



Annual Report 2019-20



*Baddi University of Emerging Sciences
and Technology*

ANNUAL REPORT

2019-20



*Baddi University of Emerging Sciences
and Technology*

4th Elite Men's National Boxing Championship

Ocean of Creativity at BUEST





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 endeavour 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 me 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 students having creativity and passion for learning. These students are receiving a strong liberal educational foundation, as well as the skills and perspective they need to acquire for the advanced emerging economy.

Baddi University's alumni will have much to contribute to the world around them. I look forward to witness their accomplishments and how their innovative achievements contribute to the growth of society at large.

I congratulate all BUEST members, leadership team, and other staff members for making this year a constructive one, which reflects through this Annual Report, I look forward to Baddi University's continued progress in its future endeavours.

Ram Prasad Agarwala



CHANCELLOR'S MESSAGE

The year 2019 was a year of celebration as we completed eighteen years of achievement and success. Baddi University of Emerging Sciences & Technologies (BUEST) continued its commitment to equity, great teaching and learning, to bring forth future-ready professionals, innovators and entrepreneurs, which will enhance the economic and social wellbeing of the communities we serve.

With an element of uncertainty facing by the higher education sector, it is important for BUEST to continue to sustain the strong foundation of the last 18 years, while driving a bold and inspiring future for our regions and beyond.

BUEST members and the executive team have worked together to build a strong strategic plan, and under the Vice-Chancellor's guidance and leadership, the university is focused on accomplishing the goal of providing quality education.

Our success will be determined by the quality of our graduates and we are committed to provide a unique teaching-learning experience to our students. The extensive inclusion of training and skills integrated learning ensures that the university produces competent and work-ready graduates. It is commendable to see our staff and students being recognized for their outstanding achievements during the academic session 2019-20.

Natural calamities often do unstable the normal system but human kind has escaped them by finding out the solutions well in time. During start of year 2020, COVID 19- new deadly virus appeared and became the danger to human kind. Immediate step to curve the pandemic was to enforce the lock down globally at different timings and intervals. Baddi University being a part of the system followed safety measures of lock down and placed the teachers and students to learn new techniques to teach from home. Examinations were also shifted to on-line mode. I congratulate the students and teachers for accepting this new challenge in education system, which they followed intelligently and rigourously.

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 provided 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 a University of Excellence in quality education and research which is reflected in the annual report of 2019-20.

Pradeep Srivastava



VICE CHANCELLORS'S MESSAGE

It is a pleasure to present the Annual Report of the academic session 2019-20 of Baddi University of Emerging Sciences & Technologies (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. 2019 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.

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 and build the high-performing, ethically aware professionals that government, industry and the third sector demands. Our research is strengthening the 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 be benefitted from our front line research.

BUEST has initiated a very unique programme named Performance Enhancement Programme (PEP) under the guidance of our Hon'ble Chancellor and imbibe the concept through Value Based Learning, Project Based Learning and Personality Development Programme to bring out the best in students. The university met with a remarkable success 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 drug-abuse by the students. The University ended the year in a sound financial position. It was a record year for fund raising, and we are grateful to 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 staffs for all that has been achieved, not only in 2019, but over the past years.

Having said that, we are reminded of the deep impact of COVID-19 on our economy and its institutions including our university, during the time we were just halfway through the second semester of the academic year. Due to protracted lockdown there was noticeable disruption in the activities of the university. Classroom teaching as well as examination and evaluation systems had to be shifted to online modes and thus the well established systems gave way to a complete virtual scenario. Nevertheless, the robust pedagogy and the infrastructure built over the past years, made it possible for BUEST to successfully wade through the nightmarish quagmire of the pandemic.

However, given our resilience and based on the overall strong work done in 2019 and in 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



MESSAGE FROM REGISTRAR'S DESK

The BUEST has emerged as one of the frontier leaders amongst the private educational institutions of higher learning in India. Our well built and intensely nurtured constituent Schools naturally permit all round development of the students as well as promote academic excellence.

We at BUEST cherish a tradition of onboarding competent teachers who strive to promote learning with passion and nurse an unswerving commitment to sustain brilliance in teaching, research and innovation. Our competent teachers work consistently to develop critical thinking abilities in the students, as the cutting edge technology of teaching. The student is, actually mentored to imbibe the confidence of scaling the higher echelons of his/her chosen career stream with the kind of performance which is superb yet intertwined with compassion, high values and professional ethics.

The university campus is endowed with a bracing climate and a conducive learning environment. As we emphasize overall personality development of the students, we encourage sports and cultural activities as an integral part of the learning process. In short, we groom the students to be ready to meet the challenges and needs of the dynamic industrial and social landscapes.

The university has state-of-the-art infrastructure to match the standards of any premier educational institution. No wonder our students excel in the fields wherever they choose to go. We have a strong community of alumni which has inspiring interactions with our students on regular basis.

One of the unique attractive propositions of BUEST is that it is the only university campus surrounded by the MNCs and the largest Pharma hub among Asian countries. We have developed and redesigned our course syllabi in consonance with the industry requirement, using the synergy of academicians and technocrats.

As a helping hand to the financially weaker students hailing from remote areas we have short term skill based training programmes to make them industry ready.

Besides, we have innovative schemes like 'Betiyon ki Bari', 'Idea Factory', 'Project Based Learning' and many more schemes which are now an integral part of our educational system and have evolved due to conscious and socially responsible efforts of the BUESTians.

While the teaching process was running normal, all of a sudden world has to face the padamic of deadly CORONA 19 virus. This affected the functioning of BUEST also. University has to undergo lock down situations and the entire teaching and examination system were shifted to on-line teaching and conduct of examinations. Yet our teachers and students worked hard to adopt and follow the changing scenario of education world.

Baddi University invites you to join us. We take the responsibility of your grooming and materializing your dreams into reality.

Prof. J.K. Sharma

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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 offering 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. Other two departments: Computer Applications (offering BCA and MCA) and Civil Engineering (offering B.Tech. Degree) were added to the Institute in 2008. Over the years SEET achieved the status of a premier institute in imparting career oriented education in above said fields.

In the year 2007, the Society established the School of Pharmacy and Emerging Sciences (SPES) and started 4-year B. Pharm. course. In 2008, one more prestigious institute viz. School of Management Studies (SMS) was also introduced that 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. The university will continue to promote effective and innovative learning methods by using latest technologies.

VISION

We are committed to be known for imparting knowledge, research and practical experience to prepare future-oriented professionals who would make a difference in people's lives.

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's students to become efficient and capable of accessing the 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.
- An MoU has been signed with Forbcorp Pvt. Ltd. for a student of CSE 4th year on 6th August, 2019.
- An MoU has been signed with Altruist Technologies for a student of CSE with a good stipend in forth year.
- An MoU has been signed with Omninos solution for a student of CSE 4th year on 12th September, 2019.
- BUEST has been associated with Infosys under Infosys Campus Connect Program since 2008 enhancing the new ideology of bridging the gap between Academia and Industry. 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 into a competent professional via following ways:
 1. Annual meet with all members and academic partners is organized annually to introspect the work of the past and future sessions
 2. Regular webinars, seminars and FDP sessions by industry practitioners are organized by Infosys for both faculty and students
 3. Frequent interaction of students with Infosys via an exclusive portal accelerated learning by encouraging them to participate in the "ASPIRATIONS 2020" – a programming contest for students of engineering colleges to achieve the end of preparing smart professionals.

OUR INDUSTRIAL PARTNERSHIP

IBM-ICE Program

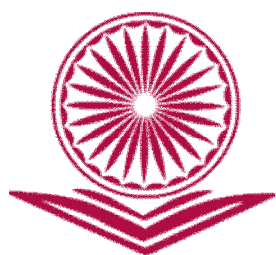
IBM-ICE is the Innovation Center for Education (ICE) at BUEST powered by the industrialized expertise of the IBMers of ICE team. The aim of this program is to develop a customized industry oriented curriculum that skillfully nurtures and mold the students into industry-ready professionals by focusing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



STATUTORY REGULATIONS AND APPROVALS

The University has been established under the “Baddi University of Emerging Sciences & Technologies (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.

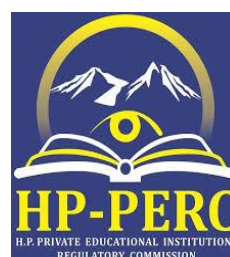
UGC Approved



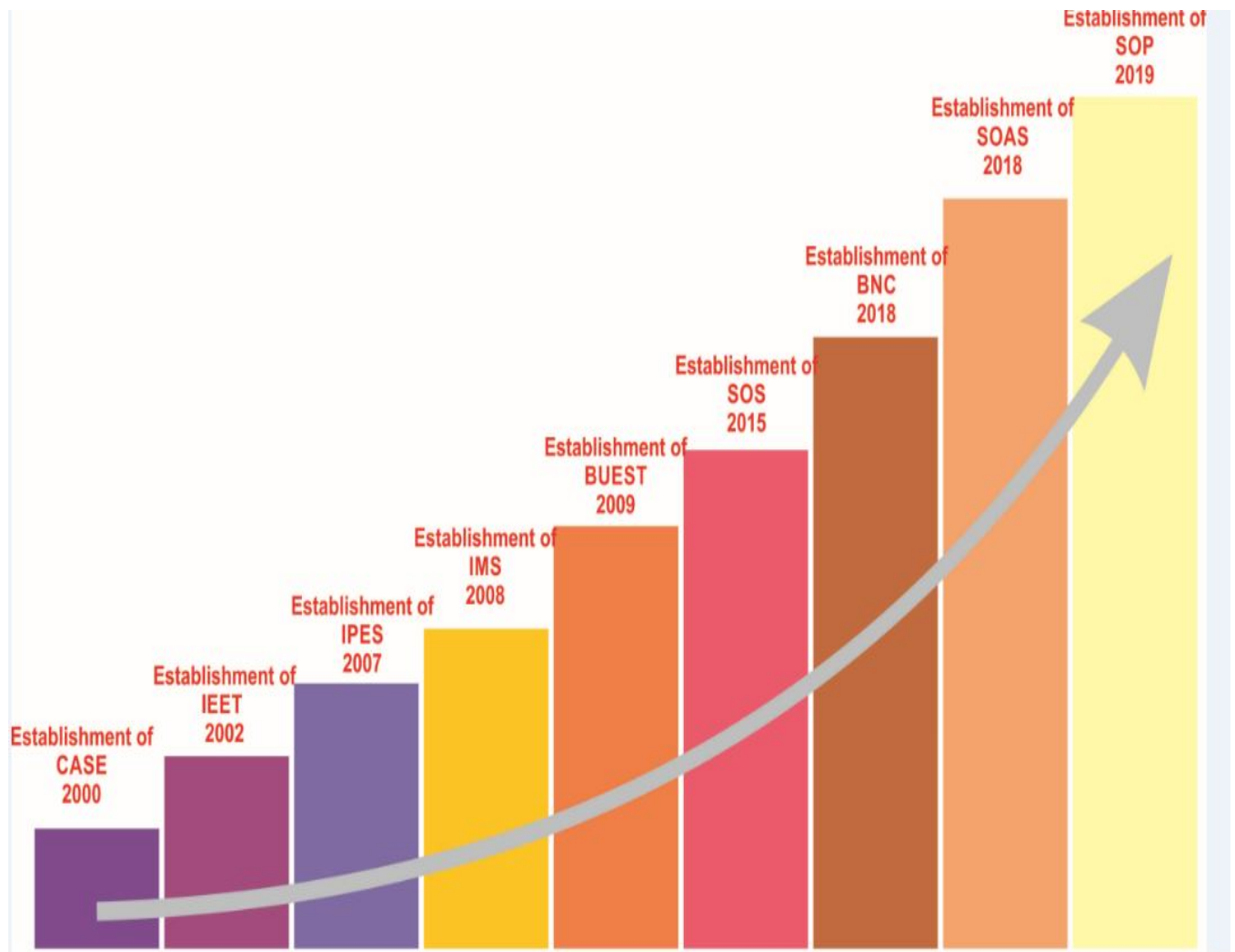
PCI Approved



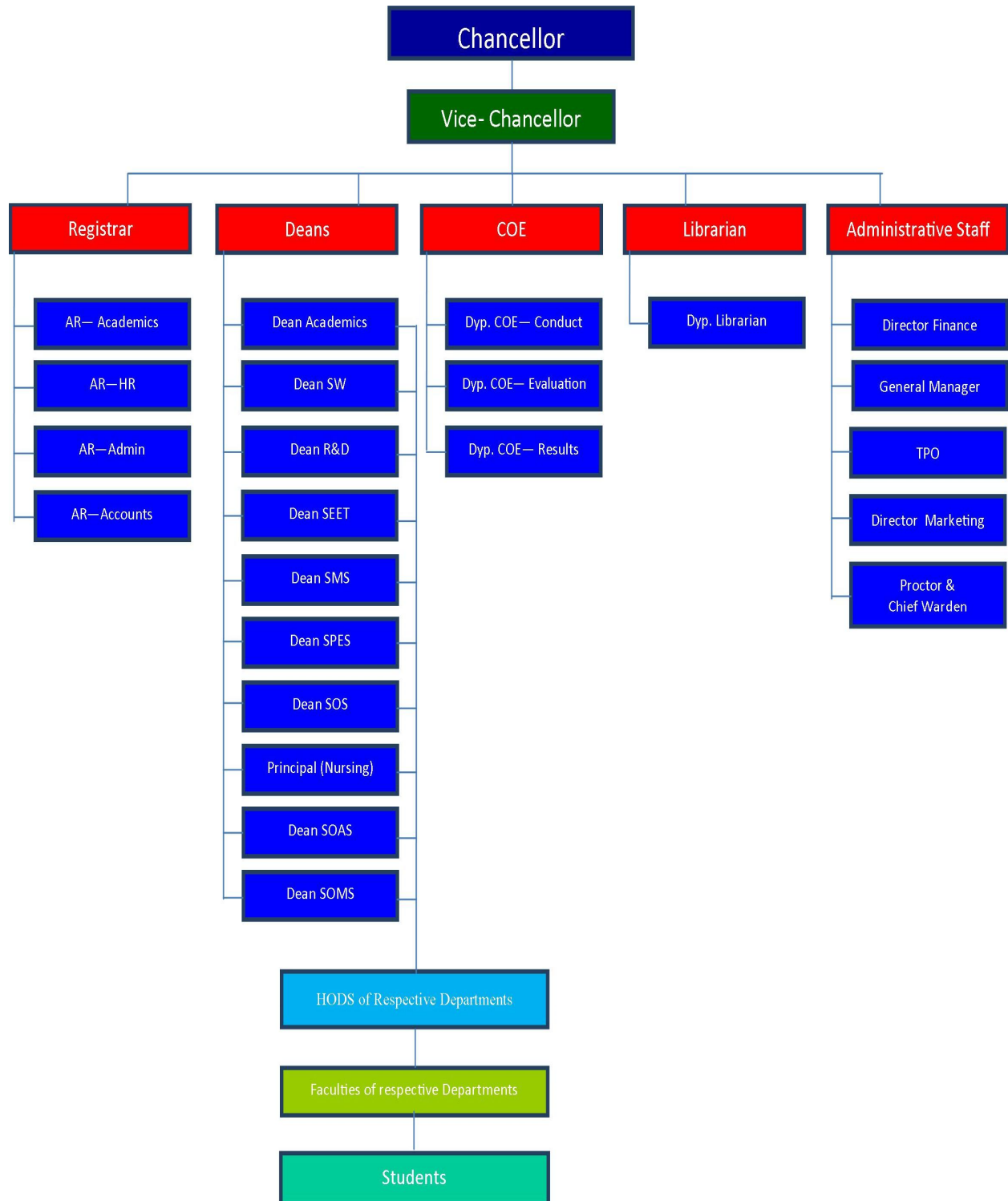
HP-PERC Approved



PROGRESS CHART



ORGANIZATION STRUCTURE



GOVERNING BODY

Mr. Pradeep Srivastava – Chancellor (BUEST)	Chairman
Mr. Pawan Kumar Agarwala – Vice-Chairman (Sponsoring Body)	Member
Mr. Gaurav Ram Jhunjhunwala – 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
Mr. Kishan Verma (Govt. Nominee)	Member
Mr. Parveen Sharma (Govt. Nominee)	Member
Prof. J.K. Sharma – Registrar (BUEST)	Member Secretary

STUDENTS ENROLLED

Course	2017-18		2018-2019		2019-2020		2020-21
	Approved Intake	Actual admission + LEET	Approved Intake	Actual admission	Approved Intake	Actual admission	Approved Intake
B.Tech.: ECE	60	7	60	25	60	6	60
CSE	120	36	120	67	120	47	120
ME	120	29	60	36	60	10	60
EE	60	19	60	34	60	24	60
CE	120	23	60	37	60	11	60
Mechatronics	-	-	60	10	60	5	60
BCA	60	7	60	13	30	17	30
MCA	60	17	60	04	30	6	30
BBA (Hon)	30	10	30	25	30	30	30
MBA	120	51	60	27	120	26	90
MBA Executive	-	-	-	-	30	21	30
D.Pharma	60	20	60	54	60	27	60
B.Pharma	100	77	100	100	100	100	100
M.Pharma Pharmaceutics	15	10	15	10	15	15	15
M.Pharma (Pharmaceutical. Chemistry)	15	5	15	--	15	6	15
M.Pharma (Pharmacology)	-	-	15	5	15	3	15
<u>M.Tech (Regular):</u> EE, P. E. & Drives	18	3	18	3	18	--	18
CSE, Softw.Engg	18	-	--	--	-	--	-
ECE	18	1	18	--	--	--	-
ME, Produ. Engg.	18	1	18	--	18	4	18

CE ,Struct. Engg	18	3	18	5	18	4	18
Computer Sc. & Engg	18	2	18	4	18	--	18
B.Com (Hon)	40	25	40	33	60	30	60
B.Sc. (Med.)	30	25	30	30	60	0	60
B.Sc.(Non Med.)	30	12	30	8	30	4	30
B.Sc.(Hons.) Chem	30	14	30	16	30	17	30
B.Sc. (Hons.) Agriculture	-	-	60	45	60	43	90
B.Sc. Nursing			40	35	60		60
Bachelor of Physiotherapy	-	-	-	-	40	15	40
M.Sc. Math	-	-	30	06	30	8	30
M.Sc. Chem	40	40	60	29	45	27	45
M.Sc. Physics	30	4	30	06	30	6	30
M.Sc. Microbiology	-	-	30	08	30	4	30
Total	1284	441	1376	675	1421	516	1582

LIST OF FACULTIES

S.No.	Subject with specialization	(Emp Name)	(Designation)	(Highest Qualification)	(Gender)	(Date of Joining)
1	B.Sc. Nursing(Nursing)	Amarjit Kaur	Principal/ Professor	M.Sc. Nursing(Community Health Nursing)	Female	01/02/2018
2	B.Sc. Nursing(Nursing)	Komal Thakur	Nursing Tutor	M.Sc. Child Health (Pediatric)Nursing	Female	17/10/2018
3	B.Sc. Nursing(Nursing)	Lalita Sharma	Nursing Tutor	Post Basic B.sc Nursing	Female	10/07/2019
4	B.Sc. Nursing(Nursing)	Sapna	Nursing Tutor	M.Sc. Nursing(Community Health Nursing)	Female	21/02/2018
5	B.Sc. Nursing(Nursing)	Sapna Devi	Nursing Tutor	Bsc. Nursing	Female	12/07/2018
6	B.Sc. Nursing(Nursing)	Deeksha	Nursing Tutor	Bsc. Nursing	Female	05/08/2019
7	B.Sc. Nursing(Nursing)	Pratibha Thakur	Nursing Tutor	M.Sc. Nursing	Female	27/11/2019
8	B.Sc. Nursing(Nursing)	Sumita	Assist. Professor	M.Sc (Nursing) Mesical Surgical Nursing	Female	12/07/2018
9	B.Sc. Nursing(Nursing)	Shweta Verma	Nursing Tutor	M.Sc. Nursing	Female	13/12/2019
10	Civil Engineering(CE)	Lokeshwar Sharma	Assist. Professor	M.Tech Civil	Male	22/08/2018
11	Civil Engineering(CE)	Neha	Assist. Professor	M.Tech.Civil	Female	28/09/2017
12	Civil Engineering(CE)	Panshul Jamwal	Assist. Professor	M.Tech	Male	22/08/2017
13	Civil Engineering(CE)	Rajan Deep	Assist. Professor	M.Tech	Male	26/09/2017
14	Civil Engineering(CE)	Rohit	Assist. Professor	M.Tech.Civil	Male	22/08/2016
15	Civil Engineering(CE)	Satya Pal Singh	Assist. Professor	M.Tech Civil	Male	29/09/2017
16	Computer Science Engineering(CSE)	Aarchit Joshi	Assist. Professor	M.Tech (Computer Sc.)	Male	23/01/2018
17	Computer Science Engineering(CSE)	Akshita Kapila	Assist. Professor	M.Tech (Computer Sc.)	Female	01/08/2018
18	Computer Science Engineering(CSE)	Bharti	Assist. Professor	M.Tech (Computer Sc.)	Female	10/08/2017

19	Computer Science Engineering(CSE)	Chaitanya Thakur	Assist. Professor	MTECH	Male	28/01/2019
20	Computer Science Engineering(CSE)	Nikita	Assist. Professor	M.Tech (Computer Sc.)	Female	17/08/2015
21	Computer Science Engineering(CSE)	Nitin Kapoor	Assist. Professor	MTECH	Male	23/01/2019
22	Computer Science Engineering(CSE)	Parul Preet Singh	Assistant Professor	M.Tech	Male	07/08/2009
23	Computer Science Engineering(CSE)	Priyanka Sharma	Assistant Professor	M.Tech (Computer Sc.)	Female	28/07/2010
24	Computer Science Engineering(CSE)	Promila Devi	Assist. Professor	M.Tech (Computer Sc.)	Female	30/05/2018
25	Computer Science Engineering(CSE)	Ranish Kumar	Asstt. Prof.	Mtech.	Male	17/09/2019
26	Computer Science Engineering(CSE)	Rachna Sharma	Assistant Professor	M.Tech (Computer Sc.)	Female	23/08/2007
27	Computer Science Engineering(CSE)	Rajesh Kumar Chaudhary	Assist. Professor	M.Tech (Computer Sc.)	Male	26/08/2015
28	Computer Science Engineering(CSE)	Renuka Rattan	Assist. Professor	M.Tech	Female	03/09/2018
29	Computer Science Engineering(CSE)	Ruchika Sharma	Assist. Professor	M.Tech (Computer Sc.)	Female	03/10/2013
30	Computer Science Engineering(CSE)	Shaveta Jain	Assist. Professor	M.Tech(CSE)	Male	20/02/2019
31	Computer Science Engineering(CSE)	Tanu Minhas	Assist. Professor	MTECH	Female	28/01/2019
32	Computer Science Engineering(CSE)	Vibha Bhutani	Assist. Professor	M.Tech(CSE)	Female	28/01/2019
33	Electrical Engineering(EE)	Abhinav Dogra	Assistant Professor	M.Tech (EE)	Male	02/04/2013

34	Electrical Engineering(EE)	Geena Sharma	Assist. Professor	M.E Modular	Female	05/08/2005
35	Electrical Engineering(EE)	Ishan Thakur	Assistant Professor	M.Tech (EE)	Male	08/10/2012
36	Electrical Engineering(EE)	Manisha Verma	Assist. Professor	M.Tech	Female	28/01/2019
37	Electrical Engineering(EE)	Ruchika	Assistant Professor	M.Tech (EE)	Female	08/10/2012
38	Electrical Engineering(EE)	Vandana Sharma	Assist. Professor	M.Tech (EE)	Female	18/04/2018
39	Electrical Engineering(EE)	Vinod Kumar	Assist. Professor	M.Tech.(Elec.Engg.)	Male	19/04/2018
40	Electrical Engineering(EE)	Bhupinder Singh	Asstt. Prof.	M.Tech.	Male	17/03/2020
41	Electrical Engineering(EE)	Bharti	Asstt. Prof.	M.Tech	Female	16/03/2020
42	Electronics and Communication Engineering(ECE)	Gurdeep Kaur	Assist. Professor	M.Tech (ECE)	Female	16/08/2017
43	Electronics and Communication Engineering(ECE)	Jatinder Kaur	Assist. Professor	M.Tech (ECE)	Female	16/08/2017
44	Electronics and Communication Engineering(ECE)	Kuldeep Singh	Assist. Professor	M.Tech (ECE)	Male	01/07/2008
45	Electronics and Communication Engineering(ECE)	Pulkit Sharma	Assist. Professor	M.Tech (ECE)	Male	15/03/2019
46	Electronics and Communication Engineering(ECE)	Sanjeev Kumar	Assistant Professor	M.Tech (ECE)	Male	01/11/2011
47	Mechanical Engineering(ME)	Gaurav Soni	Assistant Professor	M.Tech (ME)	Male	01/02/2017
48	Mechanical Engineering(ME)	Khushmeet Kumar	Associate Professor	PhD	Male	18/09/2013
49	Mechanical Engineering(ME)	Mahesh Kumar	Assistant Professor	M.Tech (ME)	Male	15/01/2014
50	Mechanical Engineering(ME)	Navdeep Sandhu	Assistant Professor	M.E. (ME)	Male	15/01/2014
51	Mechanical Engineering(ME)	Neha Sharma	Assistant Professor	M.E. (ME)	Female	04/08/2014

52	Mechanical Engineering(ME)	Sushma Singh	Assistant Professor	M.Tech (ME)	Female	27/05/2011
53	Mechanical Engineering(ME)	Vibhu	Assistant Professor	M.Tech (ME)	Male	14/07/2014
54	Management Studies(MS)	Abhishek Raizada	Dean MBA	PhD	Male	26/12/2018
55	Management Studies(MS)	Alka Sood	Assistant Professor	MBA	Female	18/08/2015
56	Management Studies(MS)	Avaneesh Chandra Kaushik	Assistant Professor	MBA	Male	16/08/2007
57	Management Studies(MS)	Balraj Verma	Assistant Professor	MBA	Male	08/02/2018
58	Management Studies(MS)	Bhavna Prashar	Assistant Professor	MBA	Female	15/06/2010
59	Management Studies(MS)	Gurjeet Kaur	Assist. Professor	M.Phil (Com.)	Female	27/08/2018
60	Management Studies(MS)	Poonam Kumari	Assistant Professor	Ph.D.	Female	12/08/2011
61	Management Studies(MS)	Pritika Srivastava	Assist. Professor	MBA	Female	04/02/2019
62	Management Studies(MS)	Rajeev Kumar	Assistant Professor	MBA	Male	03/08/2011
63	Management Studies(MS)	Rajender Guleria	Professor/Dean	MBA	Male	31/01/2014
64	Management Studies(MS)	Ravi Kumar mgt	Assist. Professor	PhD	Male	04/02/2019
65	Management Studies(MS)	Ruhi Sharma	Assistant Professor	MBA	Female	19/01/2018
66	Management Studies(MS)	Saruchi	Lecturer	MBA	Female	29/01/2016
67	Management Studies(MS)	Nisha Sharma	Assistant Professor	MBA	Female	28/08/2019
68	Management Studies(MS)	Chitra Kumari	Assistant Professor	MBA	Female	28/08/2019
69	Management Studies(MS)	Varsha Gupta	Assistant Professor	MBA	Female	29/01/2013
70	Agriculture(Agriculture)	Ankita Sood	Assist. Professor	Ph.D	Female	30/07/2018
71	Agriculture(Agriculture)	Aradhana Dohroo	Assist. Professor	Ph.D.	Female	29/05/2018
72	Agriculture(Agriculture)	Manpreet Kaur	Assist. Professor	Ph.D.	Female	04/02/2019
73	Agriculture(Agriculture)	Munish Sharma	Assist. Professor	Ph. D	Male	20/05/2018
74	Agriculture(Agriculture)	Nitish Kumar	Assist. Professor	Ph. D	Male	28/05/2018

75	Agriculture(Agriculture)	Vinit Kumar	Lecturer	M.Sc.	Male	04/09/2019
76	Agriculture(Agriculture)	Harpreet singh	Lecturer	M.Sc.	Male	18/11/2019
77	Agriculture(Agriculture)	Arshdeep Kaur	Lecturer	M.Sc.	Female	20/11/2019
78	Agriculture(Agriculture)	Avnee	Asstt Prof.	Ph.D.	Female	03/02/2020
79	Agriculture(Agriculture)	Savita Rani	Asstt. Prof.	Ph.D.	Female	10/02/2020
80	Agriculture(Agriculture)	Sazia Paswal	Asstt Prof.	Ph.D.	Female	12/02/2020
81	Agriculture(Agriculture)	Jatinder Kumar Sharma	Professor.	Ph.D.	Male	16/04/2018
82	Agriculture(Agriculture)	Rakesh Mohan Bhagat	Prof.Emeritus	Ph.D.	Male	13/12/2019
83	Agriculture(Agriculture)	Keshav Ram Sharma	Associate Prof.	Ph.D	Male	23/09/2019
84	Agriculture(Agriculture)	Amandeep Kaur	Lecturer	M.Sc.	Female	04/09/2019
85	Agriculture(Agriculture)	Sapna Bhagat	Assistant Professor	Ph.D.	Female	20/08/2019
86	Applied Science(AS)	Arush Sharma	Assist. Professor	Ph.D.	Male	03/09/2018
87	Applied Science(AS)	Deepak Verma	Assist. Professor	M.Tech	Male	17/08/2018
88	Applied Science(AS)	Dolly Prabhakar	Lecturer	M.Sc.	Female	03/08/2011
89	Applied Science(AS)	Gourav Gupta	Assistant Professor	Ph.D.	Male	25/08/2015
90	Applied Science(AS)	Harpreet Kaur	Lecturer	M.Phil	Female	22/01/2013
91	Applied Science(AS)	Kumari Anupam	Lecturer	M.Sc.	Female	08/02/2017
92	Applied Science(AS)	Lal Krishan	Lecturer	MSc (Physics)	Male	12/02/2019
93	Applied Science(AS)	Neha Gupta	Lecturer	M.Sc Maths	Female	28/01/2019
94	Applied Science(AS)	Nidhi Gupta	Associate Professor	PhD	Female	01/08/2003
95	Applied Science(AS)	Nitee Singh	Lecturer	M.Sc.	Female	23/02/2018
96	Applied Science(AS)	Pallavi Bhardwaj	Assistant Professor	Ph.D.	Female	21/07/2014
97	Applied Science(AS)	Rishika Bhardwaj	Assist. Professor	Ph.D.	Female	05/09/2018
98	Applied Science(AS)	Sarvesh Kumar Shailesh	Assistant Professor	Ph.D	Male	17/08/2016

99	Applied Science(AS)	Shivangi	Lecturer	MSc (Physics)	Female	04/02/2019
100	Applied Science(AS)	Silky Bensal	Lecturer	M.Sc.	Female	09/02/2017
101	Applied Science(AS)	Suchi Sharma	Lecturer	M.Sc.	Female	13/08/2013
102	Applied Science(AS)	Vaishali Gautam	Lecturer	M.A. (English)	Female	10/04/2019
103	Applied Science(AS)	Vivek Chaudhary	Assistant Professor	M.Sc.	Male	01/08/2003
104	Applied Science(AS)	Yougal Bansal	Lecturer	M.Phil.	Male	28/01/2019
105	Applied Science(AS)	Renu Bala	Assistant Professor	Ph.D.	Female	26/08/2015
106	Applied Science(AS)	Neha Thakur	Assistant Professor	Ph.D.	Female	21/08/2019
107	Applied Science(AS)	Sushil Kumar	Assistant Professor	M.Sc. With NET	Male	21/08/2019
108	Applied Science(AS)	Sarvjeet Kaur	Lecturer	M.Sc.	Female	03/09/2019
109	Applied Science(AS)	Akanksha Singh	Lecturer	M.Sc.	Female	17/09/2019
110	Applied Science(AS)	Anshika Sharma	Lecturer	M.Sc.	Female	29/01/2020
111	Applied Science(AS)	Kiran Bala	Lecturer	M.Sc.	Female	23/09/2019
112	Applied Science(AS)	Sara Khan	Lecturer	M.Sc.	Female	29/01/2020
113	Applied Science(AS)	Vivek Mohan	Lecturer	M.Sc.	Male	05/02/2020
114	Applied Science(AS)	Dheeraj Kumar Shukla	Assistant Professor	Ph.D.	Male	17/02/2020
115	Pharmacy(PH)	Alka Sharma	Assistant Professor	M.PHARM	Female	23/11/2016
116	Pharmacy(PH)	Amanpreet Kaur	Assist. Professor	M.Pharma	Female	30/08/2018
117	Pharmacy(PH)	Bandna Sharma	Assist. Professor	M.PHARM	Female	22/02/2018
118	Pharmacy(PH)	Bhanupriya	Assistant Professor	M.PHARM	Female	22/02/2018
119	Pharmacy(PH)	Disha Pathak	Assistant Professor	M.PHARM	Female	01/08/2017
120	Pharmacy(PH)	Ladli Kishore	Assistant Professor	Ph.D.	Female	01/08/2017
121	Pharmacy(PH)	Lalita Kumari	Assistant Professor	M.PHARM	Female	01/08/2017
122	Pharmacy(PH)	Mukul Kaushik	Assist. Professor	M.PHARM	Male	30/01/2019

123	Pharmacy(PH)	Neeru Malik	Assistant Professor	M.PHARM	Female	22/02/2018
124	Pharmacy(PH)	Neha Sharma	Assist. Professor	M.Pharma	Female	01/02/2019
125	Pharmacy(PH)	Nitin Sharma	Assistant Professor	M.PHARM	Male	01/04/2015
126	Pharmacy(PH)	Nitin Verma	Professor	Ph.D	Male	27/01/2011
127	Pharmacy(PH)	Parul Sood	Assistant Professor	M. Pharama	Female	02/08/2011
128	Pharmacy(PH)	Prerna Thakur	Assistant Professor	M.PHARM	Female	23/11/2016
129	Pharmacy(PH)	Saloni	Assist. Professor	M. Pharama	Female	22/02/2018
130	Pharmacy(PH)	Saroj Kumari	Assist. Professor	M.pharm.	Female	26/07/2019
131	Pharmacy(PH)	Sawati Sharma	Assist. Professor	M.PHARM	Female	03/09/2012
132	Pharmacy(PH)	Shalini Sharma	Assist. Professor	M.Pharma	Female	31/08/2018
133	Pharmacy(PH)	Sheetal Sharma	Assistant Professor	M.PHARM	Female	23/11/2016
134	Pharmacy(PH)	Sumit Jamwal	Assistant Professor	M.PHARM	Male	01/08/2017
135	Pharmacy(PH)	Paras Prakash	Professor	Ph.D.	Male	05/08/2019
136	Pharmacy(PH)	Jagttaran Dass	Professor	Ph.D.	Male	03/10/2019
137	Pharmacy(PH)	Ravinesh Mishra	Associate Professor	Ph.D.	Male	16/08/2011
138	Pharmacy(PH)	Kuldeep Singh	Professor	Ph.D.	Male	06/11/2019
139	Pharmacy(PH)	Satyam Kumar	Professor	Ph.D.	Male	01/11/2019
140	Pharmacy(PH)	Komal Saini	Assistant Professor	M. Pharama	Female	04/02/2020
141	Pharmacy(PH)	Mandeep Sharma	Assistant Professor	Ph.D.	Male	13/02/2020
142	Pharmacy(PH)	Sonia Sharma	Assistant Professor	M. Pharama	Female	03/02/2020
143	Pharmacy(PH)	Mani Pandey	Assistant Professor	Ph.D.	Male	11/03/2020
144	Pharmacy(PH)	Tejvir Singh	Professor Emeritus	Ph.D	Male	12/03/2019
145	Pharmacy(PH)	Vijay Kumar Kapoor	Professor Emeritus	Ph.D.	Male	04/04/2019

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. 265	vc@baddiuniv.ac.in
4	Prof. J.K. Sharma	Registrar	01795 247353 Ext. 214,	registrar@baddiuniv.ac.in
5	Mr. Vivek Choudhary	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 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. Admissions in the first instance will be made on the basis of JEE Mains Score. Remaining vacant seats shall be filled on the basis merit in qualifying examinations approved by the Government.	1,00,500*
	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.	87,000*
BCA		Candidates must have passed 10+2 examination or its equivalent from a recognised Board/ University. Merit as per the marks obtained in qualifying examination.	44,800*
M.Tech	Power Electronics & Drives (EE)	Gate Score	70,800*

	Electronics & Communication Engg. (ECE)	Remaining Vacant seats shall be filled up on the basis of merit in qualifying examination.	
	Computer Science & Engg. (CSE)		
	Software Engg. (CSE)		
	Production Engg. (ME)		
	Structural Engg. (CE)		
Ph. D	ECE	Seats and eligibility as per the approval of statutory body	
	ME		
<u>SCHOOL OF SCIENCES (SOS)</u>			
B.Sc (Non Med.)	<ul style="list-style-type: none">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 optional subjects: Chemistry/ Biology/Computer Sciences/Bio-Technology.Admissions will be made on the basis of 10+2 examination Merit.		40,200
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		40,200
M.Sc Chemistry	Candidates must have passed B.Sc Medical or Non Medical with chemistry as one of the subject from recognized University.		50,100
M.Sc Mathematics	Candidates must have passed B.Sc Mathematics with chemistry as one of the subject from recognized University.		45,600
M.Sc Physics	Candidates must have passed B.Sc Non Medical with Physics as one of the subject from recognized University		50,100
<u>SCHOOL OF MANAGEMENT STUDIES (SMS)</u>			
B.COM	Candidates must have passed 10*+2 examination or its equivalent from a recognized University/ Board.		34,800
BBA	Admissions will be made on basis of 10+2 examination & Personal interview		34,800

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 Entrance 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 qualifying examinations.	1,22,100
Executive-MBA	Candidates must have completed Engineering/ B.Sc/BBA/B.Com/Graduates with 50% marks from recognized university with minimum 2 years of work experience.	1,22,100
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 Biotechnology. Merit in state Government Entrance Test/BUEST Entrance Test. Remaining vacant seats shall be filled up on the basis of merit in qualifying examination.	10,5000
M.Pharmacy	Candidates must have completed graduation (B.Pharm.) from any recognized University with 50% marks	1,20,300
Ph.D	Seats & Eligibility as per the approval from statutory body	
School of Medical Sciences(SOMS)		
SOMS	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. Shall be filled up on the basis of merit in the qualifying examinations.	
School of Nursing (SoN)		

B.Sc. NURSING	Candidates must have passed 10+2 examination or its equivalent from a recognized Board/ University with at least five subjects including English, Physics, chemistry and Biology as compulsory subjects.	67,200
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School of Agriculture Sciences(SOAS)		
SOAS	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 shall be filled based upon the merit in the qualifying exams.	82,500

STRENGTHS OF THE UNIVERSITY

- The Legacy of IET is being carried forward by BUEST.
- State-of-the-art labs, workshops & virtual laboratories.
- Industrial acclimatization through corporate guest lectures & industrial visits.
- Exclusive arena of learning at BUEST library with latest books, e-books, and 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 as the Institute of Engineering & Emerging Technologies (IEET) was established in the year 2002 by 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(EI)
- 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)

DEPARTMENT OF COMPUTER SCIENCES & ENGINEERING

PROFILE

The Department of Computer Science strives for excellence in creating, applying, and imparting knowledge of computer science and engineering through comprehensive educational programmes, research in collaboration with industry and government dissemination through scholarly publications and is serving to professional communities, society, state and the nation. The department has six well equipped Laboratories viz. Artificial Intelligence lab, Multimedia Lab, Database management Systems lab, Programming Lab with latest hardware and softwares. There is also a 145 Mbps leased line providing 24 hour Wi-Fi and Internet Facility throughout the campus.

ACADEMIC PROGRAMMES

The Department of Computer Science & Engineering is running three academic programs.

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

ACADEMIC ACTIVITIES

- To Ensure Proper Academic Discipline in the Department, Corridor Duty Chart is 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 the university.
- **Pre-Placement Classes:** PDP & Technical Preparatory sessions (morning & evening) are conducted to brush up the skills of the final year CSE students.
- **Workshops Conducted:**
 - ❖ One day Workshop was scheduled for all the CSE students on 29/11/2019 on Emerging Trends in Cyber Security' in SEET Seminar Hall.
- **Project Based Industrial Training:-** Around 141 students of CSE are involved in the Project based industrial summer training in **Front-end** Web Development Course (HTML, CSS, Javascript, Bootstrap, Angular JS) and **Back-end** Development Course (Python, MYSQL, Django) in different companies.

STUDENT ACHIEVEMENT'S:-

B.Tech-CSE 2016-2020 Batch				
Sr. No.	Bupin ID	Name of Student	CGPA	Passing Year
1	16UCS026	Ajay	8.2	2020

2	16UCS052	Sumit	8.0	2020
3	16UCS015	Sparsh	8.0	2020
4	16UME008	Ankush	7.0	2020
5	16UCS001	Rahul	7.5	2020
6	16UCS013	Muddit Gupta	8.0	2020
7	16UCS007	Shubham	7.5	2020
8	17LCS002	Swapnil Sood	7.5	2020
9	16UCS051	Asha Kumari	8.6	2020
10	16UCS043	Simranjeet	9.0	2020
11	16UCS004	Priyanshu	6.4	2020

OTHER ACTIVITIES:-

- ❖ **Student-innovation club** in 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 to brush up the skills of the students for placement.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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 promotes innovation, research and teamwork capabilities in students so that they can serve diverse needs of society. The department has good and consistent placement record with students placed in many Core and IT companies.

The department is well equipped with modern laboratories 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

Department of Electronics & Communication Engineering is running following academic programs:

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

STUDENTS' ACHIEVMENTS

2016(BATCH)			
S. No	Student Name	Roll No	CGPA
1	Abhishek	17LEC001	8.21
2	Ankit Chaudhary	16UEC006	8.10
3	Anil Kohli	16UEC005	7.51

CLUBS FORMED IN THE DEPARTMENT:

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

Aesthetic club "**Artonica**" has been formed in ECE Department. 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 ever advancing economical and technological development, 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 of 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 street theatre, etc. Apart from providing a platform 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 young folk. 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 club provides recreational participation opportunities and encourages students to try something new. It is a gateway for students to make new friends or have a bit of fun in the campus. The activities, which include leagues and tournaments, are all about participating in amicable competition and developing 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 achieve this end, various lectures, workshops, projects as well as competitions keep the calendar busy throughout the year focusing on both analog as well as digital electronics. 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, we can aim to reach the top. Creativity, Innovation and Application is our motto.

DEPARTMENT OF ELECTRICAL ENGINEERING

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 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 secure a successful career for each one of them. BUEST has an unbeaten track record of placements for its students due to its state-of-the-art infrastructure and highly experienced faculty that keeps itself updated on the latest developments in their field of expertise. Job opportunities are available in all the areas of Electrical Engineering such as Junior/Apprentice Engineer in Electrical Industry, Support Engineer, Sales Engineer, Teaching, Power Protection, Load Dispatch and Load Flow and IT enabled services. 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 which make them comfortable to choose electronics, Computer and IT based career. These areas may also be opted for higher studies. Moreover, 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 there 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

STUDENTS' ACHIEVMENTS

2019(BATCH)B.TECH			
S. No	Student Name	Roll No	CGPA
1	Himani	15UEE001	8.53
2	Mukesh Kumar	16LEE002	8.43

2019(BATCH)M.TECH			
S. No	Student Name	Roll No	CGPA
1	Mahender	17PEE002	9.6
2	Bhupender	17PEE005	9.5
3	Tanubhav	17PEE003	7.92

2020(BATCH) M.TECH			
S. No	Student Name	Roll No	CGPA
1	Ashish Sharma	18PEE103	10
2	Ashish	18PEE101	8.67
3	Sandeep	18PEE102	8.50

IN HOUSE FDP CONDUCTED

S No.	Faculty Name	Topic Covered
1	Ms. Geena Sharma	Reactive power flow control
2	Ms. Ruchika Sharma	Stand Alone Photovoltaic System
3	Mr. Abhinav Dogra	Power quality Issues and Soft computing based assessment
4	Ms. Manisha Verma	Introduction to smart grid
5	Mr. Vijeta Verma	Distribution System
6	Mr. Ishan Thakur	Load Dispatch
7	Ms. Geena Sharma	Power Quality
8	Ms. Ruchika Sharma	Multilevel Inverter in PV Systems

DEPARTMENT OF MECHANICAL ENGINEERING

PROFILE

Mechanical Engineers deal with concepts such as mechanics, thermodynamics, robotics, kinematics, structural analysis, fluid mechanics, Robotics and Automation, Computer aided Designing (CAD) 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:

- **Department of Mechanical Engineering** offers a full time, four years **Bachelor of Technology** program in **Mechanical Engineering** and **Mechatronics Engineering**. The students acquire the knowledge of 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 one specialization:
 - Production Engineering
- **Academic Adoption** is a four years program which aims in providing students with hands-on experience in industry while pursuing 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 fulfil the academic requirement.
- **Ph.D** in Mechanical Engineering (Full-time).

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 Interchange ability Laboratory
- Automobile Engineering Laboratory
- Applied Thermodynamics Laboratory
- Measurement and Control Laboratory
- Heat Transfer Laboratory
- Workshop

STUDENT'S PROJECTS:

Project based Learning (PBL)

Model of Pelton Turbine Runner
Model of Hydraulic Jack

Working model of piston cylinder arrangement
Working model of single pass cross flow heat exchanger
To study about various actuators used in fluid power system
Model of Room Air conditioner
Working model of gear system
Working model of reaction and impulse turbine
Model of Constant Mesh Gear Box
Design a pneumatic circuit using quick exhaust valve
To study and demonstration of cylindrical robot
Model of vapour compresion refrigeration system
Method Study for different jobs made in Workshops.
Time study of different types of jobs made in Machine shop

Major Projects

Dual Axis Solar Tracker
Automatic Wheel Chair cum Bed
Solar Desert Cooler
Automatic Sliding Gate
Automated waste Segregator
Intelligence Braking System
Effect of Heat Treatment Processes on Mechanical Properties of Steel Alloys
Wall Climbing Robot

DEPARTMENT OF CIVIL ENGINEERING

PROFILE

Civil Engineering is the art of directing the great sources of power in nature for the use and convenience of man; being that practical application of the most important principles of natural Philosophy which has in a considerable degree realized the anticipations of Bacon and changed the aspect and state of affairs in the whole world. It refers to the practice of organizing the design and construction of any artifice which transforms the physical world around us to meet some recognized need.

Department of Civil Engineering, established in the year 2008, under the aegis of Baddi University of Emerging Sciences and Technology, Baddi can boast of its state-of-art Infra-structure, well equipped laboratories, an exclusive computer lab with latest Civil Engineering software's and not to mention the vastly experienced faculty having international exposure to their credit. The aim of the department is to impart quality education and groom budding Civil Engineers to be effective contributor to the society, nation and the world as a whole. At present department runs four year program leading to the award of bachelor's degree in Civil Engineering and has started M.Tech program in Structure Engineering.

Projects Evaluated

- Prepared the plastic road on flexible pavement by using LDPE.
- Prepared the working model of slow melting concrete.

Major Project

Department of Civil Engineering List of Major Project Topics and Guides

Sr. No.	Name of Student	BUPIN	Name of Project Allotted	Name of Guide
1	Aniket Thakur	16UCE020	Pervious Concrete	Er. Satya Pal Singh (Assistant Professor)
2	Yakshit Prashar	16UCE037		
3	Ritish Prashar	16UCE010		
4	Vivek Chauhan	16UCE015		
5	Hitesh Thakur	16UCE007		
6	Sahil Thakur	16UCE001	Survey and Pavement health analysis	Er. Satya Pal Singh (Assistant Professor)
7	Rishabh Sohal	17LCE006		
8	Shubham Sharma	16UCE022		
9	Taufiq Tariq	16UCE025		
10	Faizan Hassan	16UCE008		
11	Pawan Gupta	16UCE006	Effects of Partial Replacement of Fine	Er. Panshul Jamwal (Assistant Professor)
12	Abhishek Patyal	16UCE002		
13	Rishika Pathania	16UCE004		

14	Shubham Sharma	16UCS014	Aggregate with Rice	
15	Amit Kumar	17LCE002		
16	Harshit Sharma	17LCE004		
17	Rishabh Kumar	17LCE007		
18	Tulsi Kumar	16UCE013	Interlocking tiles by Plastic waste	Er. Lokeshwar Sharma (Assistant Professor)
19	Sourav Thakur	16UCE014		
20	Anuj Sharma	16UCE016		
21	Sourav Singh	16UCE021		
22	Mayank Bisht	16UEE017	Construction of Hydraulic Bridge	Er. Neha (Assistant Professor)
23	Tejasvi Kumar	16UCE005		
24	Manmohan Singh	16UCE036		
25	Lashay Samraik	16UCE029		
26	Arun Chauhan	16UME003	Eco Friendly Campus	Er. Rohit Sharma (COD-CE)
27	Anshul Kanwar	16UCE003		
28	Dheeraj Kumar	16UCE011		
29	Ankit Gokul	16UCE027		
30	Jitender	16UCE030		
31	Abhishek Kumar	17LCE001		
32	Tenzin Chhoseng	17LCE008		
33	Shubham Sharma	16UCE023		

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 accompanied by avant-garde scholarship. The broad objective of setting up the department is to prepare successful technocrats in IT industry and establishments by providing a suitable environment for learning and research in the core and emerging areas of the discipline. 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:

- ❖ BCA(3 years)
- ❖ MCA(3 years)
- ❖ MCA(Lateral entry-2years)

Achievement of Students:-

Students of MCA department went to companies and made projects in different technologies. Few of them are:-

Sr. No.	Bupin ID	Name	Project Name
1	18LCA002	Reetu	"Online Food Delivery"
2	18LCA001	Nutan Sharma	"Music Concert"
3	17LCA011	Shubam Sharma	"E-SHOPPING"
4	18LCA004	Monika	"Tour & Travel"
5	18LCA003	Pardeep Kumar	"BOOK CLUB"

SCHOOL OF MEDICAL SCIENCES

PROFILE

School of Medical Sciences (SOMS) has been started at Baddi University in 2019 with the aim to offer diverse educational programmes that facilitate the development of competent professionals and valuable citizens.

ACADEMIC PROGRAMS

- **Bachelor's of Physiotherapy (BPT)**, 4.6 years programme

FACILITIES

- Physiotherapy OPD
- Electrotherapy Lab
- Exercisetherapy Lab

SCHOOL OF PHARMACY & EMERGING SCIENCES

PROFILE

School of Pharmacy & Emerging Sciences (SPES) has been established at Baddi University in 2007 to provide quality education, training and carry out research in Pharmaceutical Sciences. SPES is located at Asia's biggest Pharmaceuticals hub and is home to some of the largest pharmaceutical companies including Cipla, Dr. Reddy's Laboratories, Cadila Healthcare, Torrent Pharmaceuticals, Abbott Laboratories, Ranbaxy Laboratories, and Manjushree Technopack.

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 8 doctorates in pharmaceutical sciences and more than 5 faculty members are on the verge of completing the doctorate degree. 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 conducts 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 PROGRAMMS

- **D. Pharmacy**, Two years programme, approved by AICTE, New Delhi and Pharmacy Council of India, New Delhi.
- **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, Pharmacology 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 & Pharmaco-informatics Laboratory
- Computer Centre

DEPARTMENTAL ACHIEVEMENTS

- First amongst all pharmacy institutions of north-west region to implement latest syllabi as recommended by Pharmacy Council of India (PCI) from session 2016-17.
- First amongst all pharmacy institutions of India to impart skill development programme in Pharmaceuticals accredited by Life Sciences Sector Skill Development Council, New Delhi.
- First amongst all pharmacy institutions of Himachal Pradesh to start its own international Journal in March 2016 entitled “Emerging Trends in Pharmaceutical Sciences” with renowned International and National Experts as Members of Editorial & Advisory Board.
- DBT-Skill Vigyan Project in collaboration with HIMCOSTE, Shimla.
- More Than 300 research publications & several MoUs with Pharmaceutical Industries.

STUDENTS' ACHIEVEMENT

Sr. No.	BUPIN	Name	Father's Name	CGPA	Passing	Award
GPAT QUALIFIED STUDENTS						
1	16UPH077	Muskan Aggrawal	Mr. Ramesh Aggrawal	2020 GPAT Qualified		
2	16UPH110	Ram rattan	Mr. Sanwar Mal	2020 GPAT Qualified		
NIPER QUALIFIED STUDENT						
1	16UPH077	Muskan Aggrawal	Mr. Ramesh Aggrawal	2020 NIPER Qualified		
DIPSAR QUALIFIED STUDENT						
1	16UPH110	Ram rattan	Mr. Sanwar Mal	2020 DIPSAR Qualified		

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. promotes long-term, interdisciplinary, and integrated learning experience with real world issues and practices. Students are encouraged to work with people of divergent expertise which helps in the refinement of skills, and provide 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 implying new techniques 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 solver, 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 course relevant to the global needs. The course is designed to 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
 - Digital Marketing
 - Retail Management

- Pharmaceutical Management (in association with Abbott Health Care Pvt. Ltd.)
- Executive-MBA
- **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 gets 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.

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, Microbiology 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)
- M.Sc (Mathematics) (Two years regular)
- M.Sc (Microbiology)(Two years regular)

LAB FACILITIES

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

EXTERNAL SUBJECT EXPERT OF RESEARCH DEGREE COMMITTEE

- Dr. Arush was invited as an External Subject Expert of RDC to review the research progress of Ph.D Thesis at IEC University on 31st Jan 2020.

FACULTY DEVELOPMENT PROGRAM

- An in-house FDP on '**Stress and Stress Management**' was organized by School of Sciences (SOS) on Feb. 6, 2020. The Speaker was Ms. Vaishali Gautam, Faculty-English. It was aimed to reduce the stress levels of faculty. The FDP covered some beneficial stress management techniques such as Exercise, Yoga, taking Omega 3 rich food, Mindfulness, Guided Imagery etc.

POWER POINT PRESENTATION COMPETITION

- Satyam Chauhan, student of M.Sc. Microbiology (3rd Sem) participated in Power Point presentation Competition organised by Baddi University held on Nov.19, 2019 and got second position.

BUEST NURSING COLLEGE

PROFILE

BUEST Nursing College was established in Oct. 2018. Nursing is based on values of caring and aims to help individual to attain independence in self care. Nursing education programme prepares its graduates to become exemplary citizen by adhering to code of ethics and professional conduct at all times in fulfilling personal, social and professional obligations so as to respond to national aspirations.

COURSES OFFERED

- B. Sc. Nursing 4 year programme

LAB FACILITIES

- Nursing Foundation lab
- Nutrition lab
- Anatomy and physiology lab
- Community health nursing lab
- A.V. aids lab
- Maternal and child health nursing lab

STUDENT'S ACHIEVEMENTS:

a) B.Sc. (Nursing) 1st year

S. No	BUPIN	Student's Name		Rank
1	18unu008	Harika thakur	Science quiz	Third

b) B.Sc. (Nursing) 2nd year

S. No	BUPIN	Student's Name		Rank
1	18unu008	Harika thakur	Plastic free campaign (PPT Competition)	First

SCHOOL OF AGRICULTURAL SCIENCES

PROFILE

The School of Agricultural Sciences was established in the year 2018 to meet the new challenges of the fast evolving agricultural production systems, which necessarily entail a complete metamorphosis of agricultural education-teaching, research and extension. Recognizing the great responsibility of creating an all encompassing educational ecosystem, the School has been modeled for professional excellence with all round personality development of the students. Our amazingly student-centric, state-of-the-art lecture rooms and laboratories create a pleasant learning experience.

Teaching is imparted in different courses by using interactive teaching learning methodology. Students are provided guidance to excel in activities such as group discussions, interviews, public speaking etc. which today are the tools of selection process during placements in reputed business concerns.

The School started B.Sc.(Hons.) Agriculture, degree programme from the academic year 2018-19 with the first batch of 37 students and presently there are two classes (1st, 2nd year) with total strength of 58 students. In a short period since its inception, the SOAS could boast of good infrastructure such as, well equipped laboratories, farms, and departmental library with adequate number of books meeting the requirement of all courses as per the ICAR/5th Deans Committee recommendations. The School attaches great importance to maintaining high professional standards in dispensing education, to turn out highly competent professionals to address the needs of various sectors of the Indian economy.

COURSES OFFERED

- B.Sc. (Hons.) Agriculture

LAB FACILITIES

- Agronomy/Soil Science Lab
- Entomology Lab
- Plant Breeding & Genetics, Plant Pathology Lab
- Agri. Engineering Lab
- Horticulture/Vegetable Science Lab

In January 2020 the Board of Studies was reconstituted with Dean SOAS as the Chairman and five other members from the senior faculty.

In its meeting convened on 5th February, 2020 the Board of Studies discussed and approved educational tour for the 2nd year students. The educational tour included a visit to Dr YSP University of Horticulture & Forestry, Solan for practical exposure of the students to various activities of the university in different fields of specialization. Special lectures from senior subject experts serving in other universities were also conducted for the benefit of the students.

EXTRA-CURRICULAR ACTIVITIES

Many students of SOAS are active sportsmen and have won prizes in various competitions during the year. Pradeep Kumar, a student participated in the national level football championship held at IIT Mandi.

Mr. Astitva, a student of SOAS, was assigned an active role in hospitality, during the National Boxing Championship held in the University. Devashish, another student took up anchoring during the event and received wide appreciation for his skills.

FARM ACTIVITIES/PLANTING OF GENETIC MATERIAL

Different varieties of wheat, oilseeds, cabbage, etc were planted by the students. All the field activities, viz. bed preparation, sowing and other cultural practices were performed by the students.

The students were exposed to various farm operations like weeding hoeing, spraying of herbicides/pesticides, irrigation practices, etc. Other farm activities included sowing of breeder' seed, organically growing vegetables, etc. were also performed by students.

UNIVERSITY ACTIVITIES

- **National Level Boxing Championship:-** National Level Boxing Championship “4th Elite National Men’s Boxing championship” was conducted from 4th oct 2019 to 10th oct 2019. Various Faculty and staff members of the University volunteered in organising the National level event with all the success in the campus.

ENGINEER’S DAY

Engineer’s Day 2019 was organized jointly by the department of Electronics and Communication Engineering on 13th Sept, 2019. Various **Technical Competitions** are organised in the Department of Electrical, Electronics, Mechanical, Civil and Computer Engg. in the University. These events attracted a very wide spread participation across various departments of university. The events listed as Component Identification, Technical quizzes, Technical Paper Presentation are organised. Projects in the areas of IT Software Designing, Application Software Designing, Internet of Things (IOT), Embedded System Designing and Mobile Application Developments are presented by students, followed by cultural events were the distinctive features of this Technical Competition.



NATIONAL SCIENCE DAY CELEBRATION

- School of Sciences celebrated National Science Day on 27th Feb, 2020. **Ms. Vaishali Aggarwal, Director, Scott-Edil Group** was invited as the Chief Guest for the event.
- An **Expert talk** was delivered by **Prof. (Dr.) Indu Pal Kaur, Panjab University, Chandigarh** on the theme of National Science Day- 2020: ‘**Women in Science**’. She delivered an informative lecture focusing on the significant contributions women have made to science with an effort to make women scientists more visible to the general public.
- Activities such as Science exhibition, Quiz and Debate were organized, followed by a cultural extravaganza and certificates were distributed to the winners.

International Nurses Day

International Nurses day was celebrated around the world on 12 May every year, on the birth anniversary of Florence Nightingale founder of Nursing Profession. Every year theme is chosen by international council of nurses. This year the theme for International

Nurses day 2020 was -: "Nursing the world to health", with the focus on the "True value of nurses to the people of the world".

Day was celebrated by B.Sc. Nursing students through online poster competition based on the theme.

International Cancer Day

A role play was organized by B.Sc. Nursing students of BUEST Nursing College on dated 04/02/2020 at CHC Nalagarh hospital on **World Cancer Day**. Theme for world Cancer Day was: "I am and I will" marked by 4 Feb. 2020 to raise awareness of cancer among public. Objectives of role play organized at CHC hospital Nalagarh was to provide awareness regarding various factors related to occurrence of disease and to identify the early sign and symptoms of cancer among the individual. Early detection and treatment can lead to cure completely in certain cases. Self awareness can prevent complications at the earliest stage of cancer.

Role play is the easiest way of communication for such kind of information regarding to make the public aware to sustain their health.

Awareness programme on AIDS Day

World's AIDS day was celebrated by the students of BUEST Nursing College on 1 Dec, 2019 theme for the year 2019 was "Communities Make the Difference".

World health day

World health day was organized at BUEST Nursing College, Baddi University on dated 7/4/20. The theme for world health day 2020 was "SUPPORT NURSES AND MIDWIFE". A lecture was delivered by Prof Amarjit Kaur on topic 'Health'.

Vanmahotsava

The students of SOAS celebrated Vanmahotsava by planting tree saplings in the University campus to create awareness about the climate change and its consequences for our environment.

The students of SOAS actively participated in the Parthenium Eradication Week. Besides the students participated in field layout and planting of crops along with raising different crop varieties for experimental purpose.

INITIATIVES TAKEN BY UNIVERSITY

ACADEMIC PROGRAMMES

- **Department of Civil Engineering** offers a full-time, four-year B.Tech program. This course inculcates in students the skills of management through a real-world curriculum in order to prepare them for managing every aspect of Civil Engineering, and for its growth and stability, depending on the overall goals.
- **Master of Technology** offers a full time Post graduation Program Structural Engineering

LABORATORIES/FACILITIES

- **Structure Analysis Lab.:** Civil Engineering is basically associated with the analysis of structural components like beams, columns etc. These components are tested in the SA-Lab.
- **Soil Mechanics Lab.:** Foundation of the building is laid over the soil which bears the complete load of all the components of the building. Bearing capacity of the soil is tested in the soil mechanics lab.
- **Concrete Lab.:** Concrete is the core material for the construction of a building which is test in the Concrete lab. For finding out its various mechanical properties.
- **Highway Engineering Lab.:** The Highway Engineering Laboratory is a teaching and research laboratory equipped to conduct standard tests for asphalt pavement design and paving materials for undergraduate teaching, as well as advanced research-oriented experiments for assessing the engineering properties and behaviours of new paving materials. It is also well equipped to support research activities in the area of non-destructive field evaluation of in-service road and airport pavements. In addition, the laboratory carries a good collection of in-house developed software for closed-form analysis of pavement responses under traffic and thermal loadings, pavement properties back calculation, and laboratory and field permeability determination of porous pavement materials.
- **Surveying Lab.:** The Surveying Lab is equipped with the instruments and tools that students use throughout the surveying course. Students learn techniques for gathering field data with both traditional and modern instruments and demonstrate their proficiency on weekly lab exercises and a comprehensive semester project and final exam. Each lab group - typically three students has a dedicated set of instruments to use, including auto level, theodolite, and total station. Each group also has level rods, tripods, tape measures, chaining pins, and other common surveying tools and ancillary equipment.
- **Fluid Mechanics Lab.:** The Fluid Mechanics Laboratory is an integral part of the Civil Engineering Department and Fluid Mechanics Lab is to run demonstrative experiments to Civil and Mechanical students. The Fluid Mechanics course is an introduction to the mechanics of incompressible and compressible fluids. It covers the principles and more important theories of modern fluid mechanics. The Fluid Mechanics Laboratory course is an indispensable supplement to the theory. It covers measuring devices and techniques, error analysis in experimental works and analysis of assumptions in the theory of fluid mechanics.

- **Civil Software Lab.:** This lab deals with the software's associated with Civil Engineering. It is having STAAD Pro. Vi8 Version and AutoCAD Latest Version for the advanced learning of students.

HOSPITAL VISIT

Sr. No.	Date	Year	Year & No. of Students Visited	Name of the Hospital Visited	Name of the Faculty Members Visited
1	20 December	2019	BPT 2 nd Year No. Of students- 07	Gracian Hospital Mohali	Dr. Ankush Sharma Dr. Ashish Tehraik

VISITS TO THE CAMPUS BY THE LOCAL SCHOOLS

Students from local schools (which teach agriculture as one of the vocational courses) often visit our school and farms to familiarize themselves with the agricultural education and research activities at SOAS. Two such visits were made by the students from local school Nalagarh, to our farms and laboratories. The faculty including Dean, SOAS interacted with the students.

SHORT TERM COURSES ATTENDED

Teachers are motivated to attend training/research courses outside the University. Dr Aradhana Dohroo attended one month's course on advancements in Microbiology at Tamil Nadu Agricultural University, Coimbatore, to hone her analytical skills. Ms Sapna Bhagat took her viva voce examination for fulfillment of requirements for her Ph.D degree.

PRIZES AND AWARDS

The students of SOAS won 1st prize for their projects, "Solar Insect Trap" and "Multiple Farming" in the Geek Expo of Science & Technology in the EMANATION 2019 organized by BUEST.

OTHER ACTIVITIES

- 1) 21 days survey camp has been conducted in the University campus by the 4CE students.
- 2) Assistant professor of Civil Engineering Department Mr. Rajan Gautam is working for Skill India Development Program of the University.
- 3) Teaching Assistant of Civil Engineering Department Mr. Panshul Jamwal is working for Digital marketing of the University.
- 4) Faculty of Civil Engineering Department Ms. Neha is working in student counselling.
- 5) Engineers day celebrated in SEET Department on 13/09/2019
- 7) Students placed in Alcoi India on 27/09/19. They joined their duties from 1 October 2019.

8) 4/10/2019- 11/10/2019: 4th Men's National Boxing Championship: Faculties have given the duties in this event during the time period.

1. Er. Rohit Sharma
2. Er. Satyapal Singh
3. Er. Lokeshwar Sharma
4. Er. Panshul Jamwal
5. Er. Anmol Dhiman

Students from Civil department also participated with great enthusiasm in this event.

- The IQAC Meetings in participation with students were regularly convened to improve the quality of education.
- External examiners were identified from other Universities like CSKHPKV Palampur, Dr. YSP University of Horticulture and Forestry Solan, SKUAS Jammu, and PAU Ludhiana, as per recommendations of the 5th Deans Committee.
- A few new instruments like Incubators and Microscopes were acquired for the School Labs during the year.
- The SOAS is constantly endeavoring to improve the library facilities.
- One hundred forty two new text books were added to the departmental library during the year.
- To groom overall personality of the students PDP has been added as a regular course.

ACHIEVEMENTS OF DEPARTMENT:

- Three students (B.Tech ME Final year) under Academic adoption program got the placement offer letter based on their performance.
- An Awareness Lecture for pursuing higher studies in Abroad was organized for ME students
- Ms.Sushma Singh, Asstt. Prof. (ME) has completed her State-of-the-Art Seminar on 19th February, 2020.
- One day workshop on "Digital Manufacturing Technologies" was organized on 19th, February, 2020 for 6th and 8th semester students.
- One faculty Member Dr.Vibhu Sharma has completed his Ph.D.
- One day workshop on Intellectual Properties and Innovation Management by Baddi University in association with Chandigarh Region Innovation & Knowledge Centre
- One faculty member Attended Tata Steel E-learning course on Heat Treatment of steel and Measuring Instrument.
- Aptitude session and Technical Session Programme was introduced to students of 8ME by the Department which results in a good placement of the students.
- Engineer's Day Celebration on 15 Sep. 2019 comprising of events like technical quiz, idea generation, project exhibition, etc.
- One faculty member has attended 3days International webinar on 'New Approaches in Mechanical Engineering' organised by JSS Academy of Technical Education, Noida.
- One faculty member has attended FDP on IOT and Machine learning at Chitkara University.

PUBLICATIONS OF THE UNIVERSITY

Publications/Conference/Workshops/Guest Lectures/Industrial Visit

Publications

1. Nitin Sharma, Arti Thakkar and Ganti Subramanya Sarma ***"RP-HPLC Method development for estimation of Sildenafil Citrate in Tablets & in Seminal Fluid"*** Journal of Applied Pharmaceutical Sciences , Vol-2, Issue No.-6, Page No.172 to 178, ISSN No. 2231-3354 & Year 2012.
2. Ankit Tyagi, Nitin Sharma, and Arti Thakkar ***"HPTLC-Densitometric & RP-HPLC Method development & Validation for determination of Salbutamol Sulphate, Bromhexine Hydrochloride & etophyline in Tablet Dosage Forms"*** Journal of Pharmaceutica Analytica Acta", Vol-6, Issue No.-3, Page No.1 to 9, ISSN No. 2153-2435 and Year 2015.
3. Yogesh Upadhyay, Nitin Sharma and Ravinder Kumar Rawal ***"Simultaneous Estimation and Statistical Evaluation of Developed Validated Methods for Combined Drugs in Marketed Formulation"***, Journal of Pharmaceutical Research, Vol-12, Issue No.1, Page No. 23 to 29, ISSN No.0973-7200 and Year 2013.
4. Lalita Chauhan and Saloni ***"Formulation and Evaluation of Novel Herbal Antidiabetic Transdermal Ptach"***, Journal of Innovations in Pharamaceuticals and Pharmacotherapy, Vol No.6, Issue No.4, Page No.55 to 58, ISSN No. 2395-0781 and Year 2018.
4. Pallavi Bassi and Gurpreet Kaur ***"Fenugreek gum derivatives with improved bioadhesion and controlled drug release: In vitro and in vivo characterization"***, Journal of Drug Delivery Science and Technology, Vol No.29, Page No.42 to 54, ISSN No.1773-2247 and Year 2015.
5. Sonia Kamboj, Nitin Sharma and Tilak Raj Bhardwaj ***"SPECTROPHOTOMETRIC DETERMINATION FOR SIMULTANEOUS ESTIMATION OF BERBERINE AND CURCUMIN IN HERBAL EXTRACT MIXTURE AND POLYHERBAL FORMULATION"***, Journal of Inventi Impact: Pharm Analysis & Quality Assurance, Vol No. 2014, Issue No.1, Page No.1181 to 1194, ISSN No. 2229-4198 and Year 2014.
6. Vivek Swarankar, Nitin Sharma and Ganti Subramanya Sarma ***"UV-Vis Spectrophotometric Method Development & Validation for simultaneous estimation of Amlodipine Besylate, Olmesartan Medoxomil & Hydrochlorthiazide"***, Journal of Inventi Rapid: Pharmaceutical Analysis & Quality Assurance, Vol No. 2013, Issue No. 3, Page No. 1037 to 1050, ISSN No. 0976-3813 and Year 2013.
7. Lalita Chauhan, Perna Thakur and Sheetal Sharma ***"Microemulsion: New vista in novel drug delivery system"***, Journal of Innovations in Pharamaceuticals and Pharmacotherapy, Vol.No. 7, Issue No. 2, Page No. 37 to 44, ISSN No. 2395-0781 and Year 2019.
8. Anupam Kumari ***"Formulation and Evaluation of Transdermal Patches of Glimepiride"***, Journal of International Journal of Pharmacy & Technology, Vol No. 12, Issue No. 1, page No. 32060 to 32076, ISSN No. 975-766X and year 2020.

9. Lalita Chauhan, Prerna Thakur and Sheetal Sharma ***"Hydrogels: A Review on preparation methods, classification, properties and its applications"***, Journal of Indo American Journal of Pharamaceutical Sciences and Research, Vol No. 6, Issue No. 6, Page No. 490 to 503, ISSN No. 2349-7750 and Year 2019.
10. Lalita Chauhan, Prerna Thakur and Sheetal Sharma ***"DIABETIC FOOT ULCER: A REVIEW ON ITS PATHOPHYSIOLOGY, CLASSIFICATION AND AYURVEDIC TREATMENT"***, Journal of European Journal of Biomedical AND Pharmaceutical sciences, Vol No. 6, Issue No. 10, Page No. 144 to 155, ISSN No. 2349-8870 and Year 2019.
11. Anupama Kumari ***"A REVIEW ON DESIGN AND EVALUATION OF TRANSDERMAL PATCHES"***, Journal of International Journal of Pharmacy & Technology, Vol No. 12, Issue No. 1, Page No. 7023 to 7053, ISSN No. 975-766X and Year 2020.
12. Lalita Chauhan, Prerna Thakur and Sheetal Sharma ***"TRANSDERMAL DRUG DELIVERY SYSTEM: A REVIEW ON ITS TYPES, BASIC COMPONENTS, PREPARATION METHODS AND RECENT ADVANCES"***, Journal of European Journal of Biomedical AND Pharmaceutical sciences, Vol No. 6, Issue No. 10, Page No. 123 to 134, ISSN No. 2349-8870 and Year 2019.
13. Sonia Sharma and Shweta Agarwal ***"Formulation and Evaluation of bilayer tablet of Ambroxol HCl and Desloratadine for the treatment of seasonal Allergic Rhinitis associated with Cough"***, Journal of World Journal of Pharmaceutical Research, Vol No. 7, Issue No. 13, Page No. 652 to 664, ISSN No. 2277-7105 and Year 2018.
14. Lalita Chauhan, Prerna Thakur and Sheetal Sharma ***"NOVEL DRUG DELIVERY SYSTEM: A REVIEW"***, Journal of European Journal of Biomedical AND Pharmaceutical sciences, Vol No. 6, Issue No. 12, Page No. 180 to 189, ISSN No. 2349-8870 and Year 2019.
15. Sheetal Sharma, Lalita Chauhan and Prerna Thakur ***"Development and evaluation of antiaging herbal topical formulation"***, Journal of International Journal of Pharmaceutical Science and Research, Vol No. 4, Issue No. 3, Page No. 46 to 52, ISSN No. 2455-4685 and Year 2019.
16. Lalita Chauhan and Prerna Thakur ***"A review on mouth dissolving tablets"***, International Journal of Pharmaceutical Science and Research, Vol No. 4, issue No. 3, Page No. 53 to 61, ISSN No. 2455-4685 and Year 2019.
17. Prerna Thakur , Lalita Chauhan, and Sheetal Sharma ***"Preparation and evaluation of polyherbal hydrogels formulation for diabetic foot ulcer"***, Journal of Innovations in Pharamaceuticals and Pharmacotherapy, Vol No. 7, Issue No. 3, Page No. 61 to 65, ISSN No. 2395-0781 and Year 2019.
18. Lalita Chauhan and Shalini Gupta ***"REVIEW ON NANOEMULSION: AN ADVANCED MODE OF DRUG DELIVERY SYSTEM"***, Journal of World journal of Pharmacy and Pharmaceutical Sciences, Vol No. 4, Issue No. 3, Page No. 55 to 62, ISSN No. 2345-4357 and Year 2020.

19. Lalita Chauhan and Shalini Gupta ***“Creams: A Review on Classification, Preparation Methods, Evaluation and its Applications”***, Journal of Drug Delivery and Therapeutics, Vol No. 10, Issue No. 5, Page No. 281 to 289, ISSN No. 2250-1177 and Year 2020.
20. Gurpreet Kaur, Mohit Mahajan and Pallavi Bassi ***“Derivatized Polysaccharides: Preparation, Characterization, and Application as Bioadhesive Polymer for Drug Delivery”***, International Journal of Polymeric Materials and Polymeric Biomaterials, Vol. No. 62, Issue No. 9, Page No. 475 to 481, ISSN No. 1563-535X, 0091-4037 and Year 2013.
21. Pallavi Bassi and Gurpreet Kaur ***“pH modulation: a mechanism to obtain pH-independent drug release”***, Journal of Expert opinion on Drug delivery, Vol No. 7, Issue No. 7, Page No. 845 to 857, ISSN No. 1742-5247 and Year 2010.
22. Pallavi Bassi and Gurpreet Kaur ***“Bioadhesive vaginal drug delivery of nystatin using a derivatized polymer: Development and characterization”***, European Journal of Pharmaceutics and Biopharmac, Vol No. 96, Page No. 173 to 184, ISSN No. 0939-6411 and Year 2015.
23. Pallavi Bassi and Gurpreet Kaur ***“Polymeric films as a promising carrier for bioadhesive drug delivery: Development, characterization and optimization”***, Journal of Saudi Pharmaceutical Journal, Vol No. 25, Issue No. 1, Page No. 32 to 43, ISSN No. 1319-0164 and Year 2017.
24. Harpreet Kaur, Pallavi Bassi and Tausif Monif ***“Development and validation of high performance liquid chromatographic method for analysis of clozapine”***, Pakistan Journal of Pharmaceutical Sciences, Vol No. 26, Issue No. 3, Page No. 465 to 472, ISSN No. 1011-601X and year 2013.
25. R. Randhawa, Pallavi Bassi and Gurpreet Kaur ***“In vitro, in vivo evaluation of inter polymer complexes between carboxymethyl fenugreek gum and chitosan or carboxymethyl guar gum and chitosan for colon delivery of tamoxifen”***, Asian Pacific Journal of Tropical Disease, Vol No. 2, Issue No. 1, Page No. S202 to S207, ISSN No. 1995-7645 and year 2012.
26. Pallavi Bassi and Gurpreet Kaur ***“Innovations in bioadhesive vaginal drug delivery system”***, Journal of Expert Opinion on Therapeutic Patents, Vol No. 22, Issue No. 9, Page No. 1019 to 1032, ISSN No. 1354-3776 and Year 2012.
27. Gurpreet Kaur, Manoj Gera and Pallavi Bassi ***“Roll Compaction/Dry Granulation (Rcdg): Technologies and Their Applications In Drug Delivery and Development”***, International Journal of Drug Delivery, Vol No. 3, Page No. 397 to 414, ISSN No. 0975-0215 and Year 2011.
28. Maninderjeet Kaur, Kalvatala Sudhakar and Vijay Mishra ***“Fabrication and Biomedical potential of Nanogels: An overview”***, International journal of Polymeric Materials and Polymeric Biomaterials, Vol No. 68, Issue No. 6, Page No. 287 to 296, ISSN No. 0091-4037 and Year 2019.

29. Jeevan Jyotsna, Manjinderjeet Kaur and Vijay Mishra ***"Sweet future of stevia:A magical sweetener"***, Journal of Asian journal of Pharmaceutical and Clinical Research, Vol No. 11, Issue No. 2, Page No. 36 to 42, ISSN No. 2455-3891 and Year 2018.
30. Junaid Niazi, Vikas Gupta and Narinder pal Kaur ***"pharmacotherapeutics of curcuma longa-a potent patent"***, International Journal Of Pharma Professional's Research, Vol. No. 1, Issue No. 1, Page No. 24 to 33, ISSN No. 2249-3948 and Year 2010.
31. Junaid Niazi, Narinder pal Kaur and Vikas Gupta ***"Coccinia Indica:A Boon From Tropics"***, International Journal of Advances in Pharmaceutical Sciences, Vol No. 4, Issue No. 4, Page No. 637 to 646, ISSN No. 0976-1055 and Year 2013.
32. Narinder pal Kaur, Annapurna Negi and Jyotsna ***"Pharmacological Activities of Benzimidazole-A Review"***, journal of Pharma tutor Vol No. Art-1946, Page No. 1946 and Year 2013.
33. Junaid Niazi, Yogita Bansal and Narinder pal Kaur ***"Aegle marmelos:A Phytochemical and Phytopharmacological Review"***, Journal of Aegle marmelos:A Phytochemical and Phytopharmacological Review, Vol No.Art-1728, Page No. 1728 and Year 2013.
34. Narinder pal Kaur, Junaid Niazi and Raman bains ***"A Review on Pharmacological Profile of Withania"***, Reseach Review Journal of Botanical Sciences , Vol No. 2, Issue No. 4, Page No. 6 to 14, ISSN No. 2320-0189 and Year 2013.
35. Junaid Niazi, Vikas Gupta and Narinder pal Kaur ***"In vitro screening of coccinia indica fruit extracts for antilice activity"***, International Journal of Pharmacology Research, Vol No. 4, Issue No. 2, Page No. 88 to 90, ISSN No. 2249-765X and Year 2014.
36. Junaid Niazi, Narinder pal Kaur and Yogita Bansal ***"Anti-inflammatory and antinociceptive activity of vanillin"***, Journal of Drug Development and Therapeutics, Vol No. 5, Issue No. 2, Page No. 145 to 147, ISSN No. 2394-6555 and Year 2014.
37. Narinder pal Kaur, Raman bains and Junaid Niazi ***"A Review on Bryophyllum pinnatum-A Medicinal Herb"***, Journal of Pharmaceutical and Medical Innovation, Vol No. 3, Issue No. 6, Page No. 35 to 46 and Year 2014.
38. Swati Sharma, Shubham Goyal and Narinder pal Kaur ***"Meningitis caused by streptococcus pneumoniae: A review"***, International journal of pharmaceutical sciences and research, Vol No. 5, Issue No. 7, Page No. 2584 to 2595, ISSN No. 975-8232 p-ISSN: 2320-5148 and Year 2014.
39. Narinder pal Kaur and Beenta Kumari ***"Phenylethylamine – Health Benefits- A Review"***, Journal of World journal of Pharmacy and pharmaceutical sciences, Vol No. 5, Issue No. 4, Page No. 743 to 750, ISSN No. 2278-4357 and Year 2016.
40. Narinder pal Kaur ***"Phytopharmacological and therapeutica potential of Ocimum sanctum-A Magical drug"***, Journal of World journal of Pharmacy and pharmaceutical sciences, Vol No. 5, Issue No. 9, Page No. 1136 to 1148, ISSN No. 2278-4357 and Year 2016.

41. Narinder pal Kaur and Jagdeep Singh Dua “**Neurobiological Evaluation of Derivatives of Substituted Phenylethylamine and Ethylamine**”, International Journal of Pharmaceutical Sciences and Research, Vol No. 11, Issue No. 5, Page No. 2462 to 2469, ISSN No. 975-8232 p-ISSN: 2320-5148 and Year 2016.
42. Narinder pal Kaur and Jagdeep Singh Dua “**Synthesis of Substituted Phenylethylamine and Ethylamine derivatives as Cognition Enhancers**”, Journal of advanced Scientific research, Vol No. 11, Issue No. 3, Page No. 124 to 131, ISSN No. 0976-9595 and Year 2020.

LIVE PROJECTS

Design of robotic arm using arduino
 Gesture control robotic arm
 Home Automation using arduino
 Solar panel cleaner using arduino
 Smart Highway

WORKSHOPS:-

S.No	Name of workshop	Topic	Organization	Date
1.	1-Day Workshop on iPhone Application Development	IOS app development tools	All soft Solutions and Services	4/03/2020
2	Introduction to MATLAB & its Toolbox	MATLAB & its Toolbox	ECE, BUEST	8 th October 2019

S.No	Topic	Name of Expert	Class	Date
1.	Fundamentals of Operations Research	Prof. G. Srinivasan IIT Madras	5 th Sem Mechanical	9 th oct 2019
2.	Refrigeration and Air Conditioning	Prof. Ravi Kumar IIT Roorkee	7th Sem Mechanical	18 th Sep 2019
3	Introductions to Robotics	Prof. AshishDutta IIT Kanpur	3rd Sem Mechatronics	1 th Oct 2019
4	Principles of Mechanical Measurement	Prof. Dipankar N. Basu IIT Guwahati	6 th Sem Mechanical	2 nd Feb 2020
5	Inspection and Quality Control in Manufacturing	Prof. Kaushik Pal IIT Roorkee	8 th Sem Mechanical	3 rd March 2020

Sr. No.	Name of Webinar/ Workshop	Date	Invited Speakers
01	Ultratech Cement	05/09/2019	A Webinar conducted by Ultratech Cement on the topic of Concrete.
02	Ultratech Cement	13/11/2019	Webinar was conducted by the UltraTech Cement for students of 3CE on the topic "Importance and ways of corrosion protection for infrastructure durability".
03	Opulent Technologies Chandigarh	27/11/2019	Innovative talk by Opulent Technologies given to 5 th Semester and 7 th Semester Students
4	Ultratech Cement	11/12/2019	Webinar was conducted by Ultratech Cement on the topic "discovering 3 secrets for a risk-free residual life for your bridges" to the 3CE and 5CE.
5	Ultratech Cement	5/03/2020	Webinar has been conducted by Ultratech.
6	21 st Century Teaching and learning	15Nov2019	Prof. Dr. Paras Prakash
7.	Workshop on Quality Systems Training Proposal	25Nov2019	Mr. Tanuj Yadav
8	Workshop on IPR & innovation Management	7Feb2020	Dr. Naresh Kumar Sehajpal Dr. Gurmeet Kaur Nanda Dr. Rahul Tanuja
9	Sensitization Quiz On-COVID 19: Awareness & Management	24May2020-30June2020	Prof. Dr. T.R. Bhardwaj Prof. Dr. Paras Prakash Dr. Ravinesh Mishra

S.No.	Name of Faculty	Name of Seminar/workshop/Conferences	Date	Places
1.	Dr. Ravinesh Mishra	Workshop on IPR & innovation Management	7 Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi

2.	Ms. Neeru Malik	IPA Convention PHARMARIA on "Industry and Academia to create a winning Ecosystem"	September, 2019	New Delhi
		National Seminar "Recent Advancements in Experimental Techniques in Pre-Clinical Research and Teaching."	21 September, 2019	Bela, Ropar
		International Conference on "Pharmacy Practice Clinical Research and Pharmacovigilance Trends – 2019" (PPCRPV-2019)	8-9 November, 2019	Chittkara University, Rajpura
		Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi
3.	Ms. Bandna Sharma	IPA Convention PHARMARIA on "Industry and Academia to create a winning Ecosystem"	September, 2019	New Delhi
		Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi
4.	Ms. Saloni	IPA Convention PHARMARIA on "Industry and Academia to create a winning Ecosystem"	September, 2019	New Delhi
		Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi
5.	Ms. Bhanupriya Sharma	International Conference on "Pharmacy Practice Clinical Research and Pharmacovigilance Trends – 2019" (PPCRPV-2019)	8-9 November, 2019	Chittkara University, Rajpura
		Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi
6.	Ms. Lalita Kumari	International Conference on "Pharmacy Practice Clinical Research and Pharmacovigilance Trends – 2019" (PPCRPV-2019)	8-9 November, 2019	Chittkara University, Rajpura
		Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi
7.	Ms. Prerna Thakur	IPA Convention PHARMARIA on "Industry and Academia to create a winning Ecosystem"	September, 2019	New Delhi
		International Conference on "Pharmacy Practice Clinical Research and Pharmacovigilance Trends –	8-9 November, 2019	Chittkara University, Rajpura

		2019" (PPCRPV-2019		
		Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi
8.	Ms. Sheetal Sharma	Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi
9.	Ms. Disha Pathak	International Conference on "Pharmacy Practice Clinical Research and Pharmacovigilance Trends – 2019" (PPCRPV-2019	8-9 November, 2019	Chittkara University, Rajpura
		Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi
10.	Ms. Amanpreet Kaur	National Seminar on "Recent trends in radiopharmaceutical in drugs discoveries quality safety and regulations perspectives"	12 to 13 September, 2019	Himachal Pharmacy College, Majhauali/Maganpura
		Faculty Development Program On "Enhancing Moral, Ethical and Emotional competencies in Pharmacy students: The need for paradigm shift in pedagogy"	5 to 19 October, 2019	Bela, Ropar
		International Conference on "Pharmacy Practice Clinical Research and Pharmacovigilance Trends – 2019" (PPCRPV-2019)	8-9 November, 2019	Chittkara University, Rajpura
		Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi
11.	Ms. Alka Sharma	International Conference on "Pharmacy Practice Clinical Research and Pharmacovigilance Trends – 2019" (PPCRPV-2019	8-9 November, 2019	Chittkara University, Rajpura
		Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi
12.	Ms. Saroj Kumari	National seminar on Recent Trends in Radiopharmaceutical in Drug Discoveries, Quality Safety and Regulations Perspectives	12-13 Sep2019	Himachal Pharmacy College , Majhauali
		Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi
13.	Ms. Shalini Sharma	National seminar on Recent Trends in Radiopharmaceutical in	12-13 Sep2019	Himachal Pharmacy College , Majhauali

		Drug Discoveries, Quality Safety and Regulations Perspectives		
		Workshop on IPR & innovation Management	7Feb.2020	Baddi University of Emerging Sciences & Technologies, Baddi

Seminars/Conferences/Workshops organized

School of Management Studies at Baddi University of Emerging Sciences and Technology organized 4th National conference on **"Digital social transformation: A Management Perspective"** on Aug. 30, 2019. Dr SomitraSanadhya, HOD-CSE, IIT Ropar was the keynote speaker and Dr Sanjeev Chaddha, Professor & Head, MDC, MGSIPA and Dr P K Vasudeva, Former Senior Professor at ICFAI were the chairperson for both technical sessions.

Dr. PoonamBassi

- Organized National Conference titled **Digital social transformation: A Management Perspective"**in **School of Management Studies** of **Baddi University of Emerging Sciences and Technology** on on Aug. 30, 2019.

(Organizing Secretary)

Ms.Varsha Gupta

- Organized National Conference titled **Digital social transformation: A Management Perspective"** in **School of Management Studies** of **Baddi University of Emerging Sciences and Technology** on on Aug. 30, 2019.

(Convernor)

Completed Ph.D from Punjab Technical University in December, 2020.

Ms.Bhavna Sharma

- Presented research paper titled —Digital Engagement of Customers with Lifestyle goods, in National Seminar on Recent Trends and practices in management (NSRTPM-2020) held at ICFAI University, Baddi on dated 24th, March; 2020.
- Presented Online research paper titled —Generation Z: Happiness and wellbeing, in the International Conference on New normal – Corporate and Self-management in Current Scenario held at Gautam Buddha University, Greater Noida on dated 17th-18th, June; 2020.
- Attended a week-long E-learning workshop on Basic Concepts of Research Methodology organized by GGNIMT, Ludhiana on dated 08-14th, April 2020.

- Attended a Seven-day E-learning workshop on Research in the Time of Pandemic organized by Punjab University, Chandigarh on dated 21-27th, April 2020.
 - Attended a one-day international level E-Workshop on Book, Article Publishing and SPRINGER-LINK Platform Demonstration organized by GNDU in collaboration with SPRINGER NATURE on dated 22nd, April 2020.
 - Attended Five-day online workshop on Soft skills- A mantra to Success organized by GGNIMT, Ludhiana on dated 17-23rd, April 2020.
 - Attended Webinar on Effect of Covid-19 on Indian Economy organized by IIHMR University on dated 09th, May 2020.
 - Attended national level E-Workshop on Statistical Analysis using SPSS organized by Lovely Professional University on dated 26-30th, May 2020.
 - Attended International webinar on Crisis Management: From Disruption to Sustainability organized by Beta College of Business and Technology on dated 07th, June 2020.
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- One day Workshop on **“Bonding Structure and Reactivity”** was organized in the Department of Chemistry on Nov 14, 2019 for B.Sc and M.Sc Chemistry students. The expert for the event was Prof. Emeritus- Dr. Tej Vir Singh (Retired from Punjab University, Chandigarh). It provided a platform for substantive interaction and discussion between students and researchers from academia with expertise, research and interest in the field of bonding structure of molecules and their reactivity. M.Sc. Chemistry and B.Sc. students were acquainted with hand-on practice on various instruments w.r.t. bonding structure, oxidation, reduction, solubility of salt and sugar in water with increasing temperature etc. The workshop was followed by a lecture and demonstration by Prof. Emeritus Dr. Tej Vir Singh.
 - Dr. Renu, Faculty- Mathematics participated in the National Hands-on Workshop on **“Characterization Techniques and Nanomaterials Applications”** held from 20th to 25 th Jan 2020, organized by Department of Applied Sciences, Chitkara University, Punjab.
 - Ms. Akanksha, Faculty- Mathematics attended a workshop on **“Matlab and Differential Equations”** sponsored by Thapar Mathematical Society on 15th Feb, 2020.
 - Ms. Akanksha also participated in the two-day Workshop on **“Mathematical Modelling and Computational Techniques”** sponsored by Thapar Mathematical Society held on 24- 25th Feb, 2020. Total number of 13 students from M.Sc. Mathematics (7 students of 2M.Sc. and 6 students of 4M.Sc.) also attended the workshop.
 - Mr. Dinesh, student of M.Sc Physics, attended a **National Student Symposium on Physics** in Punjab University from 3-5 October 2019.

- Ms. Akanksha, attended a National Seminar on **“Recent Advances in Mathematical Modeling and their Application in Engineering and Sciences”** held on March 09, 2020 at Punjab Engineering College, Chandigarh.
- Ms. Silky Bansal, Faculty- Mathematics, was awarded as **Best Paper Presenter in the International conference on “Recent Trends and Innovations in Multidisciplinary Research”** organized by IEC University, Baddi, HP in association with Globally Multidisciplinary Research and Education Association (GMREA) on 14th March, 2020.

GUEST LECTURE'S

S. No.	Name	Organization	Topic	Date
1	Er. Dixit Gupta	M.D. Gate Gurus, Chandigarh.	Advance Power Systems	11-09-2019
2	Er. Ravinder Singh	M.D. Gate Revolution, Chandigarh.	Carrier Counseling	11-10-2019
3	Er. Meera Sharma	Counselor Engineering Carrier Group,CHD	Carrier Counseling	20-11-2019
4	Er.Raman Mahajan	MD AAA Bright Academy CHD	Carrier Counseling	10-02-2020
5	Er. Sanjay Sharma	NIT Hamirpur	Techno- Economic Analysis of Hybrid Renewable System	21-02-2020
6	Er. Sourabh Mahajan	Guest Faculty NPTI	Loading of turvo alternator	03-03-2020

S.No	Name of Expert	Topic	Affiliation	Class	Date
1.	Mr.LoverajGrewal & Ms.Disha	Study abroad and Immigration	Irenic International, Zirakpur	8 th Mechanical	6-3-2020
2.	Mr.Neeraj Kumar	Digital Manufacturing Techniques	GNA group, Phagwara, Punjab	6 th &8 th Mechanical	19-2-2020

Sr. No.	Type	TOPIC	Month
1	Engineering Carrier group	Expert lecture delivered by Engineering Carrier group.	18/09/2019
2	Ultratech Cement	Guest Lecture by Ultratech Cement	25/11/2019
3	Gate Guru	Expert lecture has conducted by Gate Guru.	25/02/2020

An Expert talk was organized by CSE department. The topic was "Algorithms" by Er. Anurag Porwal (Sr. Faculty CSE, gate gurus) on 26th Feb, 2020 for CA students.

Sr.No.	Topic	Guest name/ Company Name	DATE
1	Algorithms	Gate Gurus	26/02/2020

Sr. No.	Name	Designation	Company/ University Name	Date of Lecture	Topic
1.	Dr. Saurabh Kumar	Assistant Professor	SGT University Gurgaon	23 Dec. 2019	"Clinical applications of Proprioceptive Neuromuscular facilitation approach"

Sr. No.	Name	Designation	Company/ University Name	Date of Lecture	Topic
1.	Mr. Partha Roy	Quality Assurance Head	Hanuchem Laboratories	04Sep2019	Working Process of Quality Assurance Department in Pharmaceutical Industries
2.	Dr. Arvind	Head of	Punarnava	22Nov. 2019	Ayurvedic Therapy

	Janardhana/C dr. Rajesh	Clinical Services/ Head of Operation	Ayurvedic Hospital Nalagarh		Panchkarma
3.	SMO & SDM	SMO & SDM	Antidrug & alcoholism	26Nov2019	Antidrug & alcoholism
4.	Mr. Shukla	Quality Assurance Head	Theon Pharma Baddi	26Sep2019	Overview about what industries exactly demanding
5.	Mr. Manpreet Singh Naroo	Plant Head	Unimark Industries	11Dec.2019	Advancement in Pharmaceutical Industries & technologies
6.	Tanuj Kumar Yadav	Quality Assurance Head	Dr. Reddy's Lab, Baddi	28Nov2019- 01Dec2019	Interview execution Training of Students
7.	Prof. (Dr.) Saranjeet Singh	Ex Dean & Prof.	NIPER, Mohali	23Dec2020	Pursuit for 'Inspired Career' in Pharmaceutical Sector
8.	Prof. (Dr.) V.R. Sinha	Prof. & Dean	Punjab University, Chandigarh	30Dec2020	Enzyme Activated Systems for Drug Delivery

- 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
1st October, 2019	Mr.ShashiBhushan Sharma	HR Manager	Auro Spinning Mill Baddi	Personality Development and Attitudinal Change

- Dr. Monika Dutta, from PGIMER Chandigarh has delivered a guest lecture on topic "Challenges in patient safety" on 20th feb.2020 which was organized by BUEST Nursing College.
- An Expert talk was organized by CSE department. The topic was "Algorithms" by Er. Anurag Porwal (Sr. Faculty CSE, gate gurus) on 26th Feb, 2020 for CSE & CA student.

- Guest lectures are often conducted by the academicians from other Universities, e.g. CSKHPKV Palampur, Dr Y S Parmar, University of Horticulture and Forestry, Solan, to acquaint the students with the recent developments in Agricultural research. During the year two such lectures were organized.

Industrial Visit:-

- ❖ An Industrial Visit scheduled for the students of 4th Semester CSE (IBM & Non - IBM to Piford Technologies Pvt. Ltd., Mohali on dated 27/02/2020. Total 31 students of CSE 4th semester had visited the campus of the company.
- ❖ An Industrial visit cum one day educational tour was conducted to Piford Technologies, Mohali on dated 23/09/2019 for CSE & CSE-IBM 5th Semester making a total of 32 students.

S.No.	Semester	Place	Date
1	5 th , 7 th	Siemens, Panchkula	February 11, 2020

S.No.	Semester	Place	Date
1	3rd	HPSEB Katha	06-11-2019
2	5th	CMI Baddi	07-11-2019
3	7th	CMI Baddi	07-11-2019
4	7th	Siemens Panchkula	08-11-2019
5	6th	33/11KV Substation Sandholi	18-02-2020
6	8th	33/11KV Substation Sandholi	18-02-2020

Odd Semester			
S.No.	Semester	Place	Date
1	7th Mechanical	TVSNalagarh	8 Oct, 2019
2	5 th Mechanical	Mahindra-Swaraj, Mohali	10 Oct, 2019
3	3rd Mechatronics	Mahindra-Swaraj, Mohali	10 Oct, 2019

Even Semester			
S.No.	Semester	Place	Date
1	8th Mechanical	Siemens, Panchkula	11 Feb, 2020
2	6 th Mechanical	Scheduled in the first week of	

		April but could not be conducted due to COVID 19 Pandemic	
3	4thMechatronics	Siemens, Panchkula	11 Feb, 2020

Sr. No.	Company name	Year	Date	Name of the Industry Visited	Name of the Faculty Members Visited
1	Shivalik waste management plant, DABHOTA	B.Tech 3CE, 7CE	5/11/2019	Students went to the solid waste management plant, DABHOTA (Shivalik waste management plant) for their industrial visit.	Er. Satya Pal Singh and Er. Anmol Dhiman

S.No.	Name of Industry	Semester and no. of Students	Faculty Members
1.	NABI, Mohali	BSc. Cipla 4th & 6 th Semester & 41 Students	Ms. Shalini Sharma, Ms. Saroj Kumari
2.	NABI, Mohali	I SEM & 82 Students	Ms. Bandana Sharma Ms. Disha Pathak
2.	Alkem Laboratories Limited Baddi	VI Semester & 44 Students	Mr. Gulshan Sandhu, Ms. Sonia Sharma, Ms. Komal Saini

Sr. No.	Name	Designation	Company/ University Name	Topic
1.	Mr. Partha Roy	Quality Assurance Head	Hanuchem Laboratories	Working Process of Quality Assurance Department in Pharmaceutical Industries
2.	Dr. Arvind Janardhana/Cdr. Rajesh	Head of Clinical Services/ Head of Operation	Punarnava Ayurvedic Hospital Nalagarh	Ayurvedic Therapy Panchkarma
3.	SMO & SDM	SMO & SDM	Antidrug & alcoholism	Antidrug & alcoholism
4.	Mr. Shukla	Quality Assurance Head	Theon Pharma Baddi	Overview about what industries exactly demanding

5.	Mr. Manpreet Singh Naroo	Plant Head	Unimark Industries	Advancement in Pharmaceutical Industries & technologies
6.	Tanuj Kumar Yadav	Quality Assurance Head	Dr. Reddy's Lab, Baddi	Interview execution Training of Students
7.	Prof. (Dr.) Saranjeet Singh	Ex Dean & Prof.	NIPER, Mohali	Pursuit for 'Inspired Career' in Pharmaceutical Sector
8.	Prof. (Dr.) V.R. Sinha	Prof. & Dean	Punjab University, Chandigarh	Enzyme Activated Systems for Drug Delivery

- 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
23rd October, 2019	Vardhman Textiles Limited on	BBA/BCOM	5th	Ms.Ruhi Dr.Ravi
15 th February, 2020	ITC Limited in HaridwarUttarakhand	BBA/BCOM MBA	5 th 3 rd	Ms.Bhavna Ms.Alka Ms.Saruchi

Co-curricular Activities

The School of Management studies , Baddi University of emerging sciences and technologies , Baddi organized an Industrial Visit to ITC SIDCUL cum excursion to Haridwar , Rishikesh and Masoorie, for the students of SMS from 15th - 17th February 2020

- 30 students of M.Sc. Chemistry, BSc. Chemistry Hons and BSc. Non-Medical were taken for an industrial visit to Oleo Chemical Company on September 23, 2019. Ms. Harpreet Kaur and Mr. Susheel Kumar (Chemistry faculty) accompanied the students.
- Dr. Neha (Assistant Professor-Microbiology) and Ms. Kiran Bala (Lecturer- Microbiology) took students of M.Sc. Microbiology and M.Sc. Chemistry for an industrial visit to Likvin Healthcare on November 21, 2019.

CULTURAL ACTIVITIES

CANTEENI MANDEER

CANTEENI MANDEER' 2019 was organized jointly by the department of Electronics and Communication Engineering on 21st Nov, 2019. The event would telecast on Mh1 National TV channel.

CII-YI ACTIVITIES

To accustom students with some of the current trends in the field of Human Resource Management, **CII -YI Yuva Chaupal club of School of Management Studies** organized a guest lecture on **4th November, 2019** for BBA/Bcom and MBA 1st year students. The session was organized to facilitate students' understanding of HRM subject through industry insights from the Industry person. The Club invited Mr. Sunil Singhal, HR Head, Alkem laboratories Ltd. to address the students on how the field of Human Resource Management has evolved over the years. Mr. Rajeev Kumar, Faculty coordinator, CII-YI SMS felicitated Mr. Sunil Singhal for the Guest Lecture.

School of Management Studies under the platform of CII -YI Yuva Chaupal organized a guest lecture on **13th November, 2019** for BBA/BCOM and MBA students. The Speakers for the lecture were Mr. Arsh Dogra, Manager HR and Mr. Anil Sharma, Manager Engineering from Johnson and Johnson Ltd. Mr. Rajeev Kumar, faculty coordinator, CII-YI SMS felicitated Mr. Arsh Dogra and Mr. Anil Sharma for the Guest Lecture. Mr. Arsh Dogra shared his views on the important aspects of HR like Recruitment, Compensation management, Performance appraisal, Learning and development, and Industrial relation.

PRABANDHOTSAV 2020

Baddi University of Emerging Sciences and Technology, School of Management Studies organized Management Fest **"Prabandhotsav 2020-Ocean of Creativity"** on 28th February, 2020. The main objective behind organizing such events is to showcase multifaceted talent of our students and provide them exposure in understanding and applying concepts of general management, finance and marketing in practical situations. They gained first-hand experience in management events through planning, resource mobilization and team work.

There were 13 events in total in one day: 3minute pitch, Management Quiz, Solo Singing, Solo Dancing (Junior), Solo dance (Senior), Duet Dance, Group Dance, Group Singing, Poster Making, Clay Modeling, Rangoli, Mehendi, Face Painting. More than 150 participants from various colleges and universities like Govt. DC Nalagarh, BIS, Ambuja Skill Centre, Maharaja Agrasen University, IEC University, Icfai University, P.G. College, Nalagarh, GDC Barotiwala, Govt. P.G. College Kalka, Chitkara University, Rajpura participated in various events. The response of various participants has been encouraging for all the events.

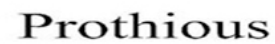
PLACEMENT HIGHLIGHTS

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 2020 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 2020 batch round the corner.





Placement Details of All Above Departments

Departments	Total Eligible students	Placement Not Required	Placed
CSE	20	03	18
ECE	08	03	13
EE	13	00	00
ME	17	02	10
Pharmacy	45	13	17
School of Management studies	24	52	05
CE	05	28	05
BSC	00	08	00
MSC	28	32	10
BCA/MCA	02	13	00
Total	162	154	78

Sr no.	Name of the Company	Total number of students got placed	@ package
1.	Orange	02	3.9lakhs
2.	VeriKraft	01	3.25lakhs
3.	Zapbuilt	01	1.8 Lakhs
4.	Code Brew	03	3.6Lakhs
5.	Raps-i-tech	02	2.6Lakhs
6.	Canam Chandigarh	02	2.4Lakhs

Pre-placement activities are done to increase the employability of the students. During session 2019-20 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	Communication Networks	Ms. Pulkit Sharma
3	Principles of Electronics Engineering	Ms. Gurdeep Kaur
4	Microprocessor & Digital Electronics	Ms. Jatinder Kaur

Sr.No.	Company	No. of Students placed
1	Orange Business Services	01
2	Alpla India pvt limited, Baddi	01
3	Cinif Technology	07

S.No.	Session	Faculty
1	Power System Protection	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	Ms. Manisha Verma
6	Power quality	Ms. Geena Sharma
7	AC Machine	Ms. Ruchika Sharma
8	Solar Engineering	Mr. Abhinav Dogra
9	Power System Stability	Ms. Manisha Verma
10	Stand alone Photovoltaic System	Mr. Vijeta Verma
11	Power Electronics Drives	Mr. Ishan Thakur

Sr. no.	Company Name	Total Students Placed
1	Jupiter Solar Power Ltd	3
2	Wep Solution Ltd	2
3	Auto Investigators	2
4	Auto Investigators	1
5	Cipla Ltd	1
6	Macleods Pharmaceuticals Ltd	1
Total		10

(M.Sc. Chemistry)

Total No. of Students Batch	Interested Students in the Campus Placement	Placed Students	Name of Company
19	13	10	Centrient Pharma, Abott Pharma, Macleods Pharma, Mankind Pharma.

Pre-Placement Training Program Organised By H Factor

- 1) Aptitude Training Program: In the training the requirement of conducting an “Aptitude Training Program” for college students was discussed for enabling them to qualify aptitude tests of recruiting companies: Orange Business Services, Mankind Pharma, Hexaware, MRF, Infosys, Cognizant Technology etc.
- 2) Scope & Objectives:- The Scope of the Aptitude Training Program” is to cover all the students in batch size of 50 and 80 approximately.
 - a) Quantitative Session
 - b) Verbal Aptitude & Communication Skills Session
 - c) Reasoning Aptitude
 - d) Communication Skills
- 3) Approach & Methodology:
 - a) Grid Based Learning
 - b) Agile Learning Methodology
 - c) Activity, Quiz & Game Based Learning
 - d) Presentation/lecture Mode Based Teaching.













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