



Annual Report 2017-2018



Baddi University of Emerging Sciences & Technology
Baddi, Himachal Pradesh-173205

ANNUAL REPORT

2017-2018



BADDI UNIVERSITY OF EMERGING SCIENCES AND TECHNOLOGY
July 2017-June 2018

CHAIRMAN's MESSAGE

Resilience in the face of the headwinds...

Baddi University of Emerging Sciences and Technology is a university that celebrates creativity, innovation, design, and social research. The business of running a university can be a challenging one, but Baddi University is approaching its future strategically and from a student-centered perspective. The university is looking at the best new ways to promote lifetime learning in this region, including undergraduate and graduate degree programs, professional and continuing education, and a wide-ranging mix of public programming. For myself and my fellow trustees, it is important that Baddi University maintains a strong financial position so that these programs can be accessible to the most talented students, regardless of their individual financial backgrounds.



As chairman, I have had the opportunity to meet stimulating and accomplished faculty, dedicated staff, and creative and passionate students. These students are receiving a strong liberal arts educational foundation, as well as the skills and perspective they need for the emerging creative economy.

Baddi University's alumni will have much to contribute to the world around them. I look forward to seeing their accomplishments and seeing how their achievements improve the lives of others.

I congratulate all BUEST members, leadership team, and other staff members for making this year a happening one, that reflects through this Annual Report, I look forward to Baddi University's continued progress in the future annual report.

Shri Ram Prasad Agarwala

CHANCELLOR'S MESSAGE

2017 was a year of celebration as we completed 16 years of achievement and success. Baddi University of Emerging Sciences & Technology (BUEST) continued its commitment to equity, great teaching and learning, to bring forth future-ready professionals, innovators and entrepreneurs, together with leading edge research and innovation which will enhance the economic and social wellbeing of the communities we serve.

With an element of uncertainty facing the higher education sector, it is important for BUEST to continue to build on the strong foundation of the last 16 years, while driving a bold and inspiring future for our regions and beyond.

BUEST members and the executive team have worked together to prepare a strong strategic plan, and under the Vice-Chancellor's leadership, the university is focused on delivering the outcomes to ensure the success and sustainability of BUEST.

Our success will be determined by the quality of our graduates and we are committed to providing a unique teaching and learning experience for our students. The extensive inclusion of work integrated learning ensures that the university produces highly qualified, work-ready graduates. It has been a great source of pride to see our staff and students recognized for their outstanding achievements during 2017.

BUEST will continue the momentum built in recent years under the leadership of Vice-Chancellor Professor Dr. T.R. Bhardwaj. Dr. T.R. Bhardwaj's vision and determination has proved the university its identity and growth as a world class institution and has firmly marked BUEST as a leader in equity, Indigenous education, regional transformation and global research.

I congratulate the Vice Chancellor and his team for their tireless efforts in creating a strong image of BUEST not only in India but also in abroad as the University of excellence in quality education and research which is reflected in the annual report of 2017-18.



Shri Pradeep Srivastava

VICE CHANCELLOR MESSAGE

It is a pleasure to present the 2017 Annual Report for Baddi University of Emerging Sciences & Technology (BUEST). This report details the achievements and challenges of the last 12 months of Baddi University's successful role in the field of higher education. 2017 has been notable on a number of fronts. Baddi University has ranked A++ in All India B-School Survey by Chronicle. It's particularly gratifying to see that the university once again attracted the highest percentage of the top students' first preferences. Also notable was Baddi University's outstanding achievement in winning Excellence Award.



Prof. (Dr.) T.R. Bhardwaj

I have been consistently impressed by the dedication with which our academic and professional staff serves our community through education and research. The university continued to educate the high-performing, ethically aware professionals that government, industry and the third sector demands. Our research strength is helping to build collaborative engagement with industry, business and government partners. This assists our goal to link BUEST's research expertise with industry to commercialize innovative technologies so that business, industry and the community can benefit and profit from our front line research.

BUEST has initiated a very unique programme named Performance Enhancement Program (PEP) under the guidance of our Hon'ble Chancellor and imbibe the concept through Value Based Learning, Project Based Learning and Personality Development Program to bring out the best in students. The university met with some notable successes in our efforts to improve lives around the world by tackling great research challenges. To that end, we continued to strengthen our industry partnerships. The university undertook a number of initiatives to make our campus even more vibrant and stimulating.

BUEST has organized workshops on Human Values and Ethics to promote ethics and values in the students. The university undertook various initiatives to get rid of the menace of use of drugs by the students. The University ended the year in a sound financial position. It was a record year for fundraising, and we thank our stakeholders, alumni and other friends of the University for their Generous Support. These are only some of the highlights of a very successful year for BUEST.

I congratulate all BUEST members, leadership team and other staff on all that has been achieved, not only in 2017, but over the past years. However, based on the strong work done in 2017 and previous years, I am confident that Baddi University will continue to support the goals of the state and the nation with growing success into the future.

Prof. (Dr.) T.R. Bhardwaj

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PROFILE OF THE UNIVERSITY

GENESIS

The Society named Center for Advanced Studies in Engineering (CASE) was established on 2nd May, 2000 with a deep commitment to promote and propagate quality technical education. The commitment was translated into reality with the establishment of School of Engineering & Emerging Technologies (SEET) at Baddi in the year 2002.

The Society, through this institute, has been providing B.Tech. Engineering (Computer Science Engineering, Information Technology, Electronics & Communication Engineering, Mechanical Engineering, Electrical Engineering and MBA courses to the youth of Himachal Pradesh and other states of India. Two new departments, Computer Applications (offering MCA degree) and Civil Engineering (offering B.Tech. Degree) were added in the Institute in 2008. Over the years SEET achieved the status of a premier institute in imparting career oriented education in these fields.

In the year 2007, the Society established the School of Pharmacy and Emerging Sciences (SPES) and started 4-year B. Pharm. course from that year. In 2008, one more prestigious institute viz. School of Management Studies (SMS) was started offering MBA course. All these institutes comprised the CASE Group of Institutes. The institutes of CASE Group are known for their academic excellence and their total commitment to superiority in technical and management education with holistic concern for quality of life, environment, society and ethics. Through continued efforts of the Management, the Society has been able to achieve the status of a university incorporating the CASE Group of Institutes, Baddi University of Emerging Sciences and Technology. This university will continue to promote effective and innovative learning methods by using latest technology.

VISION

We are committed to be known for creating and imparting knowledge to prepare future ready professionals who would make positive impact in society.

MISSION

We would achieve our vision through Learning, Ideation and Application of knowledge by:

1. Creating a state -of- the- art teaching learning process.
2. Creating stimulating environment conducive to out -of- box thinking.
3. Encouraging Industry oriented Project based learning.
4. Value based learning by imbibing core values of-
 - a) Respect for individual
 - b) Integrity
 - c) Credibility
 - d) Excellence.

COLLABORATION

International Tie-Up

Baddi University of Emerging Sciences & Technologies has signed an MOU with Stamford International University, Thailand to offer the following to the deserving students:

- To provide high quality education.
- Baddi University students to progress to programs of study at Stamford International University.
- To teach Stamford modules at Baddi University campus so that students can do part of their program at Baddi University and complete it at Stamford.
- 2+2(Undergraduate degree and MBA) program 1+2 (Undergraduate degree) program between Baddi University and Stamford.

OUR INDUSTRIAL PARTNERSHIP

IBM-ICE Program

IBM-ICE is the Innovation Center for Education (ICE) at BUEST powered by the industrialized expertise of the IBMers of ICE team. The aim of this program is to develop a customized industry oriented curriculum that skillfully nurtures and mold the students into industry-ready professionals by focusing on real time learning via live projects, curriculum enablement and developments tuned to current industry needs and collaborative research.



INFOSYS CAMPUS CONNECT

BUEST has been associated with Infosys under Infosys Campus Connect program since 2008 enhancing the new ideology of bridging gaps between industry and campuses. BUEST is the advanced level academic partner of Infosys Ltd, and is registered for over 20 courses under this value added program. The collaborative effort by BUEST and Infosys ignites as inspirational spark in the students to blossom into competent professionals of future.



'UTKARSH' PROGRAM

This program of TVS Motor Company Ltd, is specifically designed for undergraduate engineering students (pre-final year) from prominent engineering colleges in India. These young minds are given ample opportunities to pursue industry related projects both in their pre-



final and final year in TVSM. They are tutored, mentored and guided by the best of talent & experience; thereby developing their inherent curiosity towards engineering and hone their skills to face the world after graduation. The best of the interns are extended PPO (Pre-Placement Offers) in their 7th semester.

EMPLOYABILITY SKILLS DEVELOPMENT (ESD) PROGRAM

Zensar Technologies and Zensar Foundation offer its new program “Employability Skills Development (ESD) Program for training of fresh graduates towards better readiness for the IT industry, at no cost to the student. BUEST’s aim is to polish the students and make them industry ready in order to cater to the dynamic needs of today’s IT industry which requires competent, hands-on and able data and information Engineers.



STATUTORY REGULATIONS AND APPROVALS

The University has been established under the “Baddi University of Emerging Sciences & Technology (Establishment & Regulation) Act” No. 21 of 2009 of Himachal Pradesh Government & approved by the UGC under sections 22 & 2 (f) of the UGC Act, 1956 and has the following approvals.

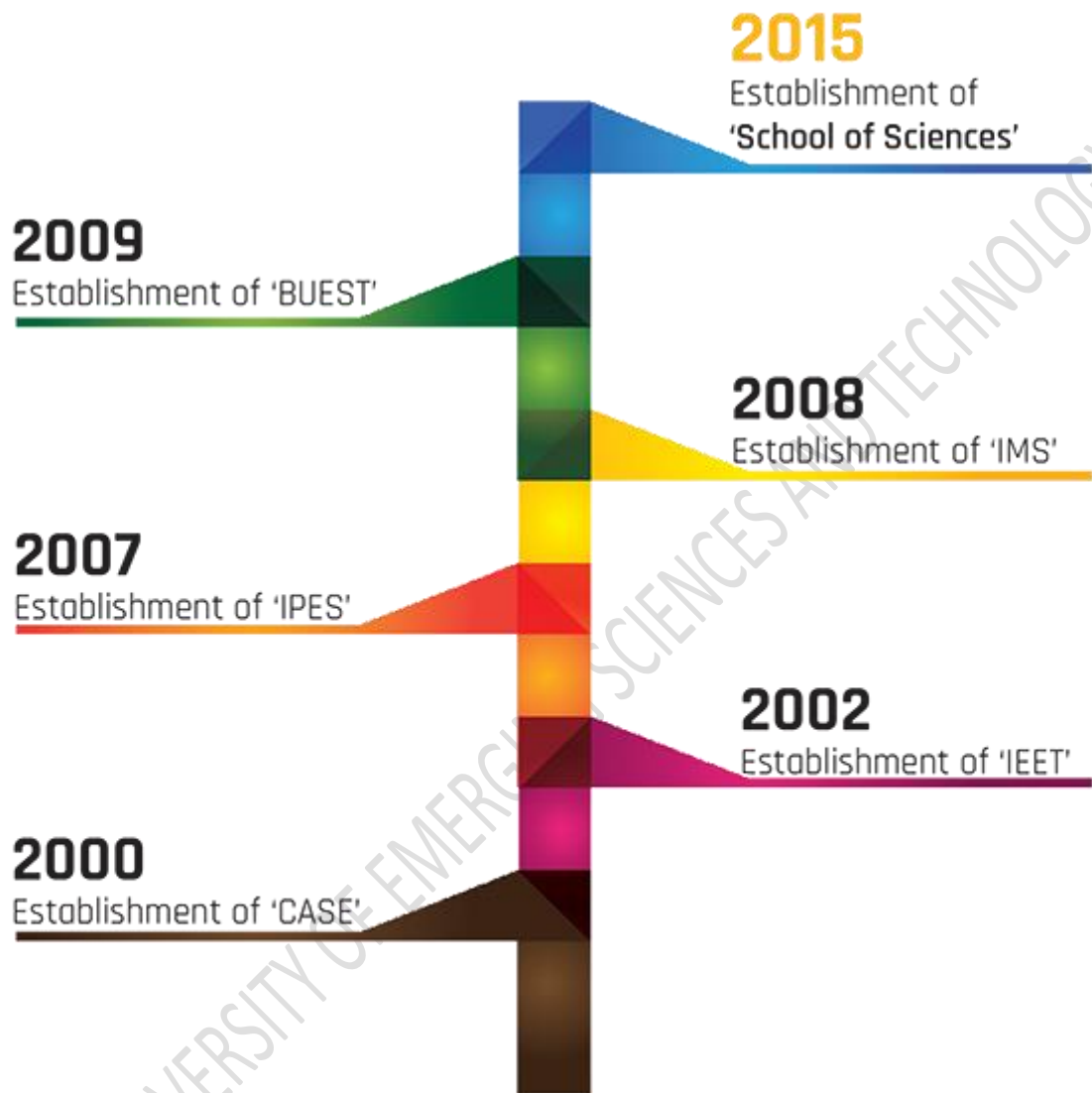
UGC Approved



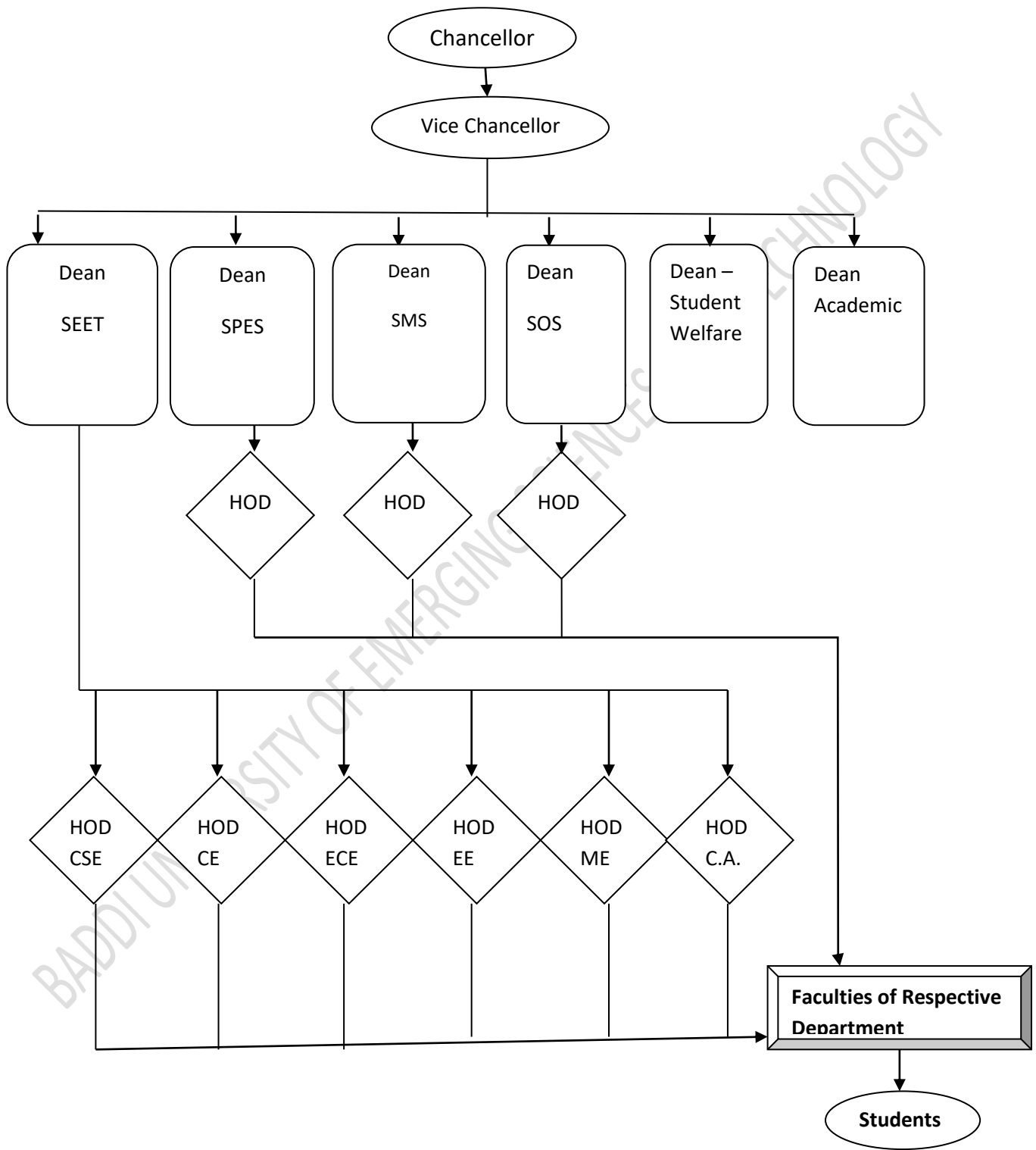
PCI Approved



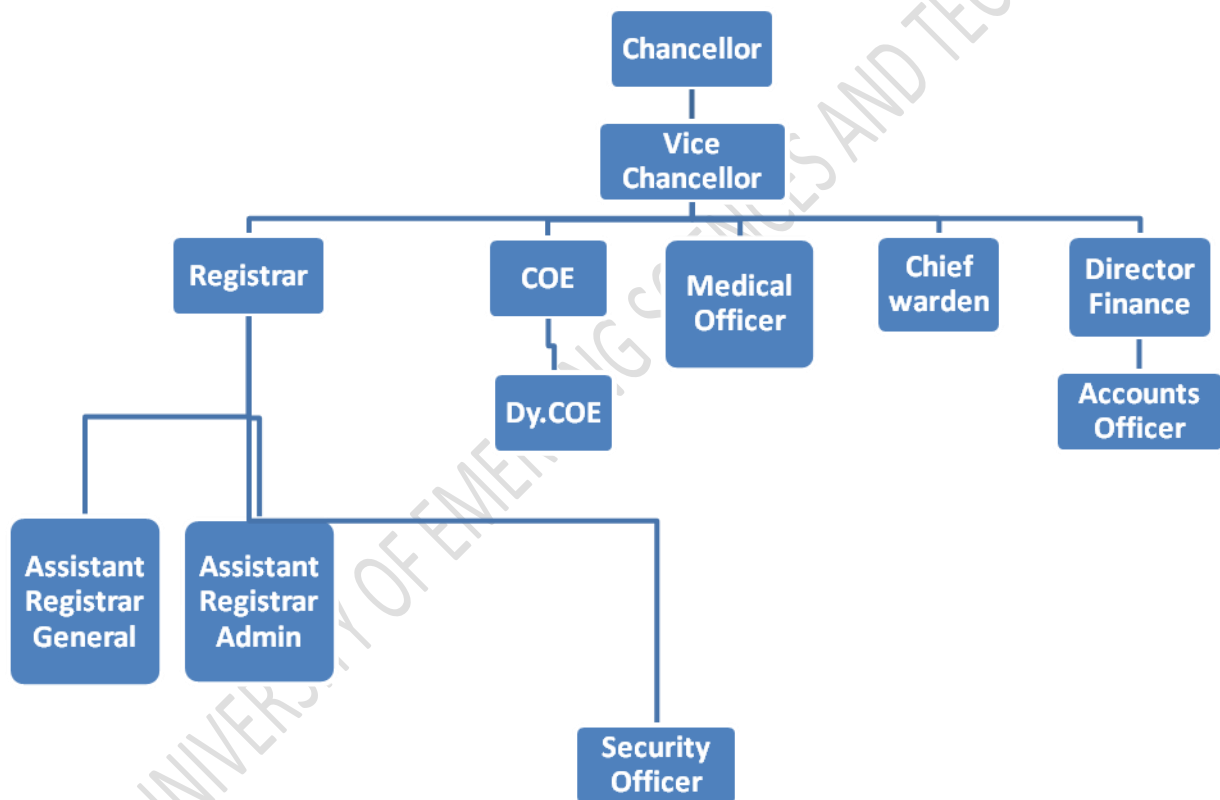
PROGRESS CHART



ACADEMIC STRUCTURE



ADMINISTRATIVE STRUCTURE



GOVERNING BODY

Mr. Pradeep Srivastava – Chancellor (BUEST)	Chairman
Mr. Pawan Kumar Agarwala – Vice-Chairman (Sponsoring Body)	Member
Mr. Gaurrav Ram Jhunjunwala – Member Secretary (Sponsoring Body)	Member
Prof.(Dr.) T.R. Bhardwaj – Vice-Chancellor (BUEST)	Member
Mr. Ajay Bansal	Member
Mr. K.D. Shreedhar	Member
Mr. Ajay Shrivastava	Member
Lt. Gen (Retd.) Dr. D.D. S. Sandhu	Member
Dr. T.R. Nandal – Registrar (BUEST)	Member Secretary

STUDENTS ENROLLED

Course	Sanctioned			Admitted			Sanctioned
	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	
ECE	180	120	60	36	28	15	60
CSE	120	120	120	63	85	46	120
IT	60	-	-	-	-	-	-
ME	180	180	120	171	58	35	120
EE	120	60	60	35	21	13	60
CE	120	120	120	104	58	39	120
MCA	60	60	60	16	-	02	60
MBA	120	120	120	48	62	45	120
D.Pharma	-	-	-	-	-	-	60
B.Pharma	60	60	60	60	60	100	100
M.Pharma Pharmaceutics	18	18	18	13	10	12	12
M.Pharma(Pharmaceu- Chemistry)	-	18	18	-	-	05	12
M.Tech (Regular)	18	18	18	6	9	03	18
EE, P. E. & Drives							
CSE, Softw.Engg	18	18	18	10	8	06	18
ECE	-	-	18	-	-	02	18
ME, Robotics & Automation	18	18	18	03	8	01	18
ME, Produ. Engg.	18	18	18	06	10	03	18
CE ,Struct. Engg	18	18	18	4	12	04	18

BCA	60	60	60	15	14	09	60
B.Com (Hon)	60	60	30	15	12	22	40
B.Sc. (Med.)	30	30	-	23	-	-	30
B.Sc.(Non Med.)	30	30	30	16	9	08	30
B.Sc.(Chem)Hons	-	30	30	-	-	-	30
B.Sc. MTR	30	30	-	-	-	-	-
BBA (Hon)	60	60	60	18	25	19	30
MA in English	-	30	-	-	-	-	-
M.Sc. Physics	-	-	-	-	-	-	30
Math	-	30	-	-	-	-	-
M.Sc. Chem	30	30	40	30	30	36	40
M.Sc. in Pharmaceutical Chemistry	-	-	18	-	-	02	18
Ph.D Chemistry	-	-	2	-	-	-	-
CE	-	3	2	-	-	-	-
CSE	-	2	3	-	-	-	-
ECE	-	2	2	-	-	-	-
EE	-	2	2	-	-	-	-
ME	-	2	-	-	-	-	-
MBA	-	2	3	-	1	-	-
Pharmacy	-	4	6	-	-	-	-
Total	1500	1362	1152	699	519	427	1260

LIST OF FACULTIES

School of Engineering & Emerging Technologies			
S. NO.	Name	Designation	Specialization
1	Dr. Vinay Bhatia	Professor, HoD-ECE, Dean-SEET, SW	Electronics & Communication Engineering (ECE)
2	Mr. Kuldeep Singh	Asstt. Professor	Electronics & Communication Engineering
3	Ms. Neha Sharma	Asstt. Professor	Electronics & Communication Engineering
4	Ms. Kamna Kohli	Asstt. Professor	Electronics & Communication Engineering
5	Ms. Ramanpreet Kaur	Asstt. Professor	Electronics & Communication Engineering
6	Mr. Sanjeev Kumar	Asstt. Professor	Electronics & Communication Engineering
7	Ms Charu Sharma	Asstt. Professor	Electronics & Communication Engineering
8	Ms. Jatinder Kaur	Asstt. Professor	Electronics & Communication Engineering
9	Ms. Kanchan Sharma	Asstt. Professor	Electronics & Communication Engineering
10	Ms. Gurdeep kaur	Asstt. Professor	Electronics & Communication Engineering
11	Mr. Deepak Saini	Asstt. Professor	Electronics & Communication Engineering
12	Ms. Geena Sharma	Asstt. Professor, CoD	Electrical Engineering
13	Mr. Narinder Sadana	Associate Professor	Electrical Engineering
14	Mr. Ishan Thakur	Asstt. Professor	Electrical Engineering
15	Mr. Abhinav Dogra	Asstt. Professor	Electrical Engineering
16	Ms. Ruchika	Asstt. Professor	Electrical Engineering
17	Mr. Bhupinder	Asstt. Professor	Electrical Engineering
18	Mr. Satish Arora	Asstt. Professor	Electrical Engineering
19	Dr. Khushmeet Kumar	Associate Professor	Mechanical Engineering
20	Mr. GauravSachdeva	Asstt. Professor	Mechanical Engineering
21	Ms. Sushma Singh	Asstt. Professor	Mechanical Engineering

22	Mr. Manish Singh Dharmshaktu	Asstt. Professor	Mechanical Engineering
23	Mr. GauravChigal	Asstt. Professor	Mechanical Engineering
24	Mr. Sukhwinder Kumar	Asstt. Professor	Mechanical Engineering
25	Mr. AnkurKalia	Asstt. Professor	Mechanical Engineering
26	Mr. GauravSoni	Asstt. Professor	Mechanical Engineering
27	Mr. Mahesh Kumar	Asstt. Professor	Mechanical Engineering
28	Mr. VivekChauhan	Asstt. Professor	Mechanical Engineering
29	Mr. NavdeepSandhu	Asstt. Professor	Mechanical Engineering
30	Mr. Kamaljit Singh	Asstt. Professor	Mechanical Engineering
31	Mr. Ishavneet Singh	Asstt. Professor	Mechanical Engineering
32	Mr. Vibhu	Asstt. Professor	Mechanical Engineering
33	Mr. Gurpreet Singh	Asstt. Professor	Mechanical Engineering
34	Mr. Devashish Sharma	Asstt. Professor	Mechanical Engineering
35	Mr. Krishan Kumar	Asstt. Professor	Mechanical Engineering
36	Ms. Neha Sharma	Asstt. Professor	Mechanical Engineering
37	Mr. Rahul Bhardwaj	Asstt. Professor	Mechanical Engineering
38	Mr. Vijender	Asstt. Professor	Mechanical Engineering
39	Mr. Vivek Kumar	Asstt. Professor	Mechanical Engineering
40	Mr.Parul Preet Singh	Asstt. Professor	Computer Science & Engineering
41	Ms.Rachna Sharma	Asstt. Professor	Computer Science & Engineering
42	Ms.Ruchika Sharma	Asstt. Professor	Computer Science & Engineering
43	Mr. Amar Singh	Asstt. Professor	Computer Science & Engineering
44	Ms. Nancy Sehgal	Asstt. Professor	Computer Science & Engineering
45	Ms.Suman Lata	Asstt. Professor	Computer Science & Engineering
46	Ms.Pallavi Jindal	Asstt. Professor	Computer Science & Engineering

47	Ms. Nikita	Asstt. Professor	Computer Science & Engineering
48	Mr. Rajesh Kumar Chaudhary	Asstt. Professor	Computer Science & Engineering
49	Mr. Ashish Dutt	Asstt. Professor	Computer Science & Engineering
50	Ms. Priyanka Jagota	Asstt. Professor	Computer Science & Engineering
51	Ms. Anjali Goel	Asstt. Professor	Computer Science & Engineering
52	Ms. Monika Gossain	Asstt. Professor	Computer Science & Engineering
53	Mr. Guljar Singh	Asstt. Professor	Computer Science & Engineering
54	Ms. Bharti	Asstt. Professor	Computer Science & Engineering
55	Ms. Priyanka Sharma	Asstt. Professor, CoD	Computer Science & Engineering
56	Mr. Abhishek Gupta	Asstt. Professor	Computer Science & Engineering
57	Mr. Archit Sharma	Asstt. Professor	Computer Science & Engineering
58	Ms. Promila	Asstt. Professor	Computer Science & Engineering
59	Ms. Mrinal Sharma	Asstt. Professor, CoD	Computer Applications
60	Er. Ankush Tanta	Asst. Professor, CoD	Structure Engineering
61	Er. Girish Sharma	Asst. Professor	Structure Engineering
62	Er. Abhishek Gupta	Asst. Professor	Structure Engineering
63	Er. Rohit Sharma	Asst. Professor	Structure Engineering
64	Er. Satya Pal Singh	Asst. Professor	Transportation Engineering
65	Er. Neha	Asstt. Professor	Construction Management & Technology
SCHOOL OF SCIENCES (Applied Sciences & Humanities)			
66	Ms. Nidhi Gupta (Coordinator)	Asstt Professor	Chemistry
67	Dr Shelly Mannan	Associate Prof	English
68	Mr. Vivek Chaudhary	Asstt Professor	Chemistry

69	MsTanuPriya	Asstt Professor	Physics
70	MrManoj Saini	Asstt Professor	Physics
71	DrPallavi Bhardwaj	AssttProfessor	English
72	DrRenuBala	Asstt Professor	Mathematics
73	Dr Sarvesh	Asstt Professor	Chemistry
74	Dr Gourav Gupta	AssttProfessor	Mathematics
75	Dr Nachiketa Chatterjee	Asstt Professor	Chemistry
76	Ms Akanksha	Lecturer	English
77	Ms Dolly Prabhakar	Lecturer	Chemistry
78	Ms Harpreet Kaur	Lecturer	Chemistry
79	Ms Suchi Sharma	Lecturer	Chemistry
80	Ms BhanuPriya Garg	Lecturer	Chemistry
81	Ms KumariAnupam	Lecturer	Mathematics
82	Ms Silky Bansal	Lecturer	Mathematics
83	Ms Pooja Chaudhary	Lecturer	English
84	Ms Tanveer Kaur	Lecturer	Physics
85	Ms Ekta	Lectuter	Physics
86	Ms Nitee Singh	Lecturer	Microbiology
87	MrNetar	Lab Demonstrator	Chemistry
88	MrRohitChoudhary	Lab Technician	Chemistry
SCHOOL OF MANAGEMENT STUDIES			
89	Dr. Prashant Mehta	Prof. & Dean	HR
90	Mr. Rajender Guleria	Professor	HR

91	Dr. Poonam Kumari	Asstt. Professor	Commerce
92	Mr. Avneesh Chandra Kaushik	Asstt. Professor	Mktg./Finance
93	Dr. Nisha	Asstt. Professor	HR/Mktg.
94	Ms Varsha Gupta	Asstt. Professor	Finance/Mktg.
95	Ms. Bhawna Prashar	Asstt. Professor	Mktg./HR
96	Mr. Rajeev Kumar	Asstt. Professor	Mktg./HR
97	Ms. Tamanna	Asstt. Professor	IT
98	Ms Viveka Attri	Asstt. Professor	HR
99	Ms Alka Sood	Asstt. Professor	HR/Finance
100	Ms Reetu	Asstt. Professor	Commerce
101	Ms. Ruhi Sharma	Asstt. Professor	HR
102	Dr. Karan Joshi	Asstt. Professor	Markteting
103	Mr. Balraj Verma	Asstt. Professor	Mktg./International Business
SCHOOL OF PHARMACY & EMERGING SCIENCES			
104	Dr. Tilak Raj Bhardwaj	Professor/ Dean SPES	Pharmaceutical Chemistry/Medicinal Chemistry
105	Dr. Saahil Arora	Professor	Pharmaceutics
106	Dr. Nitin Verma	Associate Professor	Pharmacognosy
107	Dr. Arti R. Thakkar	Associate Professor	Pharma Quality Assurance
108	Ms. Parul Sood	Asstt. Professor	Pharmacogonosy
109	Ms. Tapaswi Rani Dash	Asstt. Professor	Pharmaceutics
110	Dr. Ravinesh Mishra	Associate Professor	Pharmaceutical Chemistry
111	Ms Sawati Sharma	Asstt. Professor	
112	Mr. Shubham Goyal	Asstt. Professor	Pharmacology

113	Ms Suchika Sharma	Asstt. Professor	Pharmaceutics
114	Ms Deepdarshan Kaur	Asstt. Professor	
115	Ms Chand Kaur	Asstt. Professor	Pharmacology
116	Mr. Sahil Kumar	Asstt. Professor	Pharma Chemistry
117	Mr. Nitin Sharma	Asstt. Professor	Pharmaceutics Analysis
118	Ms Gurpreet Kaur	Asstt. Professor	Pharmacognosy
119	Ms Swati	Asstt. Professor	Pharmaceutics
120	Mr. Bhartendu Sharma	Asstt. Professor	Pharmaceutical Chemistry

IMPORTANT FUNCTIONARIES

Sr. No	Name	Designation	Contact No.	Email-id
1	Sh. Gaurrav Ram Jhunhunwala	Secretary (Sponsoring Body)	01795 247353 Ext. 279	Gaurravrj24@gmail.com
2	Sh. Pradeep Srivastava	Chancellor	+918420136450	chancellor@baddiuniv.ac.in
3	Prof. (Dr.) T.R. Bhardwaj	Vice-Chancellor	01795-247882, 01795 247353 Ext. 275	vc@baddiuniv.ac.in
4	Dr. T.R. Nandal	Registrar	01795 247353 Ext. 214, 01795-247884	registrar@baddiuniv.ac.in
5	Sh. Narinder Sadana	Controller of Exams	01795247353 Ext. 224	coe@baddiuniv.ac.in
6	Sh. Ratinder Chopra	Director, Finance	01795 247353 Ext. 203	director.finance@baddiuniv.ac.in

COURSES APPROVED, ELIGIBILITY & FEE STRUCTURE

SCHOOL OF ENGINEERING & EMERGING TECHNOLOGIES (SEET)			
Courses		Eligibility Criteria	Fee Structure
B Tech	ECE	Candidates must have passed 10*2 examinations or its equivalent from a recognized Board/ University with Physics and mathematics as compulsory subjects along with any one of the optional subjects: Chemistry/ Biology, Computer Science and Bio Technology. Admissions in the first instance will be made o the basis of JEE Mains Score. Remaining vacant seats will be filled in the basis merit in qualifying examinations approved by the Government.	1,10000*
	CSE		
	ME		
	EE		
	CE		
Lateral Entry available for B.Tech			
MCA		Candidates must have passed graduation from a recognised University with mathematics in 10+2. Merit as per the marks obtained in qualifying examination.	60000*
BCA		Candidates must have passed 10+2 examination or its equivalent from a recognised University/ Board Merit as per the marks obtained in qualifying examination.	30000*
M.Tech	Power Electronics & Drives (EE)	Gate Score Remaining Vacant seats will be filled up on the basis of merit in qualifying examination.	60000*
	Electronics & Communication Engg. (ECE)		
	Computer Science & Engg. (CSE)		
	Software Engg. (CSE)		
	Production Engg. (ME)		
	Structural Engg. (CE)		
Ph. D	ECE	Seats and eligibility as per the approval from statutory body	
	ME		
SCHOOL OF SCIENCES (SOS)			
B.Sc(Non Med.)		• For B.Sc(Non-Medical), candidates must have passed 10+2 examination or its equivalent from a recognized Board/University with Physics & Mathematics as compulsory subjects along with any one of the	36,500

	optional subjects: Chemistry/Biology/Computer Sciences/Bio-Technology. • Admissions will be made on the basis of 10+2 examination Merit.	
B.Sc Chemistry (Hons)	Candidate must pass 10+2 examination or its equivalent from recognized Board/University with Chemistry as compulsory subject along with any one of the optional subject: Physics/ Mathematics/ Biology/Computer Sciences/Bio-technology. Admissions will be made on the basis of 10+2 examination merit	40,000
MSc Chemistry	For M.sc Chemistry, candidates must have passed B.Sc Medical or Non Medical with chemistry as one of the subject from recognized University.	48,200
MSc Mathematics	B.Sc in Maths.	48,200
MSc Physics	For M.sc Physics, candidates must have passed B.Sc Non Medical with Physics as one of the subject from recognized University	48,200
SCHOOL OF MANAGEMENT STUDIES (SMS)		
B COM	Candidates must have passed 10*+2 examination or its equivalent from a recognized University/ Board.	25000
BBA	Admissions will be made on basis of 10+2 examination & Personal interview	30000
MBA	Candidates must have completed graduation in any stream from any recognized university. Merit list will be prepared on the basis of weightage assigned to 10th, 10+2, Graduation and inference Test (CAT/AIMAT/HP-CMAT etc) marks and performance in group discussion & personal interview. Remaining vacant seats will be filled based upon the merit in the qualifying examinations.	100000
Ph.D	Seats & Eligibility as per the approval from statutory body	

School of Pharmacy & Emerging Sciences(SPES)		
B.Pharmacy	Candidates must have passed 10*2 examination or its equivalent from a recognized Board/ University with Physics and Mathematics as compulsory subjects along with any one of the optional subjects: Chemistry/ Biology, Computer Science and Bio Technology. Merit in state Government Entrance Test/BUEST Entrance Test. Remaining vacant seats will be filled based upon the merit in the qualifying exams.	80000
M.Pharmacy	Candidates must have completed graduation (B.Pharm.) from any recognized University, with 50% marks	1,20000
Ph.D	Seats & Eligibility as per the approval from statutory body	

STRENGTHS OF THE UNIVERSITY

- The Legacy of IET is being carried forward by buest.
- State of the art labs, workshops & virtual labs sharing with us.
- Industrial acclimatization through corporate guest lectures & industrial visits.
- Exclusive arena of learning at buest library with latest books & journals.
- Attractive scholarships over Rs. 1 crore per annum based upon merit as well as merit cum means.
- Extensive pre placement training & excellent placements.
- Free Education for girls under 'Betiyon Ki Bari' scholarship scheme.
- Safe and secure environment.

SCHOOL OF ENGINEERING AND EMERGING TECHNOLOGIES

School of Engineering & Emerging Technologies earlier famous with the name Institute of Engineering & Emerging Technologies (IET) was established in the year 2002 by a society named Center for Advanced Studies in Engineering (CASE), with a deep commitment to promote and propagate quality technical education.

The School has been offering following under graduate, post graduate & Doctoral courses:

B.Tech.

- Computer Science Engineering
- Electronics & Comm. Engineering
- Electrical Engineering
- Mechanical Engineering
- Civil Engineering

M.Tech.

- Computer Science Engineering(CSE)
- Power Electronics & Drives(EE)
- Electronics & Comm. Engineering(ECE)
- Software Engineering (CSE)
- Structural Engg. (CE)
- Production Engg. (ME)

C.A:

- Bachelor in Computer Applications (BCA)
- Master in Computer Applications (MCA)

Ph.D.

- Electronics & Comm. Engineering (ECE)
- Mechanical Engineering (ME)

COMPUTER SCIENCE & ENGINEERING DEPARTMENT

PROFILE

The computer science department strives for excellence in creating, applying, and imparting knowledge in computer science and engineering through comprehensive educational programmes, research in collaboration with industry and government dissemination through scholarly publications and serve to professional societies, the community, the state and the nation. Computer Science department has six well equipped Laboratories named Artificial Intelligence lab / Multimedia Lab/ Database management Systems lab/ Programming Lab with latest hardware and software's. A 125 Mbps leased line providing 24 hour Wi-Fi and Internet Facility throughout the campus.

ACADEMIC PROGRAMMES

Computer Science and Engineering Department is running three academic programs.

- B.Tech (CSE) – 4 years
- M.Tech (Software Engineering) – 2 years
- M.Tech (Computer Science Engineering) – 2 years

ACADEMIC ACTIVITIES

- Board of Studies has been conducted to improve the syllabus of courses of B.Tech and M.Tech on 2/2/2018.
- To Ensure Proper Academic Discipline in Department, [Corridor Duty Chart](#) has been followed and Daily adjustments are being done by the [Daily Adjustment In charges](#).
- Two Faculty Members are also the members of UDC(University Discipline Committee) to ensure proper discipline in university.
- **Pre Placement Classes:**Pre Placement Technical classes were also organized in the department for brush up the skills of the students for the placement.
- PDP session was conducted by Triniti on Feb 01 and Feb 02, 2018 consecutively for the 8th CSE semester students for the placement.
- A 2-day Workshop on Programming in Python has been conducted successfully and certificate ceremony was also organized for the distribution of certificates among participants.

- **Question Paper Generator:** A live project has been designed and it has started developing by the faculties of CSE department for the Examination Branch for generating the question papers of different subjects automatically.
- **Smart Lighting System :-** A live project is prepared, tested and implemented in LH-210, by the students Pankaj Thakur, Sougat Biswas and Prabhjot Singh under faculty in-charge for the project Mr. Rajesh, A.P CSE.
- **Online Result Module:** - A live project has been implemented and a new module have been added to the online result display for examination branch of the university.
- CSE department is a Resource center for Spoken Tutorial Project of IIT Bombay under MHRD. Spoken tutorial project is initiated by IIT Bombay under National Mission on Education through ICT funded by Ministry of Human Resource Development, Government of India.
- Internet bandwidth in the campus is 125 mbps providing 24 hours internet facility throughout the campus.
- **Project Based Industrial Training:-** Around 120 students of CSE(77) and CSE-IBM(32) and MCA(14) are involve in the Project based industrial summer training by the **Acadview Software Pvt. Ltd.**, New Delhi in **Front-end** Web Development Course (HTML, CSS, Javascript, Bootstrap, Angular JS) and **Back-end** Development Course (Python, MYSQL, Django)
- An Industrial visit was conducted to Piford Technologies (Mohali) on 19/09/2017 for students of 3rd Semester CSE & CSE-IBM.
- An Industrial visit was conducted to Pi-Soft Informatics Pvt. Ltd on 17/11/2017 for students of 5th Semester CSE & CSE-IBM.
- An Industrial visit was conducted to CSIR-CSIO, Chandigarh on 31/10/2017 for students of 7th Semester CSE & CSE-IBM.
- An Industrial visit was conducted to CS Soft Solutions Pvt. Ltd. Mohali on 8/02/2018 for students of 4th Semester CSE & CSE-IBM.
- An Industrial visit was conducted to CS Soft Solutions Pvt. Ltd. Mohali on 14/03/2018 for students of 6th Semester CSE & CSE-IBM.
- An Industrial visit was conducted to Piford Informatics Pvt. Ltd. (Mohali) on 03/04/2018 for students of 7th Semester CSE & CSE-IBM.
- **Guest Lecture:-** Mr. Rajesh Chaudhary had delivered a lecture to the students of class 9th and class 10th on 13/10/2017 on the basics of computers, MS-word and MS-excel at G.S.S.School, Sai(Baddi).
- **Alumni Talk:-** (i) Department of Computer Science & Engineering, BUEST had organized an Alumni Talk on 27th November, 2017 at BUEST campus. Ms. Pratima Sharma, Testing Analyst at Orange Business Services, Gurgaon visited BUEST to give her views on Software Testing and Devops.

- (ii) Department of Computer Science & Engineering, BUEST had organized an Alumni Talk on 12th March, 2018 at BUEST campus. Ms.NimeshaZutshi, Software Developer Coordinator at Smart Layer Business Solutions, Chandigarh visited BUEST to give her views on Agile Methodology

WORKSHOPS

S.N O	Name of workshop	Topic	Organization	Date
1.	2-Day Workshop on Programming In Python	Programming In Python	BUEST	7-8 Sept. 17

GUEST LECTURES/EXPERT TALK

Sr.N	Topic	Guest name/ designation	DATE
1	Python	Mr.RajatChakrobarty, Operation Head, Acad view, New Delhi.	14/9/2017
2	Cloud Computing	Mr.MayankKalra, Network Administrator, Pisoft Informatics Pvt. Ltd. (Mohali)	24/10/2017
3	Big Data &Hadoop	Mr.VikasAtray Data Scientist, APTRON Solutions Pvt. Ltd., Noida	13/02/2018

ALUMNI TALK

Sr.N	Topic	Guest name/ designation	DATE
1	Software Testing and Developments	Ms.Pratima Sharma, Testing Analyst at Orange Business Services, Gurgaon	27/11/2017
2	Agile Methodology	Ms.NimeshaZutshi, Software Developer Coordinator at Smart Layer Business Solutions, Chandigarh	12/03/2018

RESEARCH ACTIVITIES

Mr. ParulpreetSingh

Conference/Workshop Attended

- Attended a **"2-Day Workshop on Programming in Python"** held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Paper Published

- **"Review of Prioritization Techniques in Regression Testing"** e-ISSN: 2320-088X p-ISSN-2320-088X Volume 6, Issue 4 published in International Journal of Computer Science and Mobile Computing, April 2017.
- **"A Genetic Algorithm for Regression Test Case Prioritization"** IJCSE, ISSN: 2347-2693, Volume-5, Issue-6 published in International Journal of Computer Sciences and Engineering, June 2017.

Ms. SumanLata

Conference/Workshop Attended

- Attended a **"2-Day Workshop on Programming in Python"** held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Ms. Rachna Sharma

Conference/Workshop Attended

- Attended a **"2-Day Workshop on Programming in Python"** held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Ms. Ruchika Sharma

Conference/Workshop Attended

- Attended a **"2-Day Workshop on Programming in Python"** held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Ms. Nancy Sehgal

Conference/Workshop Attended

- Attended a **"2-Day Workshop on Programming in Python"** held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Paper Published

- **"A review of improving software quality using machine learning algorithms"**, ISSN 2320-088X, Vol-6, issue 3 published in International journal of computer science and mobile computing, March 2017.
- **"Prediction Analysis Techniques using Hybrid Clustering and SVM Classification"**, ISSN(online) 2319-8753, Vol-6, issue 7 published in International Journal of Innovative Research in Science, Engineering and Technology, July 2017.
- **"A survey on Data Mining Techniques and its Applications"**, ISSN 2456-4184, Vol-2, issue-6 published in International Journal of Novel Research and Development, , July 2017
- **"A Technique for Improving Software Quality using Support Vector Machine"**, Issn: 2347-2693, Vol-5, issue- 6 published in International Journal of Computer Sciences and Engineering, June 2017.

Mr. Amar Singh

Conference/Workshop Attended

- Attended a **"2-Day Workshop on Programming in Python"** held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Paper Published

- **"AODV : An Optimized AODV Routing Protocol for Wireless Mesh Networks"** Volume 8, No.3 published in International Journal of Advanced Research in Computer Science, March – April 2017
- **"P3PGA: Multi-Population 3 Parent Genetic Algorithm and its Application to Routing in WMNs"** Volume, 8(5) published in International Journal of Advanced Research in Computer Science, May-June 2017.
- **"Routing Protocols for WMNs: A Survey"** , Volume 7(7), published in International Journal of Advanced Research in Computer Science and Software Engineering, July 2017.

- **“ANN Based Framework for Energy Efficient Routing In Multi-Hop WSNs”,** Volume 8(5) published in International Journal of Advanced Research in Computer Science, May-June 2017.

Ms. Nikita Malhotra

Conference/Workshop Attended

- Attended a **“2-Day Workshop on Programming in Python”** held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Mr. Rajesh Chaudhary

Conference/Workshop Attended

- Attended a **“2-Day Workshop on Programming in Python”** held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Mr. AshishDutt

Conference/Workshop Attended

- Attended a **“2-Day Workshop on Programming in Python”** held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Ms. AnjuliGoel

Conference/Workshop Attended

- Attended a **“2-Day Workshop on Programming in Python”** held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017

Ms. Monika Gussain

Conference/Workshop Attended

- Attended a **“2-Day Workshop on Programming in Python”** held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Ms. Priyanka Jagota

Conference/Workshop Attended

- Attended a "2-Day Workshop on Programming in Python" held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Ms. Bharti

Conference/Workshop Attended

- Attended a "2-Day Workshop on Programming in Python" held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

Mr. Guljar Singh

Conference/Workshop Attended

- Attended a "2-Day Workshop on Programming in Python" held at Baddi University of Emerging Sciences and Technology, Baddi in Department of CSE on 7-8th September 2017.

STUDENT ACHIEVEMENT'S

B.Tech-CSE 2014-2018 Batch			
Bupin ID	Name of Student	CGPA	Passing Year
14UCS032	Karan Bhardwaj	9.20	2018
14UCS046	Muskaan Sehgal	9.19	2018
15LCS004	Saryu Mahajan	8.90	2018

B.Tech-CSE 2015-2019 Batch			
Bupin ID	Name of Student	CGPA	Passing Year
15UCS039	Vishav Gupta	9.75	2019
15UCS060	Divya Rana	8.78	2019
15UCS009	Danish Bhatia	8.28	2019

PLACEMENTS

Sr no.	Name of the Company	Total number of students got placed	@ package
1.	Orange	01	3.87lakhs
2.	WEP-Peripherals	01	3.85lakhs
3.	NTT Data	02	3.00lakhs

Collaborations (MOU's)

- The MOU with Infosys Ltd. for Infosys Campus Connect has been renewed for the 5th time on 14/08/17 with BUEST being honored as “SILVER PARTNER” with Infosys in the year 2016.
- Industry Alliance with EMC Corporation has been extended for BUEST; we have been selected as an esteemed partner for “EMC Center for Academic Excellence” for Big Data and Analytics.
- EMC has been collaborated with DELL and BUEST has been invited for Dell Forum on 15th September 2017.
- **NASSCOM, New Delhi** is Centre head of sector skill in Computer Science Engineering. The MOU form was filled and submitted to **NASSCOM, New Delhi** on 22 Jan, 2018 for conducting Skill development programs in the University campus. Two Job rolls are planned: **Data Entry Operator** and **Domestic IT Helpdesk Attendant**. Now MOU letter is awaited from **NASSCOM**.
- Spoken tutorial project is initiated by IIT Bombay under National Mission on Education through ICT funded by Ministry of Human Resource Development, Government of India. This project includes workshops on modules which are provided by spoken tutorial team. The Spoken Tutorial Project is about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP & MySQL, Java, C/C++, LibreOffice etc. via an easy Video tool - Spoken Tutorials.
- MOU is signed with Institution of Communication Engineers and Information Technologists (ICEIT)
- BUEST has been associated with Infosys under Infosys campus connect program since 2008 enhancing the new ideology of bridging gaps between industry and campuses. BUEST is the advanced level academic partner of Infosys limited and is registered for over 20 courses under this value added program the collaborative effort

by BUEST and Infosys ignites an inspirational spark in the students to blossom in to competent professional of future via following ways:

1. Dual perspective tutelage (academic and industry) for students via co-teach courses provided for achieving strong academia
2. Annual meet with all members academic partners is organized annually to introspect the work of the past and future sessions
3. Regular webinars, seminar and FDP sessions by industry practitioners are organized by Infosys for both faculty and students
4. Frequent interaction of student with Infosys via an exclusive portal accelerated learning for students by encouraging them to participate in the “ASPIRATIONS 2020” – a programming contest for students of engineering colleges to prepare themselves to become smart professionals.

OTHER ACTIVITIES

- **Student innovation club** of the department has been created with the motive to organize various events like hands on session on IOT, workshop on home automation and python to develop new projects.
- **PBL:** - Projects were allocated to the students of 4th and 6th semester CSE under PBL Program.
- **Pre Placement Classes:** Pre Placement Technical classes were also organized in the department for brush up the skills of the students for the placement.
- **TECHITHON 2017:-** Various Technical events such as Expert Talk, Technical Quiz and Project Exhibition were organized in fest “**TECHITHON 2017**” on 24/10/17.

Commemorative events (Celebrations)

- **International Yoga Day Celebration:-** Various Faculty and staff members of the department attended International Yoga Day Celebration on 21/06/2017 in the university campus.
- **International Women Day Celebration:** -Various Faculty and staff members had attended and participated in an International women’s day that had been celebrated in the University on 8th March, 2018.

ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

PROFILE

The department of Electronics and Communication engineering has been playing a vital role in producing scientists and technologists of highest calibre ever since it was established in the year 2002. Students pursuing B.Tech in Electronics and Communication have a full and flexible undergraduate curriculum. Numerous streams can be tailored to fit every individual's interests, skills and career goals. The department has been continuously striving for excellence in engineering education. The department has always been on a path to keep pace with the ever increasing importance of the major disciplines of study and current technology trends. The programme emphasizes the basics of Electronics, Computers, Communication Engineering and Instrumentation. Department of Electronics and Communication imparts high quality education and enables innovation, research and teamwork capabilities to students so that they can serve diverse needs of society. Electronics and Communication Engineering Department has good and consistent placement record with students placed in many Core and IT companies.

The department is well equipped with modern laboratory facilities and good infrastructure.

Hardware Labs:

- Basic Electronics Engineering lab
- Communication Systems Lab
- Linear Integrated Circuits Lab
- Electronics Measurement & Measuring Instruments Lab
- Electronic Devices & Circuits Lab
- Digital Electronics & Microprocessors Lab
- Microwave Engg. Lab
- Optical Fiber Communication Lab

Softwares Available:

- | | |
|---|----------|
| • | LabView |
| • | MATLAB |
| • | Xilinx |
| • | MultiSim |

ACADEMIC PROGRAMMES

Electronics & Communication Engineering Department is running following academic programs:

- B.Tech (Electronics & Communication Engineering) – 4 years
- M.Tech (Electronics & Communication Engineering) – 2 years

ACADEMIC ACTIVITIES

SEMINAR/CONFERENCES/WORKSHOP/ FDPs ORGANISED

S.No.	Topic	Organisation	Date
1	Introduction to MATLAB & Fuzzy Logic Toolbox	ECE, BUEST	6 th -7 th March 2018
2	PCB Designing	ECE, BUEST	9 th March 2018
3	Introduction to PLC, SCADA, Drive Communication and Industrial Automation	Siemens, Panchkula	17 th April 2018
4	Big Data Analysis	ECE, BUEST	2 nd July 2018

GUEST LECTURES

S. No.	Name	Organization	Topic	Date
1	Dr. Amod Kumar	Chief Scientist , CSIO Chandigarh	Biomedical Instrumentation	25 th Sep 2017
2	Dr. Sanjeev Kumar	Scientist C, CSIO Chandigarh	Biomedical Signal Processing	16 th Feb 2018

INDUSTRIAL VISITS/ EXCURSIONS

S.No.	Semester	Place	Date
1	3 rd , 5 th , 7 th	Elin Appliances Pvt. Ltd, Baddi	2 nd Nov 2017
2	3 rd , 5 th , 7 th	The Fort, Nalagarh	2 nd Nov 2017
3	3 rd , 5 th , 7 th	Virasat-e-Khalsa ,Ananadpur Sahib	7 th Nov 2017
4	4 th , 6 th , 8 th	Digital System Inc. Baddi	27 th Feb 2018
5	4 th , 6 th , 8 th	Doordarshan Kasauli, Distt. Solan	5 th Apr 2018

PRE PLACEMENT ACTIVITIES

Pre placement activities are done to increase the employability of the students. During session 2017-18 various sessions were taken by faculty members to make the students employable.

S. No.	Session	Faculty
1	Artificial Intelligence & C++ Programming	Mr. Kuldeep Singh
2	Java Programming & Communication Networks	Mr. Deepak Saini
3	Principles of Electronics Engineering	Ms. Kamna Kohli

4	Microprocessor & Digital Electronics	Ms. Charu Sharma
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STUDENTS' ACHIEVMENTS

2014(BATCH)			
S. No	Student Name	Roll No	CGPA
1	ChanderPrakash	14UEC005	9.70
2	Arjit Sharma	14UEC001	8.45
3	Rohit Bhalaria	14UEC016	8.42

2015(BATCH)			
S. No	Student Name	Roll No	CGPA
1	Sahil Saini	16LEC001	9.22
2	Manpreet Kaur Dayal	15UEC007	8.74
3	Ashish Kapoor	16LEC005	8.63

PLACEMENT RECORD

Sr.No.	Company	No. of Students placed
1	IBM Bangalore	01
2	WEP Solutions, Baddi	01
3	Orange Business Services	04
4	NTT Data	02
5	RST Semiconductor	03
6	Natron Energy	04
7	Havells	01
8	Signicent Information Solution	01
9	Varite	01

ALUMNI TALK

Sr.No.	Topic	Guest name/ designation	DATE
1	Network Operations & maintenance	Mr. Madhav Katoch/ NOC (Network Operating Center) Engineer, Orange Business Services	27 th Mar 2018
2	Network Operations & maintenance	Ms. Deepa Rana/ Assistant NOC (Network Operating Center) Engineer, Orange Business Services	27 th Mar 2018

RESEARCH ACTIVITIES

PAPERS PUBLISHED /CONFERENCES ATTENDED

Paper Publications:

Prof. (Dr.)Vinay Bhatia

- Jyoti, Jaideep, Vinay Bhatia, "Modelling Distributed Power Flow Controller With PEM Fuel Cell For Power Quality Improvement", Engineering, Technology & Applied Science **Research under Thomson Reuters, SCI**, Vol 8, No.1.Feb 2018.
- Geena Sharma, Vinay Bhatia, "Analysis of a DVR with Molten Carbonate Fuel Cell and Fuzzy Logic Control", Engineering Technology & Applied Science Research, **Research under Thomson Reuters, SCI** Vol. 8, No. 2, March 2018.
- Gurdeep Kaur, Vinay Bhatia, "Evaluation and Improvement in AODV for path establishment using Bio inspired Technique", IEEE conference, August 2017.
- Gurdeep Kaur, Vinay Bhatia, "Review of two Bio-inspired Techniques to Optimize Path", National Conference, 2017.
- Iti Walia, Vinay Bhatia, "Routing Strategy for flying ad-hoc network" ICETEST Conference 2018
- Jyoti Sharma, Gurdeep Kaur, Vinay Bhatia, " A Review of Hybrid Algorithm deployed for mobile Ad-hoc wireless network" ICETEST Conference 2018
- Geena Sharma, Vinay Bhatia, "Voltage Sag/Swell mitigation using Dynamic Voltage restorer, ICETEST Conference 2018
- Gurdeep Kaur, Vinay Bhatia, Dushyant Gupta, "Comparative Study of the performance of existing protocols of MANET with simulation and justification of an improved Routing Protocol", International Journal of Advanced Research in Electronics and Communication Engineering(IJARECE) Volume 6, Issue 6, June 2017.

- Mahavir Singh Chauhan, Amit Kapoor, Vinay Bhatia, "To design high speed and long reach inter-satellite communication system by incorporating orthogonal frequency division multiplexing scheme", International Journal of Advanced Research in Electronics and Communication Engineering(IJARECE) Volume 6, Issue 6, June 2017.
- Gurdeep Kaur, Vinay Bhatia, Dushyant Gupta, "Comparative Study of the performance of existing protocols of MANET with simulation and justification of an improved Routing Protocol", International Journal of Advanced Research in Electronics and Communication Engineering(IJARECE) Volume 6, Issue 6, June 2017.

Mr.Kuldeep Singh

- Iqbal Ahmed, Kuldeep Singh "Multi-channel Surface Electromyography Muscle Fatigue Analysis: A Review"International Journal of Information Technology, November 2017.
- Iqbal Ahmed, Kuldeep Singh "Fuzzy Logic Controller for leg movement using SEMG signal" International Journal of Advanced Engineering and Research Development, March 2018.

Ms. Gurdeep Kaur

- Gurdeep Kaur, Vinay Bhatia, "Review of two Bio-inspired Techniques to Optimize Path", National Conference, 2017.
- Gurdeep Kaur, Vinay Bhatia, "Evaluation and Improvement in AODV for path establishment using Bio inspired Technique", IEEE conference, August 2017.
- Gurdeep Kaur, Vinay Bhatia, Dushyant Gupta, "Comparative Study of the performance of existing protocols of MANET with simulation and justification of an improved Routing Protocol", International Journal of Advanced Research in Electronics and Communication Engineering(IJARECE) Volume 6, Issue 6, June 2017.
- Jyoti Sharma,Vinay Bhatia, Gurdeep Kaur "A Review of Hybrid Algorithm deployed for mobile Ad-hoc wireless network" ICETEST Conference 2018.

Pursuing Ph.D:

Ms. Neha Sharma

- Ms. Neha Sharma has completed her Ph.D course work from AcSIR-CSIO, Chandigarh during January-June 2018.

Short Term Course:

Mr. Deepak Saini

- Mr. Deepak Saini Attended a 5-day Short Term Course on Big Data Analytics from NITTTR, Chandigarh.

OTHER ACTIVITIES

TECHITHON

TECHITHON' 2018 was organized jointly by the department of Electronics and Communication, Engineering, Computer Science & Engineering and Electrical Engineering on 24th Oct, 2017 under the Banner of IEEE Student Chapter BUEST.

The Technical Competition in the field of Electrical, Electronics and Computer Engg attracted a very wide spread participation from across the 3 Departments of BUEST. Component Identification, Technical quizzes, Technical Paper Presentation, Projects in the areas of IT Software Designing, Application Software Designing, Internet of Things (IOT), Embedded System Designing, Mobile Application Developments followed by cultural events were the distinctive features of this Technical Competition.

CLUBS FORMED IN THE DEPARTMENT:

1. "ARTONICA":- To exhibit the talent of students in a field of art.

Aesthetic club "**Artonica**" has been formed in ECE Dept. This club aims to bring out creativity in students and bring them together to showcase their talent in the field of art. For Example, with so many nations of the world driving on the road to economic development and technology ever advancing, the search for solutions to the e-waste problem is a multi-faceted endeavor. E-waste is a term used to cover almost all types of electrical and electronic equipment (EEE). It includes activities dealing with the creation of **art** with waste materials within the frame on the Comenius project "Nature for Humans, Humans for Nature".

2. "ELECTROKRITI":-

The Cultural Club has the important responsibility of keeping their fellow students entertained. It consists of activities like Music, dance and noked natak, etc. Apart from providing a forum for the accomplished singers and musicians of the campus to showcase their talents, it also provides teaching lessons for those interested in learning to play instruments and come up with original compositions.

3. THE SKYWALKERS: Ability to Navigate "HEIGHTS"

The Electronics sports club "**The Skywalker**" is a club for the purpose of playing one or more sports. Every dream needs to be driven by passion to make it come true. This Sports Club is one such dream, formed by keeping sheer passion for the gentleman's. A Sport Club is a student organization formed by individuals motivated by a common interest and desire to participate in a favourite sport activity.

The campus sport club provides recreational participation opportunities and encourages students to try something new. It is a great opportunity for students to make new friends or have a bit of fun while on campus. The activities, which include leagues and tournaments, are all about participating in friendly competitions and learning new skills.

4. ELECTROVATE – Innovate to dominate in electronic world

The Electronics Technical Club “**Electrovate**” is a hobby group that aims to teach and help people understand the seemingly incomprehensible electronic gadgets in the world today, and also assists people in developing their own devices. To this end, various lectures, workshops, projects as well as competitions throughout the year concerning both analog as well as digital electronics keep the calendar busy and the participants, learning. In this rapidly moving world, where everyday a new technology comes into existence, it is extremely hard to keep abreast with all the technical know-how, but if our basic concepts are intact then we can aim for the top. Innovation, Imagination and Application is our motto.

BADDI UNIVERSITY OF EMERGING SCIENCES AND TECHNOLOGY

ELECTRICAL ENGINEERING DEPARTMENT

PROFILE

The department of electrical engineering has been playing a vital role in producing scientists and technologists of highest calibre ever since it was established in the year 2002. In addition to the strong undergraduate programs, the department has been playing a pioneering role in producing world class postgraduates and research scholars. The infrastructure and lab facilities are upgraded from time to time and provide adequate opportunities for students and researchers to learn and innovate.

The department ensures that its students are educated in a manner that will ensure a successful career for each one of them. BUEST has an unbeaten track record of placements for its students due to its highly experienced faculty that keeps itself updated on the latest developments in their field of expertise, as well as its state-of-the-art infrastructure. Job opportunities are available in all the areas of Electrical Engineering such as Junior / Apprentice Engineer in Electrical Industry, Support Engineer, Sales Engineer, IT enabled services, Teaching, Power Protection, Load Dispatch and Load Flow. Distribution Network Supervision, Instrument Calibration, Power Generation and Transmission, Power Controlled Drives, etc. Electrical Engineering students go through several electronics, instrumentation, computer and IT related subjects who make them comfortable to choose electronics, Computer and IT based career. They may also opt these areas for higher studies. In BUEST, EE program, the students are required to do core courses of circuit analysis, electromechanical energy conversion and electrical technology. The labs are fully equipped for circuit & network theorem verification, using function generators and oscilloscopes. A separate electrical machine lab with single phase and three-phase A.C. motors/D.C. motors, various types of transformers, A.C. /D.C. generators and other power measuring equipment is for experimentation.

The department is supported by ten well equipped state of the art labs:

- Basic Electrical Engineering lab
- Electrical Measurement Lab
- Control System lab
- Switchgear & Protection Lab
- Power Electronics lab
- Electrical Machines Lab
- Bio Medical lab
- CAPSA lab
- Transmission & Distribution Lab
- EPQ Lab

Electrical Engineering department offers the following course

- B.Tech in Electrical Engineering
- M.Tech in Power Electronics & Drives
- Ph.D

ACADEMIC ACTIVITIES

SEMINAR/CONFERENCES/WORKSHOP ORGANISED

S.No.	Topic	Organisation	Date
1	Solar Power, PLC & SCADA	Sofcon India Pvt Ltd Mohali.	31-10-2017
2	Recent trends in power system	Gate Guru	24-08-2017
3	Electrical power quality	Gate Revolution	01-09-2017
4	3-Days Workshop on Power Plant Engineering	NPTI, Nangal	26-02-2018 to 28-02-2018
5	1- Day Workshop on Arduino Micro controller	BUEST, Baddi	21-03-2018

GUEST LECTURE'S

S. No.	Name	Organization	Topic	Date
1	Er. Dixit Gupta	M.D. Gate Gurus, Chandigarh.	Advance Power Systems	30-08-2017
2	Er. Ravinder Singh	M.D. Gate Revolution, Chandigarh.	Applications of Soft Computing	08-09-2017
3	Er. Moti Lal Senapati	Asstt. Director (Technical),NPTI, Nangal(Pb)	Hydro electrical plant prime movers	26-02-2018
4	Er. Rajneesh	Asstt. Director (Technical),NPTI, Nangal(Pb)	Thermal power station	27-02-2018
5	Er. Birender Mahajan	Guest Faculty NPTI	Loading of turvo alternator	28-02-2018
6	Er. Sanjay Sharma	NIT Hamirpur	Techno-Economic Analysis of Hybrid	16-02-2018

			Renewable System	
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INDUSTRIAL VISIT

S.No.	Semester	Place	Date
1	3rd	HPSEB Mandhala	28-09-2017
2	5th	Sofcon India Pvt. Ltd. Mohali	06-10-2017
3	7th	Sofcon India Pvt. Ltd. Mohali	06-10-2017
4	4th	HPSEBPL Baddi	21-02-2018
5	6th	HPSEBPL Baddi	21-02-2018
6	6th	Thermal Power Plant, Ropar	27-02-2018
7	4th	Thermal Power Plant, Ropar	28-02-2018
8	8th	Thermal Power Plant, Ropar	28-02-2018

PRE PLACEMENT ACTIVITIES

Pre placement activities are done to increase the employability of the students. During session 2017-18 various sessions were taken by faculty members to make the students employable.

S.No.	Session	Faculty
1	Review of ac and dc circuits	Ms. Ruchika Sharma
2	Transformer and Dc Generator	Ms. Geena Sharma
3	Hydro Power generation	Ms. Ishan Thakur
4	Transmission Systems overview	Mr. Abhinav Dogra
5	Distribution of Power system	Mr. Bhupender Singh
6	Soft computing	Ms. Geena Sharma
7	Measuring Instruments	Ms. Aditi Sharma
8	Solar Engineering	Mr. Narinder Sadana
9	Power System Stability	Ms. Aditi Sharma
10	Stand alone Photovoltaic System	Mr. Abhinav Dogra
11	Power Electronics Drives	Ms. Satish Arora

STUDENTS' ACHIEVMENTS

2014(BATCH)			
S. No	Student Name	Roll No	CGPA
1	Vivek	15LEE004	9.87
2	Anshul Chauhan	15LEE007	9.62
3	Ajay Jaswal	15LEE005	9.14

2015(BATCH)			
S. No	Student Name	Roll No	CGPA
1	Himani	15UEE001	8.29
2	Shubham Thakur	15UME001	8.00
3	Mukesh	16LEE002	7.92

2016(BATCH)			
S. No	Student Name	Roll No	CGPA
1	Ajay Sharma	16UEE007	8.64
2	Kartik	16UEE014	8.60
3	Surain Sharma	16UEE012	7.90

IN HOUSE FDP CONDUCTED

S No.	Faculty Name	Topic Covered
1	Mr. Narinder Sdana	Reactive power flow control
2	Mr. Abhinav Dogra	Stand Alone Photovoltaic System
3	Ms. Geena Sharma	Power quality Issues and Soft computing based assessment
4	Mr. Ishan Thakur	Introduction to smart grid
5	Mr. Satish Arora	Condition monitoring of electrical machines
6	Ms. Ruchika Sharma	Multiphase induction motor drives
7	Mr. Bhupender Singh	Multilevel Inverter in PV Systems
8	Ms. Aditi Sharma	Power system planning

RESEARCH ACTIVITIES

PAPER PUBLISHED /CONFERENCES ATTENDED

Mr. Narinder Sadana

- Narinder Kumar, Ashwani Kumar, "Techno-economic analysis of Non-linear DG penetration in radial distribution systems", *Distributed Generation and Alternative Energy Journal* (Taylor & Francis), Vol. 32 (4), 2017, pp. 54 – 74.

- Narinder Kumar, Ashwani Kumar, "Analysis and mitigation of harmonic distortions during battery charging in distribution systems", *Distributed Generation and Alternative Energy Journal* (Taylor & Francis) – Accepted for publication.
- Narinder Kumar, Ashwani Kumar, "Assessment of non-sinusoidal reactive power of shunt capacitors in the presence of distorted substation voltage in radial distribution systems", *ASEJ* (Elsevier) – Accepted for publication.
- Narinder Kumar, Ashwani Kumar, "Experimental assessment of UPS battery load model considering harmonics and its investigation in the distribution systems", *Materials Today Proceedings Journal*, Elsevier, 5(2018), 709 – 715.

Ms. Geena Sharma

- "Analysis of a DVR with Molten Carbonate Fuel Cell and Fuzzy Logic Control" *Engineering Technology & Applied Science Research*, Vol. 8, No. 2, March 2018.
- "Voltage Sag/Swell Mitigation Using Dynamic Voltage Restorers", Conference in ICETEST February, 2018.
- "Comparison of Different Compensation Devices in Wind Turbine Driven Induction Generator" *International Journal of Advance Research in Electrical Electronics & Instrumentation Engineering*, Volume:6 Issue:5, May-2017.
- "Review on Energy Storage Systems for Mitigation Power Fluctuation in Wind Turbine based Power System" in *International Journal of Trend in Scientific Research & Development* Volume:1 Issue:4, June-2017.
- "Modelling & Simulation of DVR With Active Filter" *International Journal of Advance Research in Electrical Electronics & Instrumentation Engineering*, Volume:6 Issue:6, June-2017.
- "Modelling And Simulation of Dynamic Voltage Restorer" *International Journal of Advance Research in Electrical Electronics & Instrumentation Engineering*, Volume:6 Issue:6, June-2017.
- "THD Reduction & Power Quality Improvement in Grid Connected PV System" in *International Journal of Trend in Scientific Research & Development* Volume: X, June-2017.
- "Different Strategies for Power Quality Improvement in Off Grid Renewable Energy Based Power System" in *International Journal of Trend in Scientific Research & Development* Volume:X, June-2017.

Ms. Ruchika Sharma

- "A Review on Grid Connected Voltage Source Inverter With Power Quality Improvement" *International Journal of Advance Research in Electrical Electronics & Instrumentation Engineering*, Volume:6 Issue:6, June-2017.
- "Power Quality Improvement Using Dynamic Voltage Restorer on E-Z Source Inverter" in *International Journal for Scientific Research & Development* Volume:5 Issue:5, August-2017.

Mr. Bhupender Singh

- “Anti Condensing Electrical Circuit Using Arduino Microcontroller” in International Journal of Engineering Sciences & Research Technology Volume:6 June-2017.
- “Working Operation and Types of Arduino Microcontroller” in International Journal of Engineering Sciences & Research Technology Volume:6 June-2017.
- “Simulation and Comparative Assessment of Slip Power Recovery Scheme” in International Research Journal Of Engineering and Technology Volume:4 Issue:7, July-2017.
- “Modelling and Simulation for Transformer Ratio Controlled Slip Power Recovery Scheme” in International Research Journal Of Engineering and Technology Volume:4 Issue:7, July-2017.

Mr. Satish Arora

- “Comparison of Speed Control of DC Motor Using PID Controller & Optimization Techniques” International Journal of Advance Research in Electrical Electronics & Instrumentation Engineering, Volume:6 Issue:6, June-2017.
- “Comparison of Speed Control of DC Motor Using PID Controller and Various optimization Techniques a Review” IJESC, Volume:7 Issue:7, July-2017.

SPORTS ACTIVITIES

S.No.	Venue	Games	Position	Date
1	IIT MANDI	VOLLEYBALL(G,B) BASKETBALL CRICKET FOOTBALL	NONE	September2017
2	JAYPEE SHIMLA	VOLLEYBALL(G,B) BASKETBALL HANDBALL	HANDBALL (SILVER)	October2017
3	BUEST	CRICKET	WINNER	November2017
4	BUEST	ATHLETIC MEET	JAVELIN(BRONZE) 400M(BRONZE)	Feb2018
5	CHITKARA BADDI	VOLLEYBALL(G,B) BASKETBALL FOOTBALL	VOLLEYBALL(G,B) SILVER	March2018
6	BUEST	VOLLEYBALL(G,B) BASKETBALL FOOTBALL TABLE TENNIS LAWN TENNIS	VOLLEYBALL(B) SILVER	March2018

LIVE PROJECTS

- implementation of arduino based switching Circuit
 - system using Drone
 - Painting using Robotic Arm
 - Mopbot
 - Delta Starter
 - EE
 - Under voltage protection of electrical devices using semiconductor
 - substation
 - display
- Designing &
 - Monitoring
 - Automatic spray
 - Arduino Based
 - Automatic Star
 - LED display of
 - Overvoltage-
 - Micro Solar
 - LED dot matrix

MECHANICAL ENGINEERING DEPARTMENT

PROFILE

Mechanical Engineers deal with concepts such as mechanics, thermodynamics, robotics, kinematics, structural analysis, fluid mechanics and many others. These concepts are applied in the process of designing & developing State-of-the art manufacturing units, different types of motor vehicles, aircraft and aerospace parts and a vast assortment of industrial machinery. Mechanical Engineers also contribute in the development of various engines, power plant equipment, heating and cooling systems and other simple and complex machinery.

ACADEMIC PROGRAMS:

- **Mechanical Engineering Department** offers a full time, four years **Bachelor of Technology** program. The students learn concepts which are applicable in the process of designing & developing state-of-the-art manufacturing units, different types of motor vehicles, aircraft and aerospace parts and a vast assortment of industrial machinery.
- **Master of Technology** in mechanical engineering comes with two specializations:
 - Production Engineering
 - Robotics & Automation
- **Academic Adoption** is a four years program which aims in providing students with hands-on experience in industry while studying in a B. Tech program. Students with good academic record are selected by the industry to work with them while they can attend classes on weekend basis to complete their study schedule.
- **Ph.D** in Mechanical Engineering (regular).

Laboratories:

- Strength of Material Laboratory
- Material Science Laboratory
- Refrigeration and Air Conditioning Laboratory
- Internal Combustion Engines Laboratory
- Fluid Mechanics Laboratory
- Fluid Machinery Laboratory
- Principle of Mechanical Engineering Laboratory
- Theory of Machine Laboratory
- Metrology and Interchangeability Laboratory
- Automobile Engineering Laboratory
- Applied Thermodynamics Laboratory
- Measurement and Control Laboratory
- Computer Aided Design Laboratory
- Heat Transfer Laboratory
- Workshop

GUEST LECTURE:

S.No	Name of Expert	Topic	Affiliation	Class	Date
1.	Ms.VasudhaChaudhary	"AUTOCAD,SOLID WORKS AND PROJECT MANAGEMENT"	PDP Coordinators, Trinity Ltd, Chd.	7 th sem	18-09-2017
2.	Mr.Dixit Gupta	Benefits of GATE preparation	MD) CADD Gate Guru sector-26,Chd.	7 th sem	18-09-2017
3.	Mr.Harinder Singh	Introduction of 2-D and 3-D Designing of softwares in Mechanical Engg.	(MD) CADD CENTRE Panchkula.	7th	02-11-2017
4.	Mr.Ravinder Singh	Benefits of GATE preparation	(MD) Gate Revolution chandigarh.	5th	09-11-2017
5.	Mr.Praveen Kumar Agarwal.	Industrial Best Practices.	Plant Head, India card clothing Ltd. Co Roparroad,Manjholi, Nalagarh.	5 th & 7 th	28-11-2017
6.	Mr.Pankaj	Plastic Engineering and CNC Milling	Tool room Head, Cipat (Baddi)	4 th , 6 th , 8 th	14/02/2018
7.	Prof. Dr. Buta Singh	Material Science and Its Applications	Dean Maharaja Ranjit Singh State University, Bathinda and Dean academics of IK Gujral Technical University jalandhar	4 th , 6 th , 8 th	16/3/2018

WORKSHOPS:

Sr. No.	Topic	Name of Expert	Affiliation	Class	Date
1.	NX CAM Software and CNC Programming	Er. Harinder Singh	Centre Head; CADD Centre (Panchkula)	7 th Sem	18/09/17

INDUSTRIAL VISITS:

Odd Semester			
S.No.	Semester	Place	Date
1	5ME	C.I.P.E.T	1 st Dec 2017
2	3ME	INDOFARM LTD. NALAGARH	19 th Sept 2017

Even Semester			
S.No.	Semester	Place	Date
1	8ME-1	C.I.P.E.T	28/02/18
2	8ME-2	Thermal Power Plant, Ropar	12/3/2018
3	6ME	Thermal Power Plant, Ropar	27/02/18

FACULTY PUBLICATIONS:

Mr. Khushmeet Kumar

- “Heat Transfer and Friction characteristics of artificially roughened duct used for Solar Air Heaters — A review”, Journal of The Institution of Engineers (India): Series C, Springer, ISSN - 2250-0553, July, 2017.
- “Impact of Hygrothermal and Pre-Loading Conditions on Flexural Modulus of GFRP Composites”, International Journal of Scientific & Engineering Research (ISSN: 2229-5518), Vol. 8, no. 6, pp 1096-1099, 2017.
- “Simulated investigation of cutting speed on cutting force and temperature of carbide cutting tool in turning of EN-31 steel”, in national conference on Recent Advances in Engineering and Technology (ISBN-978-93-86558-00-8), held at Maharaja Agrasen University, Kalujhanda (HP), 2017, pp. 167–170.

Mr. Vibhu Sharma

- “Synthesis of Ni-Al₂O₃ Nanocomposite Powder, Its Characterization and Development by HVFS Technique”, International Journal of Latest trends in engineering and technology, ISSN:2278-621X, Dec., 2017.

Mr. Gurpreet Singh

- “Fuzzy Logic Controller For Leg Movement Classification Using sEMG Signal”, International Journal of Advance Engineering and Research Development, Volume 5, Issue 03, March - 2018, pp. 220-226.

Mr. Krishan Kumar

- “Simulated investigation of cutting speed on cutting force and temperature of carbide cutting tool in turning of EN-31 steel”, in national conference on Recent Advances in Engineering and Technology (ISBN-978-93-86558-00-8), held at Maharaja Agrasen University, Kalujhanda (HP), 2017, pp. 167–170.

Mr. Kamaljit Singh

- “Experimental Analysis of Electric Discharge Machining Process Parameter Effect on Surface Roughness of AISI L2 Steel”, International journal and International conference (AFTMME 2017), Spl. Issue (published in 2018) – AFTMME - 2017, pp-077-080.

Ms. Sushma Singh

- “Impact of Hygrothermal and Pre-Loading Conditions on Flexural Modulus of GFRP Composites”, International Journal of Scientific & Engineering Research (ISSN:2229-5518), Vol. 8, no. 6, pp 1096-1099, 2017.

Mr. Vivek Kumar

- “Simulated investigation of cutting speed on cutting force and temperature of carbide cutting tool in turning of EN-31 steel”, in national conference on Recent Advances in Engineering and Technology (ISBN-978-93-86558-00-8), held at Maharaja Agrasen University, Kalujhanda (HP), 2017, pp. 167–170.

ACHIEVEMENTS OF DEPARTMENT:

- A book with title “Analysis of Wear Rate of Heat Treated Concrete Mixer Blades”, has been published in LAP LAMBERT Academic Publishing with ISBN (978-3-330-33640-7) by Mr. Krishan Kumar.
- Technical Session Programme was introduced to students of 8ME by Department of Mechanical Engg. Under the guidance of Dr. Khushmeet Kumar (HOD-ME) and Instructed, Planned and Executed by Mr. GauravChigal (AP-ME) and Mr. Vibhu Sharma (AP-ME) which results a good placement of mechanical students.
- TECH LOGI - 16 March 2018 - Held In Mechanical Engg. Department - A technical Logical Quiz is taken by number of students of various branches of university
- Finite Element Analysis and Application - Expert talk - 19 March 2018 - Held in Mechanical Engg. Department - An expert talk is held by Dr. KailashPrakash (Head and MD Parametric Cadtech, Chandigarh), on various application of ANSYS for core mechanical Engg. Problems.
- Engineers day was celebrated on 15 Sep 2017, by Royal Mechnos technical club in which number of events were organised such as technical Quiz, potato cannon event, project exhibition, and many more were organized.
- Organized educational trip of Auto-Expo 2018 at Greater Noida by students of Mechanical Engineering Department accompanied by Mr. GauravChigal (A.P) and Mr. Vibhu Sharma (A.P).
- Mr. Vijay Sen, Scientist- Engineer from Indian Space research organization (ISRO),Tiruvananthpuram interacted to pre-final and final year students of the department on 6th November, 2017 & delivered a lecture on Importance of Satellite systems.
- Five faculty members attended the 5- Days Faculty Development Program on **Instructional Delivery** Organised by BUEST in Collaboration with NITTTR Chandigarh from 4th -8th Dec 2017.

ACADEMIC PERFORMANCE OF STUDENTS:

B.Tech.

Batch 2014

Bupin ID	Name of Student	Father Name	CGPA	Passing Year	Rank
14UME003	Sowbhagiya Singh Ranaut	Amar Singh Ranaut	9.58	2018	GOLD
15LME007	Vivek Kumar	Tilak Raj	9.10	2018	SILVER
14UME004	Shubham Sharma	Anand Kumar	8.93	2018	BRONZE

Batch 2015

Bupin ID	Name of Student	Father Name	CGPA	Passing Year	Rank
15UME017	Akshay Sharma	Kamal Dev	9.53	2019	GOLD
16LME005	Abhinav	Parmeshwari Das	8.98	2019	SILVER
15UME055	Rajat Gupta	Pawan Gupta	8.30	2019	BRONZE

Batch 2016

Bupin ID	Name of Student	Father Name	CGPA	Passing Year	Rank
16UME022	AmitDadhwal	Satnam Singh	8.38	2020	GOLD
16UME008	AnkushVerma	KuldeepVerma	8.35	2020	SILVER
16UME013	Rajat Sharma	Om Prakash Sharma	8.24	2020	BRONZE

PLACEMENTS:

Sr. No.	Company Name	Number of students selected	Name of students	Package Rs/Annum	Date of placement
1.	Taegutec	01	AnkitRana	3,60,000/	24/02/18
2.	JCB INDIA LTD.	06	Rahul Verma, Shubham Sharma, Sowbhagiya Singh, Vivek Kumar, NalinBhasin, NitishDhiman	3,00,000/	20/03/18
3.	RST Semiconductor	04	Satish, MausamKatnauria, Ajay Patiyal, ShubhamGoswami	1.20,000/	28/03/18

STUDENT'S PROJECTS:

- Design and fabrication of independent suspension system on Baja Vehicle
- Power generation by hybrid system, wind turbine and solar power
- Design and fabrication of solar operated air cooler

- Static Structural Analysis of Seat Belt Buckle, Connecting Rod, Leaf Spring and AC Bracket
- Design and fabrication of hydraulic pipe bending machine
- Solar power assisted vapour absorption system
- To study and fabrication of rotating notice board,
- Design and fabrication of cricket bowling machine
- To fabricate and study the effect of slurry erosion on mild steel
- Fabrication, calibration and performance check of slurry erosion test rig
- Design and fabrication of steering system for an electric vehicle
- fabrication of pneumatic belt conveyer
- Design and fabrication of sand screening machine, design
- Fabrication and testing of RAC system with waste heat

FACILITIES DETAILS

- Geotechnical Laboratory
- Software Laboratory
- Transportation Laboratory
- Computer Centre
- Well Equipped and Spacious Laboratories – 15
- Universal Testing Machine
- Total Station

ACADEMIC ACTIVITY

Conference & Workshop

Sr. No.	Name of Seminar/ Workshop	Date	Invited Speakers
1	Workshop on “Drug Abuse: Menace of Modern World”	10-11 May, 2016	Dr. Rajeev Trehan, Head, Department of Psychiatry; General Hospital, Panchkula. Dr. C. S. Gautam, Head, Department of Pharmacology, Government Medical College and Hospital Prof. Vidhu Mohan, Former Chairperson, Department of Psychology, Panjab University, Chandigarh
2	Workshop on, "Statistical Data Analysis using SPSS"	6 October, 2015	Dr. Ravi K Mahajan, Dr. Kalpana K. Mahajan, Ms. Preeti Rattan, Ms. Kamaljit Kaur from Panjab University, Chandigarh
3	Industry Institute Interaction Meet for LSSSDC Certified Skill Development Programmes	28 September, 2015	Mr. Amar Dixit (Marketing Head, LSSSDC, New Delhi), Mr. Ravindra Dhapola (HR Head, Abbott India Ltd.), Mr. Raman Angra (Head HR, Sentiss Pharma Pvt. Ltd.), Mr. Prahlad Sharma (HR Executive, CIPLA Ltd.), Mr. Dinesh Sharma (HR Head, Fresenius Kabi Oncology Ltd.)
4	Workshop on “Intellectual Property and Innovation Management in Pharmaceutical Sciences” National Research Development Corporation, New Delhi	2 August, 2015	Mr. B. K. Sahu, Deputy Manager, IPR, NRDC, New Delhi and Mr. R. P. Yadav, Senior Patent Attorney, SR4IPR Partners, New Delhi

INDUSTRIAL VISIT

Sr. No.	Date	Year	Date	Name of the Industry Visited	Name of the Faculty Members Visited
1	Ultra Tech Concrete Plant, Bagah	B.Tech (Semester 8CE-I)	20 th February	Ultra Tech Concrete Plant, Bagah	Er. Shashank Gupta
2	NITTR, CHD (Green Building)	B.Tech (Semester 8CE-II)	23 rd February	NITTR, CHD (Green Building)	Er. Shashank Gupta
3	GianNirman RMC (ACC), Karnal	B.Tech (Semester 4CE)	22 nd March	GianNirman RMC (ACC), Karnal	Er. Rohit Sharma
4	Ganguwal Dam, Anandpur	B.Tech (Semester 6CE)	28 th March	Ganguwal Dam, Anandpur	Er. Sandeep Saharan
5	Nuvoco RMC Plant, Baddi	B.Tech (Semester 4CE)	4 th April	Nuvoco RMC Plant, Baddi	Er. Rohit Sharma
6	Shivalik Solid Waste Plant, Nalagarh	B.Tech (Semester 8CE-I)	10 th April	Shivalik Solid Waste Plant, Nalagarh	Er. Girish Sharma

EXPERT LECTURES

Sr. No.	Type	TOPIC	Month
1	IGBC	Student Chapter Launch	8 th Feb, 2018
2	Mr. Sanjay Sharma (NITTR, Chandigarh)	Construction Management (Green Building)	23 rd Feb, 2018
3	ACC Cement	Concrete & Cement	26 th Feb, 2018
4	Mr. B.B Khullar (Retd. Engineer-in-Chief)	Hydro Electric Power Plant	16 th March, 2018
5	CIZ, CHD	Recent Innovations in Bridge Construction	21 st March, 2018
6	Gate Revolution	Recent changes in Gate Exam	15 th April, 2018

7	Engineers career Group	Prestressed Concrete Structure	20 th April, 2018
8	Er. Jasbir Singh, J.E, HPPWD Section Barotiwala	Design & Analysis of Rigid Pavement	19 th Jan, 2018
9	Er. Rohit Sharma FDP	Self Compacting Concrete	01 st Feb, 2018
10	Er. Girish Sharma FDP	Replacement of Coarse aggregate with steel slag	30 th March, 2018
6	Gate Revolution	Recent changes in Gate Exam	15 th April, 2018
7	Engineers career Group	Prestressed Concrete Structure	20 th April, 2018
8	Er. Jasbir Singh, J.E, HPPWD Section Barotiwala	Design & Analysis of Rigid Pavement	19 th Jan, 2018

CONSULTANCY WORK

Sr. No.	Name of Company	Name of contacted person	Address	Status
1	Indorama	Mr. ShubhamAttri	Baddi	Conformation Awaited
2	Secure Meter	Mr. RPS Thakur	Barotiwala	Conformation Awaited
3	Engineer Rendezvous	Mr. Rajesh Nadda	Barotiwala	Conformation Awaited
5	Asian Cement	Mr. Harish Aggarwal	Nalagarh	Conformation Awaited

6	Baddi Foils	Mr. Khurana	Nalagarh	Confirmed
7	Arora Builders Delhi	Mr. Rajkumar Arora	Baddi	Confirmed

PROJECT BASED LEARNING

- ▶ Construction of BUEST logo on Brickwork Column near car parking. Design, Drawing and Planning of the model has been done and rest of work will be completed in next semester. Requirements : Construction Cost of Brickwork Column i.e. Rs 15,000
- ▶ Construction of Civil Engineering Department model in RCC. Foundation & Column of the model have been laid and slab will be casted in upcoming semester. Requirement : Construction Cost: Rs 5000
- ▶ Students are going to Chandigarh on Saturday & Sunday for visiting various construction sites for case study of latest innovations in construction techniques. Requirements : TA & DA for students going to Chandigarh @ Rs 150 per student
- ▶ Construction of tower model by using steel angles and bolted connections. Planned for next semester. Requirement : Construction Cost i.e. Rs 5000

DEPARTMENT OF COMPUTER APPLICATIONS

PROFILE

The Department of Computer Applications at SEET was established in the year 2008 with a vision to educate the youth who have zeal to explore the aspects of Computing, to make them responsible global citizens and future leaders through a challenging learning environment informed by avant-garde scholarship. Being the part of Baddi University we are deeply committed to serve the country and the citizens. We realize our responsibility to bring knowledge and innovation home to elevate the quality of lives of those who have shown faith and priceless understanding through the years. This measure of public trust and shared responsibility guides our decision-making as well as our vision for the future.

1. Academic Programs:

2. BCA(3 years)
3. MCA(3 years)
4. MCA(Lateral entry-2years)

Faculty:

Assistant Professor-1

2. Achievements:

Ms. Mrinal Sharma Went as an" Interview board member" at ESIC regional office, Baddi ,HP for the post of IT manager and IT Assistant.

3. Papers Published:

Mrinal Sharma:

Various Aspects having arousin affect of Multithreaded Java Applications on legion core systems

in Biz and Bytes- A journal of Management &Technology 2017,Vol.7,Issue1,2016 E-ISSN

4. Collaboratios(MOU's):- Academic alliance with EMC2 and Infosys Campus connect.

5. Conference:- Nil

6. Educational Trip:-BCA/MCA students went to educational trip to GOA-Mumbai from 22nd Jan to 29th Jan 2017

7. Workshops/Seminars/Invited Talks organized:-

- A workshop on Spoken Tutorial by IIT Bombay was organized from 31st Jan' 2017 to 10th Feb'2017.

SPOKEN TUTORIAL IIT BOMBAY FOSS WORKSHOP & ASSESSMENT DETAILS PROGRAM.

Baddi University of Emerging Sciences and Technology						
Academic Calender For Year 2016-17						
DATE	DAY	Events	Time	REMARKS	VENUE	FACULTY
CA						
31-Jan-17	TUES	WORKSHOP ON C & C++(4BCA)	9:55 am - 11:45 am	VP LAB	LAB-403	MS. NIKITA
01-Feb-17	WED	WORKSHOP ON BASIC IT SKILLS (2BCA)	9:55 am - 11:45 am	IA LAB	LAB-403	MR. RAJESH
01-Feb-17	WED	WORKSHOP ON C & C++(4MCA)	1:35 PM - 3:25 PM	RDBMS LAB	LAB-403	MS. RUCHIKA
02-Feb-17	THUS	WORKSHOP ON BASIC IT SKILLS (2MCA)	2:30PM -4:20 PM	OOMP LAB	LAB-403	MS. ANCHAL
03-Feb-17	FRI	WORKSHOP ON C & C++(6BCA)	2:30PM -4:20 PM	MP LAB	LAB-403	MR. MANOJ
08-Feb-17	WED	WORKSHOP ON C & C++(2BCA)	9:55 am - 11:45 am	IA LAB	LAB-403	MR. RAJESH
08-Feb-17	WED	WORKSHOP ON JAVA & NET BEANS (4MCA)	1:35 PM - 3:25 PM	RDBMS LAB	LAB-403	MS. RUCHIKA
09-Feb-17	THUS	WORKSHOP ON C & C++(2MCA)	2:30PM -4:20 PM	OOMP LAB	LAB-403	MS. ANCHAL
10-Feb-17	FRI	WORKSHOP ON JAVA & NET BEANS (6BCA)	2:30PM -4:20 PM	MP LAB	LAB-403	MR. MANOJ

- The department organized a workshop on "4G Broad Band" in the month of March'2017 by Ms. Mrinal Sharma
- The Department organized a workshop on Google Glass in the month of April'2017 by Ms. Anchal.
- 2 day Workshop on cloud Computing was organized in collaboration with CSE/IT on 5th and 6th April'2017.
- 3-Day Workshop on "Android App Development" in Collaboration with Click Labs , Chandigarh" was organized.
- Workshop on "Acadview in Backend Python" has been organized from 12th June to 30th July 2017.
- Workshop on Green Cloud has been organized in the department in the month of September'2017.
- A webinar was organized in the department on Python sponsored by Kaplan Early learning company in collaboration with Ed-web.
- Workshop on Soft Computing has been organized in the department in March'2018.

8. Achievement of Students:-

Students of MCA department went to companies and made projects in different technologies.

Name	Roll No.	Name of Project
Jasvir Singh	14PCA002	Gym Management System/ PHP
Vijay Kumar	14PCA003	Barcode Integrated Library System/Android SDK/mysql, sql lite/BootStrap, HTML5, CSS3
Shikha Sharma	14PCA004	Bus depot database management system SQL SERVER & ORACLE 11g.
Shivani	14PCA005	Home Automation System/Android Advance java and Sql
Kritika Sharma	14PCA009	Sentiment analysis in Twitter/Big Data & Data Analytics with R language, Data mining and Machine learning
Amita Kumari	14PCA010	Connect globe/Android Advance java and Sql
Prikshit Jasrotia	14PCA012	App & Barcode based visitor reporting system /Java Enterprise /Bootstrap, Html, CSS3/Android SDK
Abhishek Gupta	14PCA014	Apache Spark : Real Time Marketing Analysis /Python, Pig, Hive, Impala, Scala, MySql, spark/Hadoop, MapReduce
Bharti	14PCA016	Digital Marketing Online
Pallavi Pundir	14PCA017	Small And Medium Business Enterprises: A study on different age-groups/ Open Source Statistical software /MySql database
Muneesh Kumar	14PCA018	SMS based Mobile Application (Android).
Vidya Devi	15LCA001	The Galaxy Hub/PHP
Monika Chandel	15LCA002	PICKJOB/PHP
Daleep Pamta	15LCA003	Aadhar Seva/JSP and Servlets
Jyoti Sharma	15LCA004	Sentiment analysis in Twitter/Big Data & Data Analytics with R language, Data mining and Machine learning

9. Industrial Visit:-

1. BCA/MCA students were taken to Camlin Ltd for an industrial visit on 28th Jan, 2017. The students had an interactive session with, Head HR and Admin.
2. CA department organized an Industrial visit for MCA students to Piford Technologies on 13th September'2017.
3. CA department organized an Industrial visit for BCA/MCA students to PiSOFT informatics pvt ltd. on 13th October'2017.
4. CA department organized an Industrial visit for BCA and MCA students to CS Soft Solutions on 26th Feb '2018.

SCHOOL OF PHARMACY & EMERGING SCIENCES

PROFILE

School of Pharmacy & Emerging Sciences (SPES) has been started at Baddi University in 2007 to provide quality education, training and carry out research in Pharmaceutical Sciences. SPES is located in one of the hub of Pharmaceutical Industry of India.

India, being one of the top three pharmaceutical manufacturing countries in the world, has ample opportunities for the professionals with skills in pharmaceutical sciences. SPES is providing skills to young students in pharmaceutical manufacturing, dispensing drugs and

community pharmacy to provide information on safe & effective use of drugs, drug-drug interaction, toxicity of drugs and dosage regimen for patients.

SPES has state of art infrastructure for training students on manufacturing and quality control testing of drugs and their formulations. It has 15 modern, spacious laboratories with latest equipments: HPLC, FTIR, UV-Vis spectrophotometer, Gel electrophoresis, Karl-Fischer titrimeter, Tablet compression machine etc. SPES has spacious lecture halls with multimedia projectors, advanced computer and language laboratories, animal house and herbal garden. The library of the school is enriched with more than 5000 books, 100 National & International journals and study material in the form of CDs.

The performance of SPES is attributed to its highly qualified faculty from globally recognized Indian universities with 5 doctorates in pharmaceutical sciences and more than 5 faculty members are on the verge of completion. The research profiles of SPES faculty members as observed with their more than 300 research publications and 18 patents reflect the international status. The major areas of research of the school are –

- Synthesis of Novel medicinal agents – Benign Prostate Hyperplasia, Neuromuscular blockers, Polymeric prodrugs for Cancer, Anti-malarial drugs, Nitric oxide releasing analogues of drugs.
- Organ specific targeted drug delivery.
- Novel drug deliveries for solubility enhancement & control release.
- Drug metabolic studies.
- Pharmacological evaluation of herbal products.
- Analytical Method development and Validation
- Isolation, characterization & development of active constituents from medicinal plants.

SPES has best academic performance – more than 90% results in B. Pharmacy and 100% in M. Pharmacy. A Premier Pharmacy Institute in the hub of pharmaceutical industries at Baddi.

The students of SPES are well placed in pharmaceutical industry with around 90% campus placement. Throughout year, SPES also motivate the students by conducting regular expert lectures from Industry & Academia, workshops & training, quiz programs and cultural events. An association of students of SPES is in place as Baddi University of Pharmaceutical Association (BUPA) which actively conduct academic, sports and cultural activities. SPES being accredited by the Life Sciences Sector Skill Development Council (LSSSDC) has started Skill development programs in pharmaceuticals from Jan. 2016.

Recently, School of Pharmacy & Emerging Sciences has been adjudged as **Top Emerging Pharmacy Institute by AICTE-CII Survey of Industry-Linked Technical Institutes of India**. (5th University Industry Congress Global Higher Education Summit & Expo, 2-3 December, 2015)

ACADEMIC PROGRAMS

- **B. Pharmacy**, Four years programme, approved by AICTE, New Delhi and Pharmacy Council of India, New Delhi.
- **Master of Pharmacy** offered by the University is two years degree programme with specialization in Pharmaceutics and Pharmaceutical Chemistry.
- **Ph. D.** programme in Pharmaceutical Sciences.

FACILITIES DETAILS

- Well Equipped and Spacious Laboratories – 15
- Central Sophisticated Instruments Laboratory (CSIL)
- Industrial Prototype Laboratory
- CPCSEA approved Animal House
- Novel Drug Delivery Research Laboratory
- Synthetic Polymers and Medicinal Chemistry Research Laboratory
- CADD & Pharmacoinformatics Laboratory
- Computer Centre

ACADEMIC ACTIVITY

Conference & Workshop

Sr. No.	Name of Seminar/ Workshop	Date	Invited Speakers
1	Workshop on “Drug Abuse: Menace of Modern World”	10-11 May, 2017	Dr. Rajeev Trehan, Head, Department of Psychiatry; General Hospital, Panchkula. Dr. C. S. Gautam, Head, Department of Pharmacology, Government Medical College and Hospital Prof. Vidhu Mohan, Former Chairperson, Department of Psychology, Panjab University, Chandigarh
2	Workshop on, "Statistical Data Analysis using SPSS"	6 October, 2017	Dr. Ravi K Mahajan, Dr. Kalpana K. Mahajan, Ms. Preeti Rattan, Ms. Kamaljit Kaur from Panjab University, Chandigarh
3	Industry Institute Interaction Meet for LSSSDC Certified Skill Development Programmes	28 September, 2017	Mr. Amar Dixit (Marketing Head, LSSSDC, New Delhi), Mr. Ravindra Dhapola (HR Head, Abbott India Ltd.), Mr. Raman Angra (Head HR, Sentiss Pharma Pvt. Ltd.), Mr. Prahlad Sharma (HR Executive, CIPLA Ltd.), Mr. Dinesh Sharma (HR Head, Fresenius Kabi Oncology Ltd.)
4	Workshop on “Intellectual Property and Innovation Management in Pharmaceutical Sciences” National Research Development Corporation, New Delhi	2 August, 2017	Mr. B. K. Sahu, Deputy Manager, IPR, NRDC, New Delhi and Mr. R. P. Yadav, Senior Patent Attorney, SR4IPR Partners, New Delhi

INDUSTRIAL VISIT

Sr. No.	Date	Year	Semester & No. of Students Visited	Name of the Industry Visited	Name of the Faculty Members Visited
1	18-21 February	2016	8th Semester	Sharon Biomedicine & Forest Research Institute. Dehradun	Mr. Nitin Sharma Ms. Swati Sareen
2	5-7 February	2016	2nd and 4th Sem. M.Pharmacy & 6th Sem. B.Pharmacy	Mankind Research Centre, Manesar, Gurgaon	Dr. Nitin Verma Dr. Saahil Arora Dr. Arti Thakkar Dr. Ravinesh Mishra
3	29th October	2017	7th Sem. B.Pharmacy	Macleods Pharma. Ltd, Baddi	Mr. Nitin Sharma Ms. Gurpreet Kaur .
4	01, October	2017	5th Sem and 33 Students	Alkem Laboratories Ltd. Baddi	Dr. Ravinesh Mishra and Ms. Chand Kaur
5	11, September	2017	3rd Sem and 60 Students	Cipla Ltd. Baddi.	Mr. Sahil Kumar and Ms. Chand Kaur
6	03, September	2017	1st Sem and 41 Students	Dr. Reddy's Laboratories Ltd. Baddi.	Dr. Nitin Verma and Ms. Deep Darshan Kaur

EXPERT LECTURES

Sr. No.	Name	Designation	Company/ University Name	Date of Lecture	Topic
1.	Mr. Ravi Kumar M.	Application Scientist	Schrödinger	21/04 /2017	Advances of Computational methods in drug discovery
2.	Dr Vineet Kapur, M.D.	Physician, Neurologist, Radiologist	Former Faculty at The Ohio State University Medical Centre, USA	11/04 /2017	Brain injury
3.	Professor R.S.R. Murthy	Professor	Former Chairman, Pharmacy Department, Faculty of Technology and Engineering, The M.S.	16/03 /2017	Nanotechnology in Drug Delivery: An Industrial Perspective

			University of Baroda, Vadodara		
4.	Mr. N. Ganesh	Head, Microbio. Deptt.	Sentiss Pharma. Baddi	08/03 /2016	Microbiological Testing in Ophthalmics
5.	Prof. Mandeep Sachdeva	Professor	Florida A & M University, USA	19/02 /2016	Overcoming the Barriers in Solid Tumors by Novel Delivery System.
6.	Dr. Anil Kanujia	Head R& D	Ayurved Ltd. Baddi	09/02 /2016	Quality Aspects in Herbal Drugs: Challenges and Way- Forward.
7.	Dr. Pradeep Gupta	Professor	Philadelphia College of Pharmacy, Philadelphia	19/11 /2015	Design of Growth Hormone Binding Peptide
8	Dr. Pritesh Bhatt	Application Scientist	Schrödinger	14/09 /2015	“Development in Computational Drug Designing”
9	Prof. M.R. Yadav	Chairman, Pharmacy Deaprtment	The M S University of Baroda, Vadodara,	15/09 /2015	“Site Specific Chemical Delivery Systems”
10	Prof. V.K. Kapoor	Former Dean and Chairman	UIPS, Panjab University Chandigarh	12/08 /2015	Pharmacy Career and Scope. Stereochemical Aspects of Drugs.

PUBLICATION BY FACULTY

Prof. Tilak Raj Bhardwaj

- “Design of Novel Cinnamylidene-2, 4-Thiazolidinediones as Aldose Reductase Inhibitors Using Molecular Docking”. “Emerging Trends in Pharmaceutical Sciences”, ISSN No. 2455-7919, 2016, Vol. 1, pp.36-43
- “Quantitative Infrared Spectroscopy, Derivative Spectroscopy and Non-Aqueous Titration Method Development and Validation for Novel Prodrug of Ibuprofen”. “Emerging Trends in Pharmaceutical Sciences”, ISSN No. 2455-7919, 2016, Vol. 1, pp.23-30
- “Design, Synthesis and Evaluation of Antimalarial Potential of Polyphosphazene Linked Combination Therapy of Primaquine and Dihydroartemisinin”. “European Journal of Pharmaceutical Sciences”, ISSN No. 0928-0987, 2015, Vol. 66, pp. 123-137.
- “Design, Synthesis and Evaluation of Antimalarial Potential of Polyphosphazene Linked Combination Therapy of Primaquine and Dihydroartemisinin”. “European Journal of Pharmaceutical Sciences”, ISSN No. 0928-0987, 2015, Vol. 66, pp. 123-137.

- “Recent advances in novel heterocyclic scaffolds for the treatment of drug-resistant malaria” “Journal of Enzyme Inhibition and Medicinal Chemistry” 2015, ISSN No. 1475-6366. DOI: 10.3109/14756366.2015.1016513
- “Role of Polymer Drug Conjugates in Organ Specific delivery systems” in “Journal of Drug Targeting”, 2015. ISSN No. 1029-2330. DOI: 10.3109/1061186X.2015.1016436
- “Synthesis and Evaluation of Substituted Poly(organophosphazenes) as a Novel Nanocarrier System for Combined Antimalarial Therapy of Primaquine and Dihydroartemisinin” Pharmaceutical Research, 2015, ISSN No. 0724 8741.Vol. 32 pp. 2736–2752
- “Recent Advances in Polymer Drug Conjugates” Mini review in Medicinal Chemistry, 2015. **ISSN: 1875-5607** (In press).
- Patents : Indian : 01 (Filed)
- “Lactobionic Acid Conjugated Polyphosphazene Based Nanodelivery of Primaquine For Liver Targeting To Check Antimalarial Activity.. Application No. 533/DEL/2015. 13 March, 2015

Dr. Nitin Verma

PROJECTS SUBMITTED

S. No.	Name of the Project	Total Cost	Duration of Project	Agency	Status of the Project
1.	Development of Pharmacognostical Monograph and Phytochemical Screening of Some Endangered Medicinal Plant Species in Himachal Pradesh.	3,00,000/-	2 Years	DST, Himachal Pradesh	Screened by Internal Scrutiny Committee and selected for Presentation.
2.	Radioprotective Effect of Some Ayurvedic Rasayana Formulations for the Treatment of Cancer	28,70,270/-	3 Years	CCRAS, AYUSH New Delhi.	Submitted on 11.05.2016

Membership of professional bodies and scientific societies

- Dr. Nitin Verma become a member of International Association of Therapeutic Drug Monitoring & Clinical Toxicology (IATDMCT), Canada.
- Dr. Nitin Verma become a member of Society of Toxicology (SOT), Reston, VA

Workshops and training programs attended

- Completed NPTEL Online course on “Mass Spectrometry Based Proteomics” from IIT, Mumbai.

- Attended three days workshop on "Human Values and Professional Ethics" at Baddi University of Emerging Sciences and Technology Baddi on 15-17th February, 2016.
- Attended one day workshop on "Intellectual Property and Innovation Management" at Baddi University on 26 August, 2015.
- Attended one day workshop on "IPR Clinic: Patent, Copyright Drafting Filing and Design Registration", on 16th January 2015, organized by IPR Nodal Cell for PSCST, Chitkara College of Pharmacy, Chitkara university Panjab.

Research publications

- Current regulatory challenges and approaches in the registration of herbal drugs in Europe, Clinical Research and Regulatory Affairs, (Taylor & Francis) DOI:10.3109/10601333.2016.1130717.
- Chemistry & Biology of Genus *Wedelia*: A Review, Indian Journal of Natural Product Resources, (CSIR), 6 (2), 71-90.

Research papers communicated

- Spectral and Chemical Studies on Diosgenin from *Costus speciosus* (Koeing) Sm. Rhizomes and its effects on Brain Neurotransmitter and Enzyme Monoamine oxidase following Cold Immobilization Stress. The Natural Product Journal (Bentham Science).
- Antinociceptive Activity of Ethanolic Extract of *Wedelia chinensis*. Ancient Science of Life.
- Pharmacognostical, Physicochemical, Preliminary Phytochemical Standardization and HPTLC studies of *Wedelia chinensis* Leaves. South African Journal of Botany (Elsevier).

Research papers presented in conferences and symposium

- "Evidence Based Alternative and Complimentary System of Medicine In India and China: Challenges and opportunities" presented in **National Conference cum workshop on "Exploration of Himalayan Natural Wealth for Drug Discovery" on April, 22-23, 2016, organized by** School of Pharmaceutical Sciences, Shoolini University, Solan in association with Department of Science & Technology.
- "Importance of Nanotechnology-Based Drug Delivery Systems for Herbal Medicines" presented in National Seminar on Pharmaceutical Nanotechnology: Current Scenario and Future Prospects" February 27, 2016 organized by PCTE group of Institutions, Ludhiana in association with I K Gujral Panjab Technical University, Jalandhar.
- "Academic Adoption Programme: A Synergy between Academic and Industry Partnership" presented in 20th Annual National Convention (APTICON 2015), Association of Pharmaceutical Teachers of India, on "Strategic Approaches to Strengthen Academic and Industrial Collaboration" October 9-11, 2015 organized by Pharmacu Colleges of M.P., at Jiwaji University Indore, M.P.

- "Safety, Efficacy, Quality Control, Marketing and Regulatory Guidelines for Herbal Medicines (Phytotherapeutic Agents)", presented in *1st Industry-Academia Interaction Seminar on "Quality Standards In Herbal Drug Industry- Challenges and Future Course"* on 13-14, February, 2015, organized by Sri Sai College of Pharmacy, Badhani-Pathankot, India.
- "Recent Advances In Analysis Of Indian Medical Plants and Traditional Medicines" presented in *International Conference on Global Trends in Pharmaceutical and Clinical Practices* on 7th February, 2015, organized by Teerthanker Mahaveer College of Pharmacy, TMU, Moradabd in collaboration with Department of Science and Technology, Government of India, New Delhi.
- "Importance and Pharmaceutical Applications of Various Natural Gums, Mucilages and their Modified Forms in Drug Delivery System " presented in *one day Symposium on 'Emerging Trends in Pharmaceutical Sciences'* on 6th February, 2015, organized by University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh.

Awards and Achivements

Dr. Nitin Verma Selected as CPCSEA Nominee from **Ministry of Environment Forest and Climate Change, Govt. of India, New Delhi.**

Dr. Ravinesh Mishra

- "RP-HPLC Method Development for the Estimation of Rosiglitazone and Glimepiride in Bulk and Tablet dosage form" "ALLY J. Pharma. Sci." 2015
- "Design and synthesis of pyrimidine molecules endowed with thiazolidin-4-one as new anticancer agents" "European Journal of Medicinal Chemistry". 2015.
- "A RP-HPLC Method Development for the Estimation of Pioglitazone and Glimepiride in Bulk and Tablet Dosage Form" "ALLY J. Pharma. Sci." 2015.

DEPARTMENTAL ACHIEVEMENTS

- SPES has published first volume of Biannual Journal "**Emerging Trends in Pharmaceutical Sciences**" having ISSN: 2455-7919.
- SPES has been **adjudged as Top Emerging Pharmacy Institute** by AICTE-CII Survey of Industry-Linked Technical Institutes of India. (**5th University Industry Congress Global Higher Education Summit & Expo**).
- **Pharmacy Council of India** has approved extension of B. Pharmacy affiliation for next three years (September 2017) and also inspected in June, 2016 for increase in Intake to 100 seats.
- All India Council for Technical Education (**AICTE**) has **approved** B. Pharmacy course (100 seats) for academic year **2017-18**.
- SPES has **registered** for Committee for the Purpose of Control and Supervision of Experiments on Animals (**CPCSEA**).
- The research profiles of SPES faculty members reflect the international standards (more than 300 research publications and 18 patents).

- Prof. T. R. Bhardwaj, Dean, SPES was invited as Chairperson of technical session while Prof. Saahil Arora, Head, SPES and Dr. Arti R. Thakkar, Associate Prof. SPES, were invited as resource persons at 2nd annual convention of Association of Pharmaceutical Teachers of India (APTI), Punjab State Branch, Government polytechnic college, Patiala on 18-19 March, 2016.
- Seven research projects were presented in the form of poster by M. Pharmacy second year students at two days conference at 2nd annual convention of Association of Pharmaceutical Teachers of India (APTI), Punjab State Branch, Government polytechnic college, Patiala on 18th – 19th March, 2016. Ms. Alka Sharma, M. Pharm. 2nd year student bagged third prize in poster competition.
- SPES has formed a **Baddi University Pharmaceutical Association (BUPA)** for alumni of SPES students and to promote professional, academic, sports, cultural, and social activities amongst its members.
- The first batch of LSSSDC certified Skill Development Programme in Production Chemist for B. Pharmacy students of SPES is completed in June, 2016.
- BUPA has organized a “Bragging Brain (Quiz Competition)” to honor People’s President Late Dr. A P J Abdul Kalam’s birthday anniversary on 15th October 2015.
- In line with Indian Pharmaceutical Association (IPA), SPES under the banner BUPA celebrated 54th National Pharmacy Week from 15-21 November, 2015. Various events such as:
- SPES has organized “Public Awareness Rally on DRUG ABUSE” with a National agenda “MAKE INDIA DRUG FREE” at Baddi as well as Nalagarh. Mr. Navneet Marwaha, State Drugs Controller H. P. flagged off the rally from the premises of State Drugs Controller, Baddi to the main market Baddi and Nalagarh.
- Blood Donation Camp was organized in association with Rotary Club, Chandigarh.

EXPERTS VISIT FROM INDUSTRY & ACADEMIA

- Mr. Sanjog from CSR team of CIPLA Foundation, Mumbai has visited SPES on 9th of June, 2016 for exploring QIP programme under CIPLA CSR program.
- Mr. P Krishna Sai, Senior HR Manager, Hyderabad and Ms. Puja Sharma, HR manager, Baddi, Dr Reddy’s Lab Ltd. visited SPES (on 8th January 2016) for possible collaboration with SPES specifically related to enrollment of Dr Reddy’s employee for B. Sc. and LSSSDC-Skill Development Programme.
- Mr. Anurag Mishra, CSR Head, CIPLA Ltd visited SPES on 16th November 2015 to explore the possibility of education for their employees.
- Prof. S. K. Gabhe, Former Head, SNDT, Mumbai and Professor, Poona College of Pharmacy visited SPES on 6th September 2015 as an expert from AICTE-CII survey committee.

STUDENTS’ ACHIEVEMENT

Sr. No.	BUPIN	Name	Father’s Name	CGPA	Passing	Award
1	11UPH035	PRIYANKA RANA	JASWANT SINGH	9.77	2015	
2	11UPH033	NIYATI DOGRA	SADA RAM DOGRA	9.66	2015	

3	11UPH032	NIHA RAWAT	TEJVEER SINGH	9.63	2015	
4	12UPH027	RAHUL TRIVEDI	SANJAY KUMAR TRIVEDI	9.78	2016	
5	12UPH032	SHIVANK RANA	ARJUN SINGH RANA	9.48	2016	
6	12UPH014	DIVYA ARORA	GARISH ARORA	9.40	2016	
7	14PPH001	RAVNEET KAUR	JAGTAR SINGH RANA	9.71	2016	
8	14PPH002	SARAJ KUMARI	SANT RAM	9.47	2016	
9	14PPH011	DEEPIKA SHARMA	PURSHOTAM SHARMA	9.47	2016	
10	13UPH034	AAKRITI GARG	VINOD KUMAR	9.87	2017	
11	13UPH024	RICHA TYAGI	RAJINDER KUMAR TYAGI	9.87	2017	
12	13UPH035	SHWETA TANWAR	BHARAT BHUSHAN	9.72	2017	
13	13UPH033	ADITI KRISHAN	ANIL KUMAR	9.60	2017	
14	14UPH050	MEHAK JINDAL	SANJAY JINDAL	9.86	2018	
15	14UPH042	RANI JINDAL	RAMAN KUMAR	9.82	2018	
16	14UPH041	GAYTRI KUMARI	RAMAN KUMAR	9.74	2018	
17	15UPH030	AMRITA	PARDEEP KUMAR	10	2019	
18	15UPH062	SHUBHAM	CHAND MOHAN	9.49	2019	
19	15UPH064	SURAJ RAUNIYAR	ASHOK RAUNIYAR	9.37	2019	

SCHOOL OF MANAGEMENT STUDIES

PROFILE

The School of Management Studies (SMS) holds the vision of shaping leaders for exigent corporate houses the world over. Since its inception, the school has set standards to help in shaping proficient management students to reach the supreme echelons in the professional world.

SMS aims to create an environment in which students undergo the process of empirical learning through exposure to a range of real world practical problems and utilizing opportunities to apply learned skills in diverse business situations. The project-based learning combined with lectures, case studies, role plays, industrial visits, business games etc. help in learning activities that are long-term, interdisciplinary, and integrated with real world issues and practices. Students are encouraged to work with people of different backgrounds which help in the refinement of skills, and give them an edge over others at the time of summer training and final placements.

ACADEMIC PROGRAMMES

- **BBA** programme inculcates in students the skills of management through a real-world curriculum in order to prepare them for managing every aspect of a business, and for its growth and stability, depending on the overall goals.
- **B.Com** is one of the most rewarding and promising careers for young aspirants interested in pursuing career in finance and accounts. It will equip students with the knowledge and skills necessary to compete successfully for challenging positions in industry. Our endeavor is to sensitize students to be a thinker and problem solvers, should be able to contribute where ever they work.
- **Master of Business Administration** program offered by the University is a two year degree program. The aim of **SMS** is to make this education relevant to the global needs. The course is designed equip students with a range of analytical, strategic, leadership & business skills that help them operate successfully in the corporate environment. The program offers ample choice of Major and Minor specializations in any of the two selected areas such as:
 - Marketing Management
 - Finance Management
 - Human Resource Management
 - Real Estate Management
 - Retail Management
 - Hospitality & Tourism Management
 - Pharmaceutical Management (in association with Abbott Health Care Pvt. Ltd.)
- **Ph.D** Regular

INDUSTRY INSTITUTE PARTNERSHIP PROGRAMME

Industry Institute Partnership forms an important activity for any academic institute as its stakeholders interact with the real world. The students are benefited due to exposure to current industry practices, updating are possible as and when changes occur in technology, teaching faculty get sensitized to the latest practices leading them to blend real-time exposure with usual theoretical teaching methods.

On successful interaction, Industry may realize that Academia has more to offer by way of solving their short term and long term technical problems, provide a manpower resource pool with good industry orientation and a source for updating the knowledge sets of its personnel. Industries and Technical Institution have a strong mutuality of interest which forms the basis of a partnership between them to bridge the gap between the Institution and Industries. IIP CELL aims at effective, frequent and mutually beneficial interactions with Industry and establishing and exploring links with industries for the development of the Institute.

Event/Program	Topic	Date
HR Conclave	HR Challenges in Changing Workplace Culture, Values and Ethics	27 th February 2018

CII Yi	Book Train Event In collaboration with Cii-yi Yuva Chaupal	27 th October 2017
CII Yi	Swachta hi sewa	5 th October 2017
Prabandhotsav 2018	Ocean of Creativity	23 rd March 2018

• **Consultancy Services**

S. No.	Topic	Status
1	Grant received from ICSSR for project on ' Impact analysis of world heritage site designation on local culture and future- A Study of great Himalayan national park	Draft finalized
2	Industrial grants received for survey project on conversion of paint sludge management into industrial primer	Confirmation awaited

ACADEMIC ACTIVITIES

Seminars/Conferences/Workshops organized

National Conference was organized on Influence of Social sciences on Business Management on 20th November, 2017. Dr. Sanjay Paswan was the chief guest of the conference. Dr. Badar Alam Iqbal shared his valuable views on India's FDI Policy: A Managerial Prospective. Dr. Ravi Kiran Professor School of Economics and Finance, Thapar University and Mr. Y.S Guleria were the session chair for the conference.

GUEST LECTURES

In today's scenario management course is no longer about an exhaustive curriculum, an increasingly competitive business landscape demands exposure beyond books. Industry Interface is perhaps the most critical differentiator for management institutions worldwide. The school strongly believes in establishing a firm foundation for corporate interface through inviting eminent individuals from industry to interact and share their experiences with students and faculty members regularly.

Date	Guest Speaker	Designation	Organization	Topic
9/2/18	Mr. Dinesh Kumar Sharma	Senior Manager - Accounts	Glenmark Pharmaceuticals Limited	Costing System Implementation In Manufacturing Concern

INDUSTRIAL VISITS

Industrial visits are a crucial part of MBA curriculum. It provides an opportunity to the students to comprehend the actual implementation of industry and get exposed to various work cultures

and guidelines followed by the industry. The students at SMS Department have visited following companies in session

Date	Name of Company	Class	Semester	Faculty Accompanied
11/10/18	Godrej Consumers Pvt. Ltd	MBA	1 st	Ms. Tamanna and Ms. Saruchi
3/2/18	TVS Motors Limited	MBA	3 rd	Ms. Varsha Gupta

EXCURSIONS

- Industrial visit was organized for the students of School of Management Studies to Vrasate Khalsa to Anandpur Sahib on 1^{4th} October, 2017. Faculty members Ms. Viveka, and Ms. Saruchi accompanied the students.

LIVE PROJECTS

- 10 students of MBA 1st semester went to Big Bazar for special event **6 Days of Maha Bachhat in Big Bazar** starting from 21st to 26th January 2018.

RESEARCH ACTIVITIES

Dr. Poonam Bassi

Conferences/ Workshops Organized:

Organized National Conference titled **Influence of Social sciences on Business Management** in **School of Management Studies of Baddi University of Emerging Sciences and Technology** on 20th November, 2017.

(Organizing Secretary)

Conference attended

- Presented research paper titled **Customer Satisfaction Towards E-Banking Services** in National Conference on 'Emerging Trends in Disruptive Innovations and Sustainable Business Management' at CBSA, CGC, Landran, Mohali on 8th March, 2018.

Ms. Varsha Gupta

Conferences/ Workshops Organized:

Organized National Conference titled **Influence of Social sciences on Business Management** in **School of Management Studies of Baddi University of Emerging Sciences and Technology** on 20th November, 2017.

(Convener)

Publications

- Gupta, Varsha (2017), '*Aftershock: Impact of Demonetization on Indian Investments Market*' in National conference on Srijan 17 held at CGC Jhanjhari on March 29, 2017

- Gupta, Varsha (2017), Demonetization: turmoil in Indian monetary system' in national conference on Demonetization: Effect on economy, corporate and management strategies. Held at Himalayan Group of Institutes, Kalaamb on March 28, 2017
- Gupta, Varsha (2017), A study on 'Performance Evaluation of Select Textile Companies An Empirical Analysis' in IOSR Journal of Business and Management (IOSR-JBM) e-ISSN: 2278-487X, p-ISSN: 2319-7668. Volume 19, Issue 1. Ver. III (Jan, 2017).

Conference attended

- Presented research papertitled **A Study on Performace Evaluation of Micro Finance Institutions in India-An Empirical Study** in National Conference on 'Emerging Trends in Disruptive Innovations and Sustainable Business Management' at CBSA, CGC, Landran, Mohali on 8th March, 2018.

Ms. Bhavna Sharma

Conference attended

- Presented research papertitled **FDI in Multibrand Retailing in India** in 7th International Conference on Good Governance: Initiatives, Challenges and Prospectus at Punjabi University Patiala on 13th November, 2017.

Publications

- Sharma, Bhavna (2017), **Socialization agents of generation X and generation Y** in **IOSR Journal of Humanities and Social Sciences** e-ISSN: 2279-0837X, p-ISSN: 2279-0845. Volume 22, Issue 11. Pp-47-53 (Nov, 2017).
- Sharma, Bhavna (2017), **Innovativeness in Marketing** in **International Journal of Science Technology and Management** ISSN: 2394-1537. Volume 6, Issue 6.

Ms. Reetu Parmar

Conference attended

- Presented research papertitled **A Study on Performace Evaluation of Micro Finance Institutions in India-An Empirical Study** in National Conference on 'Emerging Trends in Disruptive Innovations and Sustainable Business Management' at CBSA, CGC, Landran, Mohali on 8th March, 2018.

Mr. Balraj Verma

Conferences/ Workshops Organized

- National Conference on Emerging Trends in Management, Law and Tourism: Issues and Challenges in Sustainable Development. February 23, 2018.
(Conference Coordinator)

JOURNAL

Balraj Verma (2018). Globalization & Economic Growth of India in Post-Liberalization Era. *International Journal of Enhanced Research in Management & Computer Applications (IJERMCA)*, 7(3), 243-249.

CONFERENCES/ WORKSHOPS ATTENDED:

Conferences:

- Participated and Presented paper entitled *Globalization & Economic Growth of India in Post-Liberalization Era* at the International Research Developments in Applied Science, Engineering & Management (AEM- 2018) held on 18th March 2018 at The Indian Council of Social Science Research (ICSSR), Punjab University Campus, Chandigarh (India).

Workshops:

- Seven Day's Workshop on "*Tools and Techniques for data analysis in management research*" on June 19-24, 2017 at Jaypee University of Information Technology, Waknaghat, H.P.
- One Day's workshop on "*Case Study Methodology of Teaching*" organized by School of Management, Bahra University addressed by chief guest Dr. Santosh Rangnekar Professor, Department of Managements studies, **IIT Roorkee**.

STUDENTS' ACHIEVEMENT

Class	I	II	III
MBA I Year	Mr. Arsh Sood (9.46)	Mr. Ajay Kumar (9.23)	Mr. Rakesh Kumar (9.01)
BBA I Year	Ms. Pratiksha Tripathi (7.96)	Mr. Rohit Sharma (7.50)	Mr. Rohan Yadav (7.46)
B.COM I Year	Mr. Sachin (8.31)	Ms. Neelam Devi (8.19)	Ms. Kritika Jabaik (7.96)
BBA II Year	Mr. Micheal Sanasam (8.11)	Mr. Rahul Malik (7.35)	Ms. Mathura Devi (7.34)
BCOM II Year	Mr. Pankaj (9.73)	Mr. Kishan Pandey (9.53)	Mr. Santosh Kumari (8.50)

PLACEMENTS (MBA Students)

Name of Student	Name of Company
Preeti Sharma	Bunge India
Ankit Jagta	Bunge India
Savitoj	Godrej
Gunjan	Godrej
Deepali	Godrej
Ishan Dogra	HDFC
Nikita Chauhan	Indusind Bank

HR CONCLAVE

On 27 Feb 2018 9th HR conclave was organized in school of management studies of baddi university. The conclave was started with the reception of guests and welcoming of guest by vice chancellor and other dignitaries. The conclave was moderated by Mr. Y.S. Gularia senior vice president TVS motors Ltd. And by Mr. Rajender Guleria Dean IIPP, Baddi University. The panelist in the conclave were Mr. Arun Raghav – Luminous industry, Mr Rohit Gupta – DGM HR Gleanmark Pharmaceutical, Ms. Suman, Associated Prof. Brotiwala college. The theme of the conclave was HR challenges in changing workplace culture, values and ethics.

CII-YI ACTIVITIES

- School of Management Studies of Baddi University of Emerging Sciences and Technology organized an event Book Train on 27th October 2017 in collaboration with Cii-yi Yuva Chaupal. Mrs. Neetu Prabhakar representative of Mrs. India international 2017, Mr. Jasbir Singh and Mrs. Manju Passi fashion designer were the guests for the event. Programme was started with the lamp lighting. During the programme Mr.Munish Pundir founder of Ashman foundation, Mr.Hridesh Co-chairman of Cii yi, Mr. Saransh Sharma executive of cii yi, Mr. Joginder Kainthla from Sentis Pharma, Mr. Gaurav Ram Jhunjunwala Secretary CASE, Prof. Dr. T.R. Bhardwaj Vice Chancellor Baddi university Prof. T.N. Nandal Registrar Baddi University, Prof. Dr. Prashant Mehta Dean SMS Baddi University, Mr. Rajender Guleria were present in the occasion.
- CII-YI Yuva Chaupal School of Management Studies organized cleanliness drive in support of 'swachhta Hi Seva' campaign to celebrate 3rd anniversary of Swachh Bharat Abhiyan by PM Narendra Modi. The main purpose of this programme was to create awareness among the students regarding cleanliness. The members of CII-YI Yuva chaupal cleaned the canteen area in the university campus and aware the students about cleanliness. This activity was conducted under the guidance of CII-YI Yuva chaupal faculty coordinator Mr. Rajeev Kumar.

MANAGEMENT FEST - PRABANDHOTSAV 2018

- Management fest 'Prabandhotsav 2018-Ocean of Creativity was organized by the School of Management Studies on 23th March 2018. In which 8 Colleges/ Universities, approx 200 students participated in various literary, cultural and fine arts events.

SCHOOL OF SCIENCES

PROFILE

The School of Sciences, formerly known as Department of Applied Sciences and Humanities, was established in Dec. 2015. School of Sciences is dedicated to showcase the application of sciences in varied fields. The School strives to impart quality education in the areas of Mathematics, Physics, Chemistry and Humanities for the development of future technocrats and researchers.

COURSES OFFERED

- B. Sc (Non Medical) (Three years regular)
- B. Sc Chemistry (Hons.) (Three years regular)
- M. Sc (Chemistry) (Two years regular)
- M.Sc (Physics)(Two years regular)
-

LAB FACILITIES

- Chemistry lab
- Physics lab
- Communication and Professional Skills lab

GUEST LECTURE

Prof. Simarjeet Kaur, an eminent academician, from Rayat and Bahra University, Mohali has delivered a guest lecture on Air Pollution- Causes and its impact on environment which was organized by School of Sciences.

INDUSTRIAL VISITS

S.No.	Semester	Place	Date of Visit
1	4th (M.Sc)	SAIF/CIL Lab, PU, Chandigarh	25/10/2017
2	2 nd /4th (M.Sc)	Morpen Labs Limited Baddi	11/05/2017

FACULTY PUBLICATIONS

Ms. Nidhi Gupta

Papers published

- Pharmaceutical Effluents and characteristic changes in river water quality in Baddi region, Himachal, India, International Journal of Science and Research, (2018):7(1),1417-1419.
- Review on physic-chemical analysis of various pharmaceutical industrial effluents and its impact on the environment, International Journal of Sciences and Applied Research, (2018): 5(2),7-11.

Dr. RenuBala

Short term course attended

Instructional Delivery (Module-II IPD) through ICT conducted by Education and Educational Management Department from December 04, 2017 to December 08, 2017 at Baddi University, Solan (HP).

Workshop Attended

Workshop on “Applications of Optimization Technique” organised by Thapar Mathematical Society in Collaboration with Scimatics, held on March 30-31, 2018 at Thapar University, Patiala.

Dr. Gourav Gupta

Paper Published

Gupta G. and Kumari A., An Efficient Method for Solving Intuitionistic Fuzzy Transportation Problem of Type-2, International Journal of Applied and Computational Mathematics, Vol. 3, pp. 3795-3804, 2017.

Short term course attended

Instructional Delivery (Module-II IPD) through ICT conducted by Education and Educational Management Department from December 04, 2017 to December 08, 2017 at Baddi University, Solan (HP).

Workshop Attended

Workshop on “Applications of Optimization Technique” organised by Thapar Mathematical Society in Collaboration with Scimatics, held on March 30-31, 2018 at Thapar University, Patiala.

ACTIVITIES ORGANIZED BY THE DEPARTMENT

National Mathematics Day

With an aim to bring awareness on the contributions made by the renowned mathematician Srinivasa Ramanujan, December 22, 2017 was observed as National Science Day in School of Sciences, Baddi University of Emerging Sciences and Technology. The chief guest for the day was Prof. Amit Kumar Garg, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat, Haryana.

National Science Day

To commemorate the discovery of the 'Raman Effect', which led to Indian scientist Sir Chandrasekhara Venkata Raman winning the Noble Prize in Physics in 1930, a trip to Science city, Kapurthala was organised by School of Sciences, BUEST, on Feb 28, 2018. The basic objective of the celebration of National Science Day was to propagate the message of the importance of science and its applications among the students and to raise public appreciation on the theme of National Science Day 2017 i.e. ***Science and Technology for a Sustainable Future***.

Women Health and Hygiene Awareness Programme

The one day workshop was organized by **School of Sciences** in association with **Prayas Welfare Society and Rural & Technical Education NGO (Regd.)** on **23rd February, 2018**. The event was organized under the guidelines of World Health Organisation and our government's project of **"Betibachao, Betipadhao"**. The Programme aimed at breaking the taboos alongside increasing awareness and access towards the required sanitary infrastructure.

Rangoli Competition

Rangoli Competition was organized by Chemistry club on the theme "Save Environment" on March 21, 2018. The students actively participated in the event.

STUDENT'S ACHIEVEMENTS

Academics

a) MSc (Chemistry)

S.No	BUPIN	Student's Name	CGPA	Rank
1	15PCH004	Indu Sharma	9.40	Gold
2	15PCH009	Khushboo PURO	8.92	Silver
3	15PCH034	Monika Sharma	8.71	Bronze

STUDENT PLACEMENT

(M.Sc. Chemistry)

Total No. of Interested Students in Placed Students Name of Company
Students the Campus Placement

33(2015-17)	15	5	Macleod Pharma
35(2016-18)	22	2	Godrej

UNIVERSITY ACTIVITIES

1. PLEDGE TAKING CEREMONY

The pledge taking ceremony, organized on Aug 09, 2017, by the Department of Students Welfare, BUEST, was a part of the initiative of the MHRD and UGC. The pledge was taken across the country as per the appeal made by Prime Minister Narendra Modi who has exhorted the compatriots to contribute something for the nation. The Ministry of Human Resource Development (MHRD) and University Grants Commission (UGC) asked all the higher educational institutions to help in making this movement successful.

2. SWACHHTA PAKHWADA

A 15-Day SWACHHTA PAKHWADA was Organized at Baddi University under the UGC guidelines from Oct 1-15, 2017. The idea behind this was to protect and clean the environment and surroundings by sustaining the natural resources for current and future generations. Nukad Natak & Flash Mob was also organized as part of Swachhta Abhiyaan by BUEST students in Shimla. Dean Student welfare motivated the students to involve themselves in cleanliness activities.

3. BLOOD DONATION CAMP

Blood Donation Camp was organized on Nov 07, 2017 in the University campus. This year too BUEST has donated a worthy number of units to the Blood Bank Chandigarh.

4. MATRIBHASHA DIWAS

Matribhasha Diwas was organized on Feb 21, 2018 in the University campus to create awareness of linguistic and cultural traditions.

5. INTERNATIONAL WOMEN'S DAY

International Women's day was celebrated in the university campus on Mar 8, 2018. Honourable Vice Chancellor Prof. (Dr.) T.R Bhardwaj has graced the occasion as Chief Guest. The theme for International Women's Day, this year was "Time is Now: Rural and urban activists transforming **women's** lives".

6.INTERNATIONAL YOGA DAY

Yoga is a physical, mental, and spiritual practice attributed mostly to India. Baddi University of Emerging Sciences and Technology (BUEST) has celebrated the 4th **International Yoga Day** at BUEST campus on 21 June, 2018. Patanjali Yoga Centre, Chandigarh team had visited the BUEST campus for Yoga.

7.DEBATE COMPETITION ON DRUG ABUSE

Baddi University of Emerging Sciences and Technologies (BUEST) has organised a **debate competition on the ill effects of drug abuse** on 4th July, 2018 as an initiative to create awareness among youth as per the guidelines of HP Govt. in debate, Supporters believed that drug prohibition is a morally acceptable and/or efficacious way to reduce drug abuse while Opponents believed drug prohibition is a morally unacceptable and/or ineffective way to reduce drug abuse. Both of these positions rely on the premise that drug abuse is harmful to the individual abusers and/or society in general.

INITIATIVES TAKEN BY UNIVERSITY

Betiyan Ki Baari

‘BETIYON KI BARI’ (BKB) is BUEST’s own unique initiative to promote professional education among girl students of Himachal Pradesh, to enable them to carve out a distinct niche for themselves and savour the fruits of growths and industrialization. BKB is an exclusive scholarship scheme for girl students.

IDEA Factory

IDEA FACTORY which was inaugurated by Prof. (Dr.) Kalam, offers a combination of labs and workshops and is amply equipped to cater each stage of product development cycle- brainstorming, designing, prototyping & testing. It is an all-encompassing incubation center to convert original thoughts into products.

Patent	Application No.	Docket No.	Date of Submission
Helmet Wear Warden (HWW)	3901	13170	18.12.2012
Pneumatic Crown Safety Redefined	3902	13171	18.12.2012

ONGOING PROJECTS

- Wheel chair that can climb up the stairs (customized for BUEST)
- Mosquito repellent working on Inverter technology (A handy device)
- A noise filtering device enabling a group of person to talk while sitting around a table in noisy

environment

- Anti-forget key device
- Knee cap that can charge a personal mobile while on work

Academic Adoption

This venture is partnership with local corporate which enables the industry to identify budding talent at a nascent stage. The students in turn, on the basis of their performance in the selection process, have the opportunity to be adopted by the corporate world on the first day of first, second or third year of their study on the campus.

IBM-ICE Program

IBM-ICE is the Innovation Centre of Excellence (ICE) at BUEST powered by the industrialized expertise of the IBMers of ICE team. The aim of this program is to develop a customized industry oriented curriculum that skillfully nurtures and moulds the students into industry-ready professionals by focusing.

PUBLICATIONS OF THE UNIVERSITY

BOOKS/Journals

Journals

School of Management Studies launched 1st Issue of Management Journal The Catalyst- Journal of Management Vol. 1 Issue 1 in March 2016.

In March 2016 SPES has published first volume of Biannual Journal “Emerging Trends in Pharmaceutical Sciences” having ISSN: 2455-7919.

Books/ Conference Proceedings

- A National conference entitled “Innovations in Civil & Mechanical Engineering” (EZUCURSION 2016) was held on 12th May 2016
- National Conference on “Recent innovations in Electronics, Electrical and Computer Engineering-RIEECE2015” was held on on 9th May, 2016

SPORTS

LAKSHAY 2018

This year BUEST hosted Lakshay 2018- A Two Day Inter University Sports meet. Students of various institutes participated in the meet and made Lakshay a thriving event. Mrs Suman

Rawat, Arjun Awarde, accepted to be the Chief Guest for the event and she promoted sports as an essence of a healthy life.

CULTURAL ACTIVITIES

SANGAM 2017

It is an annual cultural platform organized by senior students to felicitate their juniors. Sangam 2017 was celebrated on Sept 27, 2017. The students showcase their talents and get a good communication with their seniors because the seniors are the ones who help new students, who are away from their respective homes for the first time and happen to face any problem in settling down in the new environment.

EMANATION 2018

An annual Techno-Cultural Fest planned and organized by the students is based on the objective to give students an opportunity to explore their own universe other than sheer academics. This annual fest provides a perfect pedestal to the students as well as faculty members for showcasing and recording their extra-curriculum talents. This year BBNIA President, Mr. Shailesh Aggarwal as Chief Guest and Mr. Rahul Khanna , Athlete as Guest Honor have honoured BUEST by accepting the proposal of being the for the said event. He has bestowed the students and faculty members with his experienced and insightful words. The later half of the day was made memorable by the marvellous performances of famous Himachali Singer- Hemant Sharma and renowned Punjabi Singer- Ninja. The students of BUEST too shared their talents on the stage through various amusing acts. Mr.Gaurav Ram Jhunjhunwala, Secretary, governing body of the BUEST, MLA Mr. Ram Kumar and officials of the local administration were also present.

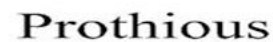
PLACEMENT HIGHLIGHTS

Campus Recruitment

Corporate being the ultimate destination of the young professionals of BUEST, intensive facilitation is provided to the students for starting their career with the top notch Corporate Houses. Each year, the number of companies visiting BUEST for the Campus Recruitment is increasing tremendously.

- Successful placement of 100% eligible students of 2015 batch.
- Nodal Canter for the recruitment for Indian Navy and Indian Army from the past many years.
- Dedicated support to the students for the Summer Placements.
- Goal of achieving 100% placement for 2016 batch round the corner.







Baddi University

of Emerging Sciences & Technologies

Makhnumajra, Baddi

District Solan, Himachal Pradesh

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