January 2015 to 7th February 2015 on "FDP on Entrepreneurship".

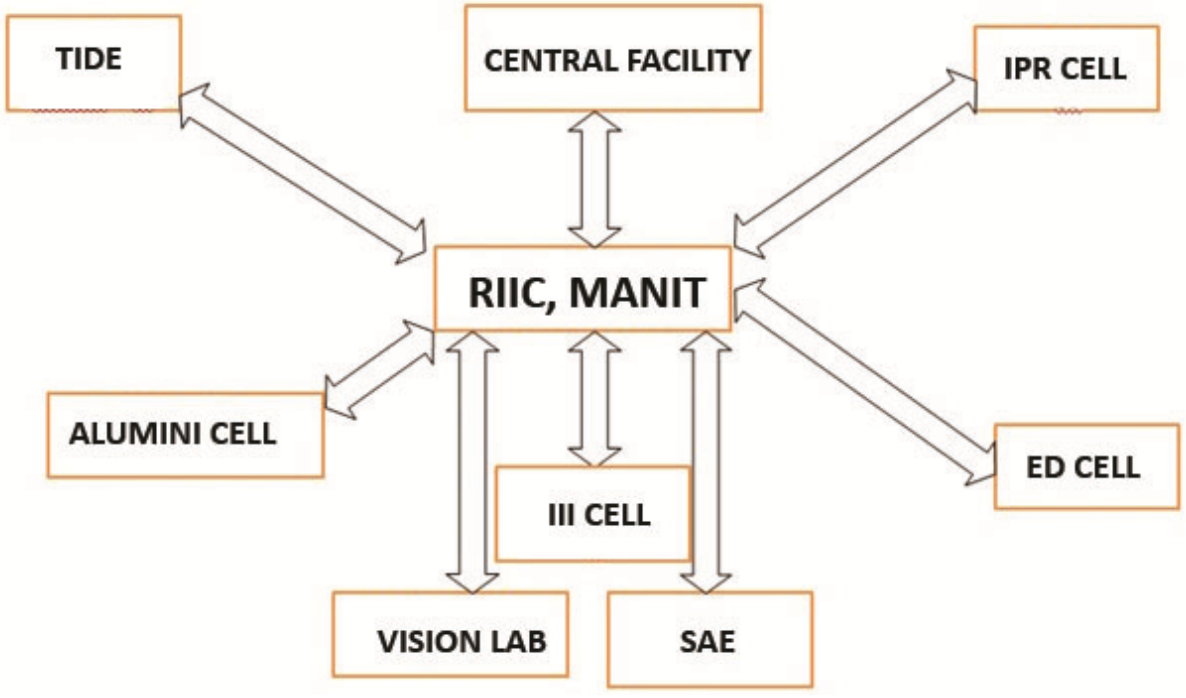
The TIDE's objective is to assess the potential of new entrepreneurs and to provide start ups with mentoring and technical support, provision of workspace with initial seed support.

Faculty from various departments involved in MRIC

- Chairperson: Dr.Saroj Rangnekar, Professor, Energy Centre
- Secretary: Dr.C.M.Krishna, Asso. Prof, Mechanical Engg. Deptt.
- Cell Coordinators:
    - Dr. Shailendra Jain, Prof. Electrical Engg. Deptt.
    - Dr. Deepak Tomar, Asst. Prof. Computer Sc.Deptt.
    - Dr. Vineeta Mohindra, Asso. Prof. HSS Deptt.
    - Dr.V.K.Soni, Asst. Prof., Mechanical Engg. Deptt.
    - Dr.M.K.Pradhan, Asst.Prof., Mechanical Engg.
    - Dr.Arvind Kumar, Asst. Prof. Mechanical Engg.



Architecture of RIIC, MANIT



7.4 GAMES & SPORTS

EXTRAMURAL ACTIVITIES

Physical Education & Sports Activities 2015-16 included mass practice in Indoor and Outdoor Events (Table Tennis, Chess, Carrom, Football, Volleyball, Cricket, Basketball, Cross country Kabaddi) followed by teaching & coaching skills of various games, team practice and selection for Inter NITs, inter University and Local Tournaments in various games and sports. Special classes followed by matches were conducted for first year students to participate in forth coming intramural and extramural competitions.

Detailed information about the participation and acievement in various outdoor and indoor activities during 2015-16:

Extramural Events 2015 – 2016

S. No.	Name of the Teams (Institutes) Participated	Organized Institution	Position
1.	MANIT Basket Ball (Boys & Girls) chess, Badminton (Boys & Girls)	NIT, Surat	Basket Ball Girls Winner Boys (Quarter finalist)
2.	MANIT Cricket	NIT, Allahabad	Semi Finalist
3.	MANIT Table-Tennis (Boys & Girls)	NIT, Bhopal	Girls Winner Boys (Semi Finalist)
4.	MANIT Football team	NIT, Warangal	3rd Position
5.	MANIT Students Participated in T.T. Badminton (Boys & Girls) Volley Ball, Cricket	IIIT, Jabalpur Inter Engg. Tournament	Winner in Volley Ball Badminton & Table-Tennis (Boys & Girls)
6.	MANIT Basket Ball (Boys & Girls)	IES Institute, Bhopal Open Tournament	Winner (Boy & Girls)
7.	MANIT Volley Ball (Boys & Girls)	LNCT, Bhopal	Girls Volley Ball Winner

INTRAMURAL SPORTS ACTIVIES

Physical Education and Sports Department concentrated on intramural events, starting from the month of August 2015 in Inter Hostel & Inter Branch, (Boys & Girls) events of Table Tennis, Chess, Carrom, Football, & Volleyball, Cricket, Basketball, Cross country Kabaddi. Besides these activities the first year students were

motivated to participate in Inter Hostel, Inter Branch, Inter NIT tournaments by giving special practice sessions by experts. In addition to this, Open cross country race for students (UG and PG), faculty v/s staff cricket tournaments were conducted twice a year in 2015-16 session.

ACHIEVEMENTS

(i) MANIT was winner in Table-Tennis and Chess in All India Inter NIT Tournament Organised by NIT, Silchar.

(ii) MANIT Football Team had 3rd Position in All India Inter NIT Tournament Organised by NIT, Raurkela.

(iii) MANIT students' team was a winner in Cricket, Kabaddi, Football in Inter Engineering Institution annual sports event **"SPORTOMANIA"** 2015-16 Organised by MANIT, Bhopal.

(iv) MANIT students team was a runners-up in Table-Tennis in Inter Engineering Institution annual sports **"SPORTOMANIA"** 2015-16 Organised by MANIT, Bhopal.

7.5 INSTITUTE ACTIVITIES

CULTURAL EVENTS OF MANIT

MAJOR COLLEGE EVENTS :

Ripple: 31 Jan- 01 Feb 2015

It is the Annual Literary Fest of the institute conducted by the Literary Society Drishtant with the theme of a Carnival Fete this year. Competitions on the first day included 10 carnival games with literary elements like Dart Wars, House of Rings, Spell Bee etc, as well as a Creative Writing and Moot Court. The second day, called in the highest scorers from the previous day's events to compete in a Courtroom to solve a carnival mystery, a post scandal Press Conference Session where participants were assigned roles of political personalities, whose statements were turned into scandalous headlines justifying themselves and their statements. A puppet show was put up to present the unseen problems in society like hypocrisy, adapting the loudest speakers opinion etc. In all, the event saw participations of students from many colleges of Bhopal. The participants got a chance to display their intellect, opinions and oratory skills through this platform. This was a knowledge sharing experience and a platform for free minded individuals to discuss issues that concern the country.

Maffick:

It is the annual social and cultural festival of MANIT .It is a 3-days event held usually in the second week of March every year and is attended by thousands of students from different colleges across India. It is very popular because of the wide variety of cultural events (music and dance shows), celebrities and competitions it hosts.

This year's theme was Revival of Lost Arts. It saw the institute flooded with graffiti of popular music bands and artists of the 90s and hosted a crowd of thousands of students. The festival also promoted sustainable energy by its venture to invite the entire college to unite and save electricity while watching the India v/s Pakistan match on the college ground. Along with this, Maffick hosted an EDM night and a musical evening by Gajendra Verma.

Investiture Ceremony:

Maulana Azad National Institute of Technology held the Oath Taking Ceremony of Students's Council in July 2016 Hon. Shri Sri Rajendra Kumar, IPS DG Cyber Crime, graced the occasion as the Chief Guest alongwith the Director, Deans, faculties and students.

Alumni Meet: Foundation Day

The meet invited alumni to interact with each other and the students of the institute. The alumni attendees spoke about the strong alumni network and how it has always helped each other in the professional world as well as their experiences in the institute. The alumni have proposed infrastructure improvements like availability of high speed internet, aid to budding entrepreneurs etc.

Tooryanaad:

Tooryanaad is organised every year during the Hindi Week at the Institute. It promotes Hindi culture in the institute and the event has a national presence. This year it showcased a play by Sri Manoj Joshi's group on his role as Chanakya, he is a leading dramatist and actor. The events in Tooryanaad include "ChatraSaansad", Khichdi- a unique event that promotes interaction with students from southern states and living abroad, Paridhanika- the ethnic fashion walk etc.

Major student associations

Drishtant

'**Drishtant**' is the literary society of MANIT, Bhopal. Since its very inception in 1997, Drishtant has been aiming at improving the overall literary persona of students. The very mission of Drishtant has been manifold. Transforming students from shy and diffident PCM nerds to loquacious entrepreneurs and engineers of tomorrow, 'D' has always been inculcating effective communication skills in students. All in all Drishtant endeavours toward building one's self-confidence, polishing the literary side and grooming one's overall personality.

1. Weekly events

Every Sunday, Drishtant invites all students to its weekly events. This year's weekly events included 'RendezVous' and 'Expecto Patronum'. Both these events aimed at providing opportunities to the new batch of students to interact with each other and their seniors for sharing knowledge and experience. They had simple events like literary quizzes, idiom charades, writing and speaking tasks. As a tradition, Dishtant ended all its weekly events with Group Discussion where participants were guided thoroughly through its rules and judges gave every participant a feedback on their performance and pointers to improve in future.

2. Illuminati

Is another flagship event conducted in the Techfest of the institute, this year saw its 5th edition, themed at a 50 year old murder mystery solved through a series of literary puzzles, case studies and moot court.

Entrepreneurship Development Cell

ED cell of the college has grown in performance and impact at a great pace over the past two years. From its journey to be awarded as the Most Promising ED Cell in National entrepreneurship Challenge at E Summit, IIT Bombay, 2016 to the way it is actually helping budding startups through the college incubation centre.

1. NEC, E-summit, IIT Bombay: Awarded the most promising team in the 4 month long competition consisting of 40 competitions. Group discussions on strategies for the growth of a start up and a presentation on the journey and future plans of the cell.
2. Business Quiz and IPL auction: Along with an orientation about what the cell does and could do, they held a business quiz on the various products, business icons and brands.The IPL auction was a virtual auction-bidding on cricketers and making the winning IPL team.
3. Idea: A typical start up convention, the first of its kind in Bhopal inviting start ideas to be pitched to a group of virtual investors targeted at encouraging the start up culture and increase networking.

THE WORK REPORT:

This includes the efforts put in by the various societies of the institute to enhance the college cultural profile

(year 2015-2016).

ROOBAROO (the cultural society) :

Roobaroo was initially set up to establish a very stable yet enriching cultural atmosphere within the campus which now has grown upto Interuniversities levels. It provides platform to all the budding talents in the field of dancing, singing , drama, poetry recital, instrumental music, bands etc.

RASHTRAAY (the street play society) :

Engendering exorbitant high spirits and awareness is of paramount importance to the society. Rashtraay, the official street play society of MANIT, intends to encourage the same in the college students to develop a broader vision and a concerned outlook towards the nation to proliferate its ideology, it brings into play a category of dramatics, street play etc. It performs street plays on social issues in cultural festivals of several colleges in India especially in IITs and NITs. Enriched with the vision of some far sighted students, the family has now extended to around 50 working members who are working diligently to bring about revolutionary change in the society.

SPIC MACAY

SPIC MACAY, viz the "Society for the Promotion of Indian Classical Music and Culture Amongst Youth", is a voluntary youth organization working for the promotion and progress of Indian Tradition, Music and Arts in the world. Its main aim is to make the Indian Youth aware of the importance of our culture and inculcate our tradition in them. The MANIT wing not only serves its motive by conducting the various programs under this banner but also initiates the value of volunteerism by channelizing the efforts of almost 100 volunteers from the institute itself.

The activities include :

1. Lecture demonstration
2. Conventions – State, National, International
3. Gurukul anubhav scholarship
4. Concerts – evening and overnight
5. Heritage walks

राजभाषा कार्यान्वयन समिति, मैनिट

संविधान के अनुच्छेद 343(1) में देवनागरी लिपि में हिंदी को संघ की राजभाषा घोषित किया गया। राजकीय प्रयोजनों के लिए हिंदी के प्रयोग में हुई प्रगति का पुनर्विलोकन करने के लिए राजभाषा समिति का गठन राजभाषा अधिनियम, 1963 की धारा 4 के तहत वर्ष 1963 में किया गया।

मौलाना आज़ाद राष्ट्रीय प्रौद्योगिकी संस्थान, भोपाल में इस समिति की संयोजिका, डॉ. सविता दीक्षित सन् 1998 से हिंदी के प्रचार-प्रसार हेतु कार्यरत हैं।

विशेष उपलब्धियां :

- कुछ वर्षों पूर्व जहाँ छात्र हिंदी बोलने में झिझक महसूस करते थे, वहीं आज अधिकांश छात्र गर्व के साथ हिंदी का प्रयोग करते हैं। इस शर्म की भावना का गर्व की भावना में बदलना समिति की सफलता है।
- संस्थान के सभी नाम पट्ट, रबड़ मुहरें, वार्षिक रिपोर्ट आदि द्विभाषी बनाए गए।
- संस्थान की वेबसाइट राजभाषा में।
- 2013 में पोर्टब्लेअर में राजभाषा कार्यान्वयन प्रशिक्षण संस्थान द्वारा हिंदी में सर्वोत्कृष्ट कार्य हेतु डॉ. सविता दीक्षित को प्रतीक चिह्न प्रदान किया गया।
- डॉ. सविता दीक्षित, संयोजिका, राजभाषा कार्यान्वयन समिति को सन् 2012 हिंदी में उत्कृष्ट कार्य हेतु गुवाहाटी में **राजभाषा रत्न** पुरस्कार प्राप्त हुआ।
- केंद्रीय संस्कृति मंत्रालय, राजभाषा विभाग ने सराहना की। इस हेतु मंत्रालय के राजभाषा विभाग के प्रमुख सचिव श्री **वेद प्रकाश गौर** जी संस्थान आकर टीम से भी मिले।
- संस्थान के **शैक्षणिक एवं गैर शैक्षणिक स्टाफ** के लिए विभिन्न प्रतियोगिताओं का आयोजन। जैसे –
    - नोटिंग एवं ड्राफ्टिंग

- टंकण
- निबंध लेखन
- तात्कालिक भाषण

PURGE

Purge is an initiative by the students of Maulana Azad National Institute of Technology, Bhopal which aims at the reduction of polythene usage in the country. It stands for Polythene Usage Reduction for Greener Environment. The idea is to connect various colleges in the country with the campaign in order to meet the goal. We also aim at developing a model which would suggest better recycling and reuse of plastics. The team has started the work of reduction of polythene and better disposal in the college campus. We have divided our team into various subsystems so that all the aspects of saving our environment from the negative effects of polythene are equally looked into. Also, Purge aims at implementing 'Swachh Bharat Abhiyaan' started by the honourable Prime Minister of India. We look forward to adopt any measures possible to bring changes in the current system.
We have already organised various events to promote our cause in MANIT and Bhopal. Currently, we are reaching out other colleges in the country to form wings of PURGE in their colleges. We have also launched a Student Leadership Program (SLP) for students of other colleges to act as ambassadors of our organisation in their college.

Cleaning Event at MANIT Campus

7.6 MEMORANDUM OF UNDERSTANDING OF MANIT

S.No.	MOU Between	Aim	Duration
Department of Civil Engineering			
1	Institute of Urban Transport, Ministry of Urban Development .	----------	----------
2	Space Application Centre , ISRO Ahmedabad	----------	----------
Department of Chemical Engineering			
3	MANIT and Oil and Natural Gas Corporation Limited	----------	----------
4	Yohana paints Pvt. Ltd. Mandideep,Bhopal	----------	----------
Department of Electronics & Communication Engineering			
5	ESIEE Paris, France	To enhance research and academic association between ECE Department MANIT and ESIIC Paris	**2016**
Department of Energy			
6	Indian association of Hydrogen Energy & Advance Material (IAHEAM, University of Kerala)		
Department of Mechanical Engineering			
7	National Horticulture Board , Ministry of Agriculture, Govt. of India		August 2011 (Continuing)
Department of Architecture and Planning			
8	Ministry ofHousing and Urban Poverty Alleviation (MHUPA)	Facilitate of preparation and adoption of layout design, identifying norms for EWS/LG housing, advising & training States/UT officials showcasing latest technologies etc.	In Final stage
MANIT			
9	Samsung India Electronics Pvt. Ltd. For “Samsung Star Scholars”	To give scholarship to the students of Jawahar Navodaya Vidyalaya with outstanding academic excellence enrolling in MANIT for B.Tech courses	In Final stage

8.0 INDUSTRIAL COLLABORATION/ CONSULTANCY

The details of the Industrial Collaboration/ Consultancy Projects of the faculty members of various departments for the year 2015-16 are as follows:

8.1 TESTING & CONSULTANCY PROJECTS:

S.No.	Name of the Project	Project Investigator(s)	Funding agency
	Department of Civil Engineering		
1	Advisor	Dr. N. Dindorker	M.P. Housing board
2	Advisor	Dr. N. Dindorker	M.P. Police housing corporation
3	Design checking of head office building, Bhopal	Dr. N. Dindorker	M.P. Rural engineering services
4	Structural stability assessment of the airport building	Dr. N. Dindorker	Bhopal airport
5	Checking designs of various water treatment and distribution systems	Dr. N. Dindorker	Jindal Aqua Source, New Delhi
6	Design of concrete mixes of various grades	Dr. S.K. Dubey	Various govt. and semi govt. deptt. such as CPWD, WRE etc.
7	Wetting of Multi-Village Water Supply Scheme Balaghat	Dr. V. Prasad Ruchi Khare V.K. Gahlot	Vitya Consultants, Hyderabad
8	Hydraulic design of intake well, raw water and clear water pumping main	Dr. V. Prasad Ruchi Khare V.K. Gahlot	JITF Water Infrastructures Ltd., Sehore
9	Vetting of Hydraulic Design of Water Augmentation Scheme	Dr. V. Prasad Ruchi Khare V.K. Gahlot	Nagar Palika Shahdol
10	Hydraulic Design and drawing of Clear Water Distribution Network for Panna Town	Dr. V. Prasad Ruchi Khare	ACE Construction, Bhopal
11	Water supply scheme of Hanumana district - Rewa	Dr. V. Prasad Ruchi Khare	CMO, Nagar Parishad, Hanumana District-Rewa (Mp)
12	Proof checking of design of Moren river bridge	Dr. M.S. Hora	E.E., PWD Bridge Division, Ambikapur (CG)
13	Proof checking of design of thrust bed of Box bridges BK-64, BK-73 and BK-79	Dr. M.S. Hora	M/s D.K. Chouhan, Jabalpur
14	Proof checking of design of Medo river bridge	Dr. M.S. Hora	E.E., PWD Bridge Division, Jagdalpur (CG)
15	Proof checking of design of 60 m PSC span of flyover at Sirmour chouraha in Rewa-MP	Dr. M.S. Hora	Chief Engineer, M.P.P.W.D., Bridge Division, Bhopal
16	Proof checking of design of OHT of capacity 1000 KL, Gwalior	Dr. M.S. Hora	Superintendent, Gwalior Municipal Corporation, Gwalior
17	Proof checking of design of wing and return walls of Bridge No. 902/1	Dr. M.S. Hora	Rail Vikas Nigam Limited, Bhopal

18	Proof checking of design & drawing of high level bridge across Marenga Nalla on Tongpal-Marenga road	Dr. M.S. Hora	E.E., PWD Bridge Division, Jagdalpur (CG)
19	Proof checking of design of PFB building for ECIL	Dr. M.S. Hora	M/s Skeleton Construction Pvt. Ltd. Noida UP
20	Proof checking of design & drawing of high level bridge across Jajal river on Chhindgarh road	Dr. M.S. Hora	E.E., PWD Bridge Division, Jagdalpur (CG)
21	Proof checking of design & drawing of staging for Narmada river bridge between Chhoti chhipaner and badi chhipaner	Dr. M.S. Hora	M.P.P.W.D., Bridge Construction Zone, Bhopal
22	Proof checking of revised design and drawings of high level bridge across Jhura Nalla on Baniatola to Magardhokhara road	Dr. M.S. Hora	E.E., PWD Bridge Division, Rajnandgaon (CG)
23	Proof checking of design and drawings of high level bridge across Shivnath river on Durg-Rajnandgaon road	Dr. M.S. Hora	E.E., PWD Bridge Division, Rajnandgaon (CG)
24	Proof checking of design and drawings of high level bridge across Moren river on Khond-Janakpur road	Dr. M.S. Hora	E.E., PWD Bridge Division, Rajnandgaon (CG)
25	Proof checking of design of OHT of capacity 2000 KL to be constructed at Gwalior	Dr. M.S. Hora	Superintendent, Gwalior Municipal Corporation, Gwalior
26	Proof checking of design and drawings of high level bridge across Lore Nalla	Dr. M.S. Hora	E.E., PWD Bridge Division, Amikapur (CG)
27	Proof checking of design and drawings of return/wing/face walls of 22 bridges	Dr. M.S. Hora	RVNL Bhopal
28	Proof checking of design and drawings of staging for narmada river on Awalighat	Dr. M.S. Hora	E.E., MPPWD, Bhopal
29	Proof checking of design and drawings of high level bridge across Teti river bridge	Dr. M.S. Hora	E.E., PWD Bridge Division, Bilaspur (CG)
30	Proof checking of design and drawings of high level bridge across Maini river	Dr. M.S. Hora	E.E., PWD Bridge Division, Amikapur (CG)
31	Proof checking of design and drawings of high level bridge across Kharkhopar Nalla	Dr. M.S. Hora	E.E., PWD Bridge Division, Amikapur (CG)
32	Proof checking of design and drawing of RCC toe wall between Sorai-Sanchi section	Dr. M.S. Hora	RVNL Bhopal

33	Proof checking of revised design and drawings of high level bridges (Chhokara Nalla, Daldalseoni Nalla, Kolhan Nalla, Sondur river on Maragaon & Sondur river bridge on Saraibahar	Dr. M.S. Hora	E.E., PWD Bridge Division, Raipur (CG)
34	Proof checking of design and drawings of RCC GSR (300 KL), RCC GSR (650 KL) and UGR cum pump house (275 KL) for Water Supply scheme, Distt. Datia (MP)	Dr. M.S. Hora	M/s Kalyan Toll Infrastructure Limited Indore –MP
35	Proof checking of design and drawings of Major bridge across Raipur-Bhasina road	Dr. M.S. Hora	M/s Barbrick Construction, Pvt. Ltd. Raipur-CG
36	Proof checking of design and drawings of Pile foundation of thickener of diameter 32 m	Dr. M.S. Hora	M/s Pacific Iron Manufacturing Limited KATNI –MP
37	Proof checking of design and drawings of 03 RCC OHT's (340 KL, 350 KL & 365 KL) GSR for Water Supply scheme, Manasa Distt. Neemuch (MP)	Dr. M.S. Hora	M/s Kalyan Toll Infrastructure Limited Indore –MP
38	Proof checking of revised design and drawings of additional floor of medical college hostel building at Jabalpur (MP)	Dr. M.S. Hora	M/s Skeleton Consultants Pvt. Ltd. Noida (UP)
39	Proof checking of design of RCC ESR's of capacity 300 KL, 650 KL and 450 KL for Manasa Neemuch Water Supply scheme, Distt. Datia (MP)	Dr. M.S. Hora	M/s Kalyan Toll Infrastructure Limited Indore –MP
40	Proof checking of design of Bridge at KM 26+047 on Nandghat-Bhatapara-Baloda Bazar (Jamuniya Nalla SH-10	Dr. M.S. Hora	Ms/ Agrawal Infrabuild Private Limited, Bilaspur (CG)
41	Proof checking of design and drawings of RCC GSR (600 KL) at Kamrar and, RCC MSR (700 KL) at Aroha Water Supply scheme, Distt. Datia (MP)	Dr. M.S. Hora	M/s Kalyan Toll Infrastructure Limited Indore –MP
42	Proof checking of design of pipe network system for water supply scheme for Nagar Nigam Parishad, Shehdol (MP)	Dr. M.S. Hora	M/s Concrete Udyog Limited, JV, SSSEL, Jhansi (UP)
43	Proof checking of design of pipe network system for water supply scheme for Nagar Nigam Parishad, Sidhi (MP)	Dr. M.S. Hora	M/s Concrete Udyog Limited, JV, SSSEL, Jhansi (UP)
44	Proof checking of design and drawings of RCC ESR (225 KL) at Da for Water Supply scheme, Distt. Datia	Dr. M.S. Hora	M/s Kalyan Toll Infrastructure Limited Indore –MP

	(MP)		
45	Proof checking of design & drawing of staging for a Budhni Railway Over Bridge	Dr. M.S. Hora	M.P.P.W.D., Bridge Construction Zone, Bhopal
46	Proof checking of design and drawings of GNM training centre and hostel building at Satna (5650 sq.m.)	Dr. M.S. Hora	Vibha Shrivastava and Associates, Bhopal
47	Proof checking of design of straight return/face/wing walls (total 17 Nos.) of 16 bridges under project of construction of third line between Bina and Bhopal section	Dr. M.S. Hora	Rail Vikas Nigam Limited, Bhopal
48	Proof checking of two spans (13.1 and 12.1 m) of Lalkhadan ROB across Howrah-Mumbai rail line on Bilaspur Raigarh road	Dr. M.S. Hora	E.E., PWD Bridge Division, Raipur (CG)
49	Proof checking of design and drawings of FOB of span 36.2 m at Katni south station under ADEN sub station	Dr. M.S. Hora	Shri Ram Sujan Gupta, Railway Contractor, Satna (MP)
50	Proof checking of design and drawings of bridge across Mandhan river	Dr. M.S. Hora	E.E. PHE Chhindwara
51	Proof checking of design and drawings of FOB at Manikpur station in connection with JBP-ALD railway electrification project	Dr. M.S. Hora	Shri Arvind Sharma Engineers and Contractors
52	Proof checking of design and drawings of LGFS structures for Dormitory, Guest House and Hospital building for GMR, Chamba	Dr. M.S. Hora	M/s Skeleton Consultants Pvt. Ltd. Noida UP
53	Proof checking of design of special structure to support OHE on Kanhan Bridge No. 930/1 for project of construction of third line between Bina and Bhopal section	Dr. M.S. Hora	Rail Vikas Nigam Limited, Bhopal
54	Proof checking of design and drawings of RCC ESR (570 KL) at Flura and RCC ESR (570 KL) st Udgawan for Water Supply scheme, Distt. Datia (MP)	Dr. M.S. Hora	M/s Kalyan Toll Infrastructure Limited Indore –MP
55	Proof checking of design and drawings of Intermediate Pumping Stattion (1 No.) Udgawan for Water Supply scheme, Distt. Datia (MP)	Dr. M.S. Hora	M/s Kalyan Toll Infrastructure Limited Indore –MP
56	Proof checking of design and drawings of roof truss of Amphitheatre at Army Public School,	Dr. M.S. Hora	Renown Construction and Consultants, Bhopal-MP

	Bhopal		
57	Proof checking of revised design of special structure to support OHE on Kanhan Bridge No. 930/1 for project of construction of third line between Bina and Bhopal section	Dr. M.S. Hora	Rail Vikas Nigam Limited, Bhopal
58	Proof checking of design and drawings of substructure of major bridges 44,71,88,139 and minor bridges (87 & 95) & two box bridges in connection with DHC-SRMTGC work (Phase I)	Dr. M.S. Hora	Tavan Infratech Arera Colony Bhopal
59	Proof checking of design and drawings of two major bridges of span 18.3 m	Dr. M.S. Hora	Madhav Infraprojects Limited, Vadodhara
60	Proof checking of design and drawings of reservoir of capacity 1.6 MG at Jail Road, BHEL Bhopal	Dr. M.S. Hora	Renown Construction and Consultants, Bhopal-MP
61	Proof checking of design of PCC return/wing walls of 08 bridges (Total 10 Nos.)	Dr. M.S. Hora	Rail Vikas Nigam Limited, Bhopal
62	Proof checking of design and drawing of proposed construction of ROB (open web steel girder) in lieu of existing ROB (Br. No. 834/2) at railway Km 834/25-27 between Bhopal Habibganj station at Bhopal-Construction of third line between Bina-Bhopal	Dr. M.S. Hora	Rail Vikas Nigam Limited, Bhopal
63	Proof checking of design and drawings of Bracing between columns of approach bridge-Udgawann WSS, Datia(MP)	Dr. M.S. Hora	M/s Kalyan Toll Infrastructure Limited Indore –MP
64	Proof checking of design and drawings of twin cell RCC box and retaining wall.	Dr. M.S. Hora	Hi-Tech organization Kota
65	Proof checking of design and drawings of RCC reservoir for Indraprastha Phase-II, Raipur Development Authority, Raipur(CG)	Dr. M.S. Hora	P.S. Patankar and Associates, Nagpur (MS)
66	Proof checking of design and drawings of intake well cum pump house and approach bridge at Kareli for Udgawan WSS, Datia(MP)	Dr. M.S. Hora	M/s Kalyan Toll Infrastructure Limited Indore –MP
67	Design and drawing verification of raw water supply (pumping) and clear water supply (pumping) for water supply scheme of Nagar Palika Parishad, Sidhi (MP)	Dr. M.S. Hora	Mukhya Nagar Palika Adhikari, Nagar Palika Parishad, Sidhi (MP)

68	Proof checking of design and drawing of box bridges	Dr. M.S. Hora	M/s Om Prakash
69	Proof checking of design of residential slum building (G+3) at Kalpana Nagar Bhopal under RAY	Dr. M.S. Hora	M/s Shivnath Builder and Architects, 5-I, Punjabhi Bagh, Bhopal-462023
70	Proof checking of design of second floor (LGFS) of college building of Mankuwar Bai College Jabalpur	Dr. M.S. Hora	Nipani Industries, Jabalpur
71	Proof checking of design and drawings of RCC OHT of capacity 80 KL (12 m staging height) for Pokharda Cluster Manasa Block under Gangabadi Multi Villages water supply scheme at Manasa, District Neemuch (MP)	Dr. M.S. Hora	M/s Kalyan Toll Infrastructure Limited Indore –MP
72	Proof checking of design and drawings of RCC OHT of capacity 15 KL (08 m staging height) for village Kannamtalai –Punjapura Dewas Cluster under Punjapura Multi Villages water supply scheme District Dewas (MP)	Dr. M.S. Hora	M/s Kalyan Toll Infrastructure Limited Indore –MP
73	Consultancy work for Inspection and testing of 15 Nos Aqueduet on Canals of Tawa Project for asceratin the strength and life of structure and remedial measure for the rehabilitations of the Aqueduets.	Dr. P.K. Jain	WRD Tawa Project Itarsi (Valka Care & Services Pvt. Ltd.)
74	Design & Drawing stop dam at Utavli river	Dr. P.K. Jain	Nagar Parishad Boda Distt. Rajghar
75	Design of Lakhnadone-Ghansore Project seoni.	Dr. P.K. Jain	Telecommunications Consultants India Ltd. Bhopal
76	Curst Design (re design)	Dr. P.K. Jain	PWD, Div. Bhind
77	Construction of Walk way & Cycle Track near Khanogaon under Lake Frount Development Project.	Dr. P.K. Jain	Nagar Nigam Bhopal
78	SPT for the site of working women hostel building at jawahar bal bhawan tulsi nagar bhopal	Dr. P.K. Jain	MPH & IDBBhopal Circil -1
79	Soil test SPT test for given bore hole loaction +testing of samples of that bore + submission of report	Dr. P.K. Jain	Mr. Devendra Jain E-1-101 Arera Colony Bpl.
80	Crust design B.T. Road of CM Project.	Dr. P.K. Jain	Office Nagar Parishad Athnar Distt. Betul.
81	Stracturl Stability test Reg.	Dr. P.K. Jain	Ordinance Factory, Itarsi
82	Soil bearing capacity at affordble	Dr. P.K. Jain	MPHIDB Bhopal Div. 2

	scheme 6.67 acr land at baraghar chichli kolar road		
83	Soil investigation flour mill at mandideep	Dr. P.K. Jain	Shubhan Industries New Industrial area-II mandideep
84	No objection certificate 3 nos godowan damage kirshi uppaj mandi nasrullahgunj.	Dr. P.K. Jain	Kirshi Uppaj Mandi Samiti Nasrullahgunj Deistt. Sehore
85	OMC,MDD CBR 2 sample	Dr. P.K. Jain	MPRRDA, PIU-1 Raisen
86	Soil Testing OMC, MDD 2 sample	Dr. P.K. Jain	K Kruti Const. Desing Const. Vile Parle Mumbai
87	Utilizing laboratory facilityes of MANIT, Bhopal for BE Civil Branch students of UIT Barkatullah University Bhopal as Consultancy basis.	Dr. P.K. Jain	University Instyutute of Technology Bhopal (Barkatullah Univeristy Bhopal)
88	07 NO. SamplesTesting of Civil Engg. materials viz. Testing of soil samples for township package of NTPC Gadwrara super thermal power project.(LL/PL, Gradation, Organic matter OMC/MDD	Dr. P.K. Jain	NTPC, Ltd. Gadarwara
89	OMC,MDD CBR 2 Sample	Dr. P.K. Jain	MPRRDA PIU-2 PWD Ashoknagar
90	Consultancy for design of High bank side slopes (CH:765.100 to 765.700)	Dr. P.K. Jain	RVNL, Bhopal
91	10 No. Soil Sample Gradation OMC?MDD LL/PL Organic matter etc.	Dr. P.K. Jain	NTPC, Ltd. Gadarwara (JMC Project (India) Ltd.
92	Testing of civil engineering materials Grain size Analysis & Suitability of soil 10 No. sample	Dr. P.K. Jain	NTPC Gadarwara (Subhash Infra engineers Pvt. Ltd.)
93	OMC,MDD CBR, 9 Samples	Dr. P.K. Jain	MPRRDA PIU, Panna
94	OMC/MDD, CBR, 8 No. Sample	Dr. P.K. Jain	MPRRDA, Betul PIU-2
95	Staff Qtr. Structure Strength chacking Mark-fed at Subhas Nagar	Dr. P.K. Jain	M. P. State Co-operative Marketing Federation Ltd.Bhopal
96	Regarding sampling of sand for ash Dyke package. 2 sample	Dr. P.K. Jain	NTPC, Khargone (R.K. Transport)
97	Soil ample 20 mo. & Moorum ample 2 no.	Dr. P.K. Jain	NTPC Gadarwara (subhash Infra Pvt. Ltd.)
98	20 years old sopping complex Inspection	Dr. P.K. Jain	Nagar Palikaparishad Seoni Malwa, Distt Hoshangabad
99	Sardar Sarovar Project-Fake Saledeed & Rehabilitation Sites Enquiry Commission, Indore (MP).	Dr. Mukul Kulshreshtha	Evaluation of quality of Rehabilitation sites of Sardar Sarovar Project (SSP), MP
100	M/s. Flovel Energy Pvt. Ltd., Faridabad	Dr. Mukul Kulshreshtha Dr Tripta Thakur & Dr Shailendra Jain	Technical Opinion on Balsio Hydro Electric Project (2 x 2500 kW + 20% COL)
101	Traffic Study of Bhopal for Collector	Dr. P.K. Agrawal Dr Sidhartha Rokade	Office of the Collector & Dist. Magistrate Bhopal

		Dr. Anuj Jaiswal	
102	Design of M40 concrete	Dr. P.K. Agrawal	PWD Silwani (M.P.)
103	Design of M40 concrete using admixture	Dr. P.K. Agrawal	PWD Silwani (M.P.)
104	Mechanical Properties Evaluation of Tower Parts of 765 KV Transmission Line.	Dr. Raman Nateriya Dr. Rajesh Purohit Dr. R. S. Rana	Power Grid Corporation India Ltd. Shujalpur
105	Testing of M. S. 20 liters drum as per CQA (M) / GENL, paint and varnishes (7th Revision)	Dr. Raman Nateriya Dr. S. L. Pal	M/s The SQAO, Sr. Quality Assurance Estt. (GS) DGQA Complex, Napier Road, Cantt Kanpur
106	Consultancy of M. S. 20 liters drum as per CQA (M) / GENL, paint and varnishes (7th Revision)	Dr. Raman Nateriya Dr. S. L. Pal	M/s The SQAO, Sr. Quality Assurance Estt. (GS) DGQA Complex, Napier Road, Cantt Kanpur
107	Mechanical Property Analysis of used and fresh Moose Conductors of 400 KV DC Transmission Line.	Dr. Raman Nateriya Dr. Rajesh Purohit	Power Grid Corporation India Ltd., Jabalpur
108	Testing of M. S. 20 liters drum as per CQA (M) / GENL, paint and varnishes (7th Revision)	Dr. Raman Nateriya Dr. S. L. Pal	M/s The SQAO, Sr. Quality Assurance Estt. (GS) DGQA Complex, Napier Road, Cantt Kanpur
109	Consultancy of M. S. 20 liters drum as per CQA (M) / GENL, paint and varnishes (7th Revision)	Dr. Raman Nateriya Dr. S. L. Pal	M/s The SQAO, Sr. Quality Assurance Estt. (GS) DGQA Complex, Napier Road, Cantt Kanpur
110	Design and Drawing of Sump Well for Crossing Khirkiya Canal at KM 641/7-9 between Khirkiya and Kurawan Stations.	Dr. Raman Nateriya Dr. N. Dindorkar	Mr. A. K. Gupta, Executive Engineer, Water Resources Division, Harda
111	Soil Investigation Work at JBP airport	Dr. Rakesh Kumar	Airport Authority Jabalpur
112	Geotechnical Investigation of Bore Hole Samples of Dhobipura Pump House	Dr. Rakesh Kumar	L& T Project Manager Mohanpura LIS Project, Rajgarh, (M.P.)
113	Compaction Testing (FDD) of 3rd line formation in between MABA-KIKA-BINA section and Vidisha – Sorai Section	Dr. Rakesh Kumar	RVNL Bhopal
114	Testing of core samples said to be collected from Tawa Bridge Rajdohghat on Sarni Lonia road	Dr. Rakesh Kumar	PWD (Bridge Construction) Sub Division Betul
115	Soil Testing for Goghra Canal System	Dr. Rakesh Kumar	Water Resources Division, Sehore
116	Testing of Concrete Core Samples, Testing of PQC Cube and Testing of	Dr. Rakesh Kumar	Vaidhya Organization Infrastructure Development

	GSB material		Consultant 311, Indraprasth Tower, 6/1 M.G. Road, Indore (M.P.)
117	Testing of Soil for proposed power Plant Site at Navni Khidi Village, Sehore	Dr. Rakesh Kumar	Siddhartha Kapoor Infrastructure Private Limited 203, Ganga Jamuna Complex MP Nagar Zone-I Bhopal
118	Condition Assessment of Sanjay Gandhi Complex Market Building, at Seoni Malwa	Dr. Rakesh Kumar	Chief Municipal Officer Seoni Malwa, Dist. Hoshangabad (M.P.)
119	Checking of DPR of Lakhnadon-Ghansor BOT Road Project and Physical Verification of Works	Dr. Rakesh Kumar	Project Director TCIL Bhopal
120	Wetting of Multi-Village Water Supply Scheme Balaghat	Dr. Ruchi Khare Vishnu Prasad V.K. Gahlot	Vitya Consultants, Hyderabad
121	Hydraulic design of intake well, raw water and clear water pumping main	Dr. Ruchi Khare Vishnu Prasad V.K. Gahlot	JITF Water Infrastructures Ltd., Sehore
122	Vetting of Hydraulic Design of Water Augmentation Scheme for Nagar Palika Shahdol	Dr. Ruchi Khare Vishnu Prasad V.K. Gahlot	Nagar Palika Shahdol
123	Hydraulic Design and drawing of Clear Water Distribution Network for Panna Town	Dr. Ruchi Khare Vishnu Prasad	ACE Construction, Bhopal
124	Water supply scheme of hanumana district - rewa	Dr. Ruchi Khare Vishnu Prasad	Chief Municipal Officer Nagar Parishad, Hanumana District-Rewa (Mp)
125	Concrete Mix-design and Construction material testing	Dr. Vivek Garg	Government, Semi-Government and Private body
	Department of Electrical Engineering		
126	Interior, Electrical and Air conditioning of PDTC building.	Dr. R.K.Nema Dr. M.M.Malik	MPMKVVCL, Nishtha Parisar, Bhopal
127	Energy Audit of IGRMS, Bhopal	Dr. R.K.Nema Dr. S. Jain	Indira gandhi Rashtriya Manav Sangrahalaya, Bhopal
128	Breakdown and damage analysis of 1 MW Wind Generator EE/2015-16/SJ/674, Dt 09/03/2016	Dr. Shailendra Jain Dr. R.K.Nema Dr. S. Ahmed	The IFFCO TOKIO General Insurance Company Ltd., Bhopal
129	Technical Assessment of Deviation/variation of Electrical Work at AIIMS Bhopal (ICSC/Elect./2014-15/SJ/401 Dt. 20/08/14)	Dr. Shailendra Jain	AIIMS Bhopal
130	Preparation of projected electrical load table, Design and Development	Dr. Shailendra Jain Dr. R.K.Nema	SPA Bhopal (an autonomous institution of MHRD)

	of 33/0.433 kV Power Sub-Station and laying of power lines of Proposed SPA Campus at Bhouri (SPAB/IWD/2012/1675 Dt. 12.12.2012) (ICSC/2012-13/Elect./164 Dt. 22.01.2013)		Ongoing since Dec 2012
Department of Mechanical Engineering			
131	Fabrication of Al-Nano TiC Composites by ultrasonic assisted stir casting	Dr J L Bhagoria Dr. Rajesh Purohit & Dr. R. S. Rana	SATI, Vidisha
132	Fabrication of Al-B_4C Composites and optimization of milling parameters	Dr J L Bhagoria Dr. R. S. Rana & Dr. Rajesh Purohit	SATI, Vidisha
133	Garbage dust bins quality parameter inspection	Dr J L Bhagoria Dr P.K.Soni	Bhopal Municipal Corporation, Bhopal (MP)
134	implementation of Technical standards of cold chain infrastructure development of cold chain	Dr J L Bhagoria Dr P.K.Soni	National Horticulture Board Ministry of Agriculture Govt of India
135	Testing of absorber plates (V-rib for different pitch)	Dr J L Bhagoria Dr. Atul Lanjewar	RKDF Institute of Science and Technology
Department of Architecture & Planning			
	Vastu Consulting	Dr. Anupama Sharma	Dental Clinic
136	Assessing the Impacts of Climate Change on Urban Sector in Madhya Pradesh	Dr. Yogesh Garg	Development Alternatives New Delhi
137	Report: Climate Change Impact Assessment Paper for Urban Sector in Madhya Pradesh	Dr. Vinay Mohan Das Dr. Manmohan Kapshe Dr. Yogesh Garg Dr. Navneet Munoth	Development Alternatives, New Delhi
138	Architectural Consulting	Dr. Preeti Omkar	MPCST
139	Architectural Consulting	Dr. Preeti Omkar	MPCST
140	Architectural Consulting	Dr. Preeti Omkar Dr. Ashutosh Sharma	Department of Health and Education
141	Junction Improvement Plan of Bhopal	Dr. Anuj Jaiswal	MANIT
Department of Energy Studies			
142	Preparation of Detailed Project Report of 70 MW Solar Power Plant at Ghutari,Kolaras ,Shivpuri Dt,Madhya Pradesh by	K. Sudhakar	NHDC

Department of Biological Sciences			
143	Developing Anti IR paint for defence purpose	Dr Bharat Modhera	Yohana Paints
Department of Electronics and Communication			
144	Technical inspection of e-challan system	Dr. R. K. Baghel	Traffic police Bhopal
145	Boom barrier Installation	Dr. R. K. Baghel	Nagar Nigam Bhopal Parking zone
Department of MSME			
146	Microstructural Analysis of steel grades selected for Magnetic Applications	Dr. C.Sasikumar	M/S Inder Engineering, Bhopal
147	Analysis of steel, Aluminium and Glass sheets used for Interior building works	Dr. C.Sasikumar Mr. Prashant Tadge	MPCST, Bhopal
148	Microvickers Hardness Analysis of Magnetic grade Steel	Dr. C.Sasikumar Mr. Ajay Kumar Choubey	M/S Inder Engineering, Bhopal
149	Evaluation of Tensile Properties of TMT Bars used for Reinforcing Applications	Dr. C.Sasikumar Mr. Prashant Tadge	M/S Sheetal Nath Builders
Department of Physics and Nano Science & Engineering Centre			
150	Fire Fighting and Interior Design of PTDC Building	Prof. M. M. Malik, Prof. K. K. Dhote & Prof. R. K. Nema	MPMKVVCL Bhopal Amount Rs. 8.35 **lacs**

8.2 PATENTS:-

As per the records available following are the details of Patents by Institute faculty members.

S.No	Name of faculty member (s)	Name of Patent	Status
1	Dr Aditya Goel Deptt. of Electronics & Communication	Method for designing DFF for WDM Optical Transmission system	2836/MUM Filed in July 2015
2	K.Sudhakar Department of Energy Studies	Indian Patent "Self-sustained smart greenhouse"	Patent no.2945/MUM/2015) Issue No. 35/2014 Page no. 27 Published on 04/09/2015,International classification:C12M1/00
3	Dr. Vilas Warudkar Department of Mechanical Engineering	An adjustable steering ratio gearbox	4625/MUM/2015 08/12/2015