



**BML MUNJAL  
UNIVERSITY™**  
A **HERO GROUP** INITIATIVE



# ANNUAL REPORT 2019 - 2020

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# CONTENT

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1. VISION AND MISSION
2. YEAR AT A GLANCE
3. VICE - CHANCELLOR'S MESSAGE
4. GOVERNANCE
5. ACADEMICS
6. FACULTY AND STAFF
7. INFRASTRUCTURE
8. RESEARCH, INNOVATIONS AND EXTENSION
9. AWARDS AND RECOGNITION
10. STUDENTS AFFAIRS
11. EVENTS
12. AUDITED FINANCIAL ACCOUNTS (2019-20)

# VISION AND MISSION

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## Vision

BML Munjal University seeks to nurture ethical leaders who are skilled, knowledgeable and have the life skills required for leading their organization to success. The University shall seek the advancement and dissemination of practically oriented knowledge benchmarked with the best global standards.

## Mission

BML Munjal University aims to be a leading university for the quality and impact of its teaching, research, and linkages with major stakeholders. The focus of the university is to find creative solutions to problems through application of knowledge. The university aims to create a talented community of students and faculty who excel in teaching, learning and research, in a creative stimulating environment. The university will collaborate with other institutions for development of science, technology, and arts in global context.



## YEAR AT A GLANCE

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BML Munjal University continues its journey towards achievement of academic excellence on the pattern of established institutes of excellence in the country. During the last one year, although hampered by the pandemic in the latter half of the year, a significant progress has been made on various fronts, in academics, research and innovation, be it relationship with our partners, be it faculty and students achievements. In the year 2019-20, School of Management, BMU has been ranked 37th in the NIRF 2020 ranking announced by Ministry of Education on June 11, 2020.

We are living in an Industry 4.0 era, and the boom of Artificial Intelligence, Machine Learning, Big Data, Cloud Computing, 5G, Internet of Things, Automation and Robotics, has impacted all spheres of life. It is with this intent that, a new, innovative and a student-centric B. Tech curriculum has been introduced with flexibility in choice of courses, more than 50% experiential learning, several industry interventions and international immersion programmes. New specializations i.e., Cyber Security, Data Sciences and Artificial Intelligence, I.O.T., Automation and Robotics, Automobile Engineering, have also been introduced. Similarly, new specialisations, namely, Digital Marketing, Artificial Intelligence and Data Engineering, Business Analytics have been introduced in MBA and BBA programmes.

A unique B. Tech (Engg Science) programme, where science and engineering intersect, having four specialisations, namely, Environmental Science, Geospatial Science, Materials Science, and Nano Science, was also approved in the School of Engineering and Technology. The school has also adopted a fractional credit system which allows seamless integration of various learning resources into the pedagogy.

A number of minor specialisations have also been introduced. 5 credits have been assigned to activities in clubs, sports and community service through NSS. The credit transfer policy has been implemented which allow the students to spend a semester abroad or within India to expand their learning horizon and get an exposure on what others are doing.

All the schools have mapped the curricula to outcome-based education [O.B.E.] framework. All these curricula will be taught in a blended learning environment.

During the current pandemic, BMU swiftly moved to the virtual learning mode. The examinations have also been conducted online. BMU got QS I – GAUGE E-Lead (E-Learning Excellence for Academic Digitization) Certificate for its preparedness to conduct online teaching and learning.

In a move to automate several processes across functions, an Enterprise Resource Planning (ERP) system covering Student Lifecycle Management, Financials, Materials and Asset management, Human Capital Management and Payroll has already been implemented and fully operational from academic year: 2020-21 onwards. It has been named as Maitri.

BMU has also been placed in Band B (26th-50th) in the Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2020 in the category of self-funded Pvt Universities. ARIIA is an initiative of the Ministry of Education (MoE), Govt. of India to systematically rank all major higher educational institutions and universities in India on indicators related to “Innovation and Entrepreneurship Development” amongst students and faculty.

Propel, our Incubator Center, organized its first pitch competition in November 2019, called, Propel19. It was a flagship event of the university. 100 teams from 6 countries participated in the day-long event.

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The Institute of Innovation and Entrepreneurship and School of Engineering and Technology hosted National Smart India Hackathon in August, 2019. 21 teams from all over the country participated in this event.

During 2019-20 a Center for Teaching, Learning & Development (CTLD), was established. The center was inaugurated by the Prof. (Dr.) Anil D. Sahasrabudhe, Chairman, AICTE. The center has started conducting activities around developing faculty on various skills.

On the research front, during last academic year, our faculty members have published more than 80 research papers in peer reviewed high impact journals, more than 70 papers in conferences, 2 books and 10 book chapters.

The schools organized six major workshops, conferences, summits, and conclaves. These are,

- A national conference on Emerging Trends on Advances in Materials Science.
  - A one-day conclave on Artificial Intelligence, which brought together top industry leaders, A.I. experts, practitioners, H.R. leaders & academicians to discuss the A.I. landscape and trends that disrupt the enterprises and make it imperative to redefine decision making.
  - A workshop on Organic Electronic Device Fabrication: from Basics to Practice at the Center for Advanced Materials and Devices (CAMD).
  - AI Virtual Summit by Microsoft India Pvt Ltd.
  - Law Conclave
  - Leadership Summit on Navigating Workplace Turbulence
- More than 200 Certifications through MOOCs have also been earned by the faculty.

Five extra-mural projects amounting to Rs. 50 Lakhs have been completed. Two externally funded projects amounting to Rs. 40 Lakhs is in progress. Research projects with an outlay of about Rs. 3.00 Crores submitted by the faculty are under active consideration by different agencies.

The university also recognized the contributions of the faculty made by awarding them in their pursuit of excellence in teaching and research. The winners for Excellence in Teaching included Prof. Goldie Gabrani and Dr. Rik Paul in the year 2019, and Prof. Davinder Singh, Dr. Kiran Khatter and Dr. Kavita Chawla in the year 2020.

The faculty were also awarded with Rs. 1.00 Lakh each for research publications in Tier 1 and ABDC (Australian Business Deans Council) journals.

Dr. Abhimanyu Rana and Dr. Sangita Choudhary in the year 2019, Dr. AK Prasada Rao, Dr. Surya Prakash, Dr. Jaya Ahuja, Dr. Sangita Choudhary, Dr. Kiran Khatter, Dr. Devanjali Relan and Dr. Sanmitra Barman featured in the list of awardees for the year 2020 .

Our students and faculty initiated a joint project with IIT Bombay to establish a Tethered Aerial Laboratory, a long endurance aerial platform, which will be used to conduct a series of experiments in pollution and weather monitoring, Wi-Fi communication and aerial surveillance.

This year, BMU has added Purdue NW University U.S.A., Braintech , Malaysia, National Law University, Delhi, Data Security Council of India, Quality Council of India, Bergen Group of Companies, Central

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Institute of Plastic Engineering and Technology, and Asian Association of Transfusion Medicine (AATM), Delhi, Bharti Skill Development University, Jaipur, as new partners.

During 2019-20, several corporate experts from industries and foreign universities visited the university to deliver expert lectures and had interactions with the faculty and students.

A few of them are, Aditya Ghosh, CEO OYO, Deepak Vohra, I.A.S., Prof. Viney Sawhney, Harvard, Prof. Jim Conrad, NCSU, U.S.A., Prof. Stephen Barnes, Penn State, U.S.A., Veena Kumar, University of Maryland, Prof. Jim Conrad, North Carolina State University U.S.A., Mr. Shishir Gupta, Head – Power Electronics & Automation Technology Center, EAIC Larsen & Toubro Limited, Dr. R. Sonde, Executive V.P., Research Tech. & Innovation, Thermax, Mr. Bill Taylor, Senior Teaching Fellow-India Programmes, Manager, Warwick Manufacturing Group (WMG), Prof. Rajkumar S. Pant, I.I.T. Bombay, Prof. Amitav Chakravarty, Professor of Marketing, London School of Economics; Claire Sealey, Professional Development Leader, Coach & Mentor, Head of Teacher Development Center & Instruction Coach, Doon School; Prof. G. Varaprasad, Professor-CSE, B.M.S. College of Engineering, Bangalore, Rahul Krishna - CHRO, Interups Inc., Himanshu Manglik - Founder and President, WALNUTCAP, Dr. Prabal K. Sen- Professor, XLRI, Devan Bhalla - Sr. Brand Manager IndiaMART- to name a few.

The School of Engineering and Technology and the School of Management recorded 86% placement of interested students. The highest and average CTC offered in SOET and SOM are, Rs. 33.00 Lakh and Rs. 5.60 Lakhs per annum and Rs. 23 Lakh and Rs. 8.76 Lakh, respectively. More than 130 companies visited for Campus for Recruitment process during the whole academic year.

The 67th Milestone '20 was the fourth edition of BMU's techno-cultural-management fest that takes place annually. It was a multi-faceted event that hosted a broad spectrum of events and activities.

BMU students participated in various inter-university annual sports events and emerged as champions in Badminton (M), Volleyball (M), Tennis (Mixed) and chess (Mixed)

The academic year 2019-20 has witnessed 419 students receiving degrees across five B. Tech programs and 115 students receiving degrees in B.B.A., B. Com (Hons), and M.B.A. programs in the 5th Annual Convocation held on September 19, 2020.

### **Covid 19:**

Two cells: "Mental Health and Wellbeing of the Students during and after COVID-19" and "Examinations and Academic Calendar for the Universities because of COVID-19 Pandemic and Subsequent Lockdown" has been constituted to take care of mental health, psychosocial concerns, and examination queries.

Initiatives were also taken in manufacturing sanitizers and face shields in the university's laboratories and workshops on the Department of Higher Education, Haryana Govt's special request. BMU produced 4000 face shields, using the university's 3-D printing facility and handed it over to the D.C. office, Gurugram.

BMU also offered a 2000-bed hostel on campus to local administration for use as an isolation and treatment ward. The students of BMU, in association with Raman Kant Munjal Foundation, launched Careti.org. which has benefited more than 1.25 lac, by provided them food packets to the people living in nearby slums to date.

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BMU has launched a virtual masterclass series, titled – **When Tomorrow Comes**. The masterclass brings accomplished leaders from different walks of life to share their real-life experiences, stories, and learnings on preparing for, embracing, and thriving in change. The masterclass series complement BMU's focus on transformative learning. Targeted at all students – the university's own and otherwise, the series aims to provide motivation and the right mindset to be ready and resilient for whatever changes, revolutionary or evolutionary, that the future might throw their way. The 60-minute live sessions are being held weekly.

The first masterclass featured Mr. Sunil Kant Munjal, Chancellor, B.M.L. Munjal University, and was hosted by Prof Nigam Nuggehalli, Dean, School of Law. Mr. Munjal discussed the importance of adapting to change and the humility of appreciating other people's work. He shared how people need to lead by example, take criticism constructively, and always possess the desire to learn.



## VICE CHANCELLOR'S MESSAGE

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As I write, the world is reeling under the impact of COVID 19. There is a lot of distress and uncertainty. At BMU, fostering a healthy campus community for our students, faculty and staff is our top priority. While the university is closely tracking the spread of COVID-19 across, we have taken adequate measures to ensure the well-being of the community, without abdicating our responsibility towards the nation in this hour of need.



**Dr. (Prof.) Manoj K. Arora**  
Vice Chancellor

During last 6 years, BMU, in its version 1.0 has come a long way and has established its name through state-of-the-art Infrastructure, meritorious students, highly qualified faculty, innovative pedagogy, focused research and development, entrepreneurial mindset and distinctive industrial and foreign institutional partnerships.

The BMU, a leading universities of country has already set out its version 2.0 to achieve the new horizon in the field of teaching learning, research etc in next 5 years. I have no hesitation in saying that we are , and therefore can be regarded as a transformational institute.

The new academic curricula of all the programs have been upgraded to include Industry 4.0 technologies, namely, Artificial Intelligence and Machine Learning, Big Data Analytics, Cloud Computing, Internet of Things, Robotics, Automation, 3 D Printing, 5G, etc., which will define the future generations.

All the curricula are highly flexible, where students will have choices to study courses from cross-disciplines as minors or open electives. The aim is to move the students towards the concept of 'build your own degree'.

The novel fractional credit system adopted by the university allows the students to receive education, training, and certification seamlessly within the ambit of regular academic curricula. Popular MOOCs have suitably been embedded in the curricula. All this gives them many opportunities to take advantage of learning from varied sources and work on live problems and case studies, industry exposure, internships, outside classroom activities and international immersion experience.

Together with innovative pedagogy, the university has created a conducive, research and enterprise culture via research funding through industry collaborations, from government agencies and joint research with foreign institutions.

The young minds are given enough opportunities to work on new ideas right from their first year with their involvement in courses such as Joy of Engineering and Joy of Management. These courses are run jointly with the industry. Outcome is a set of society and industry relevant projects, which lead to patents and technology transfers.

I am happy to share that our School of Management achieved All India Rank of 37th under Management Category in recently announced NIRF rankings by the MHRD, Government of India.

Thus, we indeed are marching ahead in our pursuit of academic excellence on all fronts and are committed to make our name not only in India but the world at large.

# GOVERNANCE

## A. ADVISORY BOARD

S.No.	Name	Designation as on date
1	Shri. Sunil Kant Munjal	Chancellor, BML University; Chairman, Hero Corporate Services Ltd
2	Shri. M. Damodaran	Director, Tech Mahindra Limited
3	Shri. Subash Bijlani	Collegiate Professor, University of Maryland
4	Shri. R. Mashelkar	Chancellor, ACSIR; Former Director General, CSIR
5	Shri. Rakesh Mittal	Vice-Chairman, Bharti Enterprises
6	Shri. Vimal Bhandari	MD & CEO, Indostar Capital Finance Pvt Ltd
7	Shri. S. P. Kothari	Professor, Sloan School of Management, MIT
8	Shri. Adi B. Godrej	Chairman, Godrej Group
9	Shri. Arun Maira	Former Member, Planning Commission of India
10	Shri. Jagmohan Raju	Professor, Vice Dean, Wharton Executive Education
11	Ms. Kiran Mazumdar Shaw	Chairperson and MD, Biocon Ltd.
12	Shri. Harish Salve	Former Solicitor General of India
13	Prof. Sir Mike Gregory	Professor, University of Cambridge
14	Shri. Hari S. Bhartia	Founder and Co-Chairman, Jubilant Bhartia Group
15	Prof. Dipankar Gupta	Professor, Shiv Nadar University
16	Prof. Dipak C. Jain	Co-President and Global Advisor of China Europe International Business School
17	Shri. Saurabh Srivastava	Former Chairman, NASSCOM
18	Shri. Sonjoy Chatterjee	Chairman, Goldman Sachs India
19	Dr. Anand Burman	Chairman, Dabur India Ltd.
20	Shri. T.V. Narendran	Global CEO and Managing Director, Tata Steel
21	Shri. Naresh Trehan	Chairman & MD, Medanta-The Medicity

**B. GOVERNING BODY**

S.No.	Name	Designation as on date	Membership
1	Shri. Sunil Kant Munjal	Chancellor, BML University; Chairman, Hero Corporate Services Ltd	Chairperson
2	Prof. Manoj K. Arora	Vice Chancellor, BML Munjal University	Member
3	Mr. Ankur Gupta	Principal Secretary, Department of Higher Education, Govt. of Haryana	Member
4	Mr. Suman Kant Munjal	Chairman, Hero Electronix Pvt Ltd and Rockman Industries Ltd	Member
5	Dr. Pawan Munjal	Chairman, Managing Director & CEO, Hero MotoCorp	Member
6	Mr. Akshay Munjal	President, BML Munjal University	Member
7	Prof. Pankaj Chandra	Vice Chancellor, Ahmedabad University	Member
8	Prof. Pankaj Jalote	Distinguished Professor, Indraprastha Institute of Information Technology, Delhi	Member
9	Prof. Gerry George	Dean, Lee Kong Chian School of Business, Singapore Management University	Member
10	Ms. Renu Munjal	Managing Director, Hero FinCorp	Member
11	Mr. Arun Bharat Ram	Executive Chairman, SRF Ltd	Member
12	Prof. K. Anantha Padmanabhan	Professor of Eminence, Department of Mechanical Engineering, Anna University, Chennai	Member
13	Mr. Rajiv K. Luthra	Founder & Managing Partner, L&L Partners	Member
14	Mr. Abhay Sharma	Registrar, BML Munjal University	Member Secretary

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**C. BOARD OF MANAGEMENT**

S.No.	Name	Designation as on date	Membership
1	Dr. Manoj K. Arora	Vice Chancellor, BML Munjal University	Chairperson
2	Mr. Ankur Gupta	Principal Secretary, Haryana Higher Education Department	Member
3	Mr. Akshay Munjal	President, BML Munjal University	Member
4	Mr. Suman Kant Munjal	Chairman, Rockman Industries Ltd & Chairman, Hero Electronix Pvt Ltd	Member
5	Ms. Swati Munjal	Director, Strategic Initiatives & Engagement	Member
6	Dr. Maneek Kumar	Professor & Dean School of Engineering & Technology	Member
7	Mr. Naveen Parasar	Chief Finance & Accounts Officer	Member
8	Dr. Vishal Talwar	Professor & Dean School of Management	Member
9	Dr. N. S. Nigam	Professor & Dean School of Law	Member
10	Dr. Goldie Gabrani	Professor School of Engineering & Technology	Member
11	Dr. Jaskiran Arora	Professor & Associate Dean School of Management	Member
12	Dr. Kalluri Vinayak	Associate Professor & Associate Dean School of Engineering & Technology	Member
13	Mr. Abhay Sharma	Registrar	Member Secretary

**D. ACADEMIC COUNCIL**

S.No.	Name	Designation as on date	Membership
1	Dr. Manoj K. Arora	Vice Chancellor, BML Munjal University	Chairperson
2	Dr. Vishal Talwar	Professor & Dean, School of Management	Member
3	Dr. N. S. Nigam	Professor & Dean, School of Law	Member
4	Dr. Maneek Kumar	Professor & Dean School of Engineering & Technology	Member
5	Prof. Ajay Mohan Goel	Professor of Practice School of Engineering & Technology	Member
6	Dr. Kiran Khatter	Associate Professor School of Engineering & Technology	Member
7	Dr. Jaskiran Arora	Professor & Associate Dean School of Management	Member
8	Dr. Nandita Choudhury	Professor of Practice School of Engineering & Technology	Member
9	Dr. Kalluri Vinayak	Associate Professor & Associate Dean School of Engineering & Technology	Member
10	Mr. Purushottam C. Kaushik	Head-Strategy and Special Initiatives M&A, L&T Smart World and Communications	Member
11	Dr. Neela Nataraj	Professor & Head Department of Mathematics-IIT Bombay	Member
12	Dr. Vinay K. Nangia	Former Professor & Head, Department of Management Studies, IIT Roorkee	Member
13	Dr. K. R. Sarma	Professor Emeritus International Institute of Information Technology, Gachibowli, Hyderabad	Member
14	Dr. Vandana Suhag	Dean Education Quality	Special Invitee
15	Col. Mohit Bawa	Dean Student Welfare	Special Invitee
16	Ms. Suneet Soni	Controller of Examinations	Special Invitee
17	Mr. Abhay Sharma	Registrar	Member Secretary

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**E. FINANCE & FEE COMMITTEE**

S.No.	Name	Designation	Membership
1	Mr. Akshay Munjal	President, BML Munjal University	Chairperson
2	Dr. Manoj K Arora	Vice Chancellor, BML Munjal University	Member
3	Mr. Naveen Parasar	Chief Finance & Account Officer, BML Munjal University	Member
4	Ms. Swati Munjal	Director, Strategic Initiatives & Engagement, BML Munjal University	Member
5	Mr. Abhay Sharma	Registrar, BML Munjal University	Member Secretary

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**F. ADMISSION & SCHOLARSHIP COMMITTEE**

S.No.	Name of Member	Designation	Membership
1	Mr. Akshay Munjal	President, BML Munjal University	Chairperson
2	Dr. Manoj K. Arora	Vice Chancellor, BML Munjal University	Member
3	Ms. Swati Munjal	Director, Strategic Initiatives & Engagement	Member
4	Mr. Naveen Parasar	Chief Finance & Accounts Officer	Member
5	Dr. Vishal Talwar	Professor & Dean School of Management	Member
6	Dr. Maneek Kumar	Professor & Dean School of Engineering & Technology	Member
7	Dr. N. S. Nigam	Professor & Dean School of Law	Member
8	Dr. Jaskiran Arora	Professor & Associate Dean School of Management	Member
9	Dr. Kalluri Vinayak	Associate Professor & Associate Dean School of Engineering & Technology	Member
10	Dr. Anusree Paul	Associate Professor School of Management	Member
11	Mr. Abhay Sharma	Registrar	Member Secretary

**G. OTHER COMMITTEES AS PER STATUTORY REQUIREMENT****BOARD OF STUDIES, SCHOOL OF ENGINEERING & TECHNOLOGY**

S.No.	Name of Member(s)	Designation	Membership
1	Dr. Manoj K. Arora	Professor & Dean School of Engineering & Technology	Chairperson
2	Prof. Manoj Misra	Professor, Department of Computer Science and Engineering, IIT Roorkee	Member
3	Prof. Pankaj Chandna	Professor, Department of Mechanical Engineering, NIT Kurukshetra.	Member
4	Prof. Kulvir Singh	Professor, School of Physics and Material Science, Thapar Institute of Engineering and Technology, Patiala.	Member
5	Prof. P. B. Sujit	Associate Professor, Department of Electrical Engineering and Computer Science, IISER Bhopal	Member
6	Prof. Ranu Gadi	Associate Professor, Department of Applied Sciences and Humanities, IGDTUW, Delhi	Member
7	Prof. Payal Kumar	Professor, School of Management, BML Munjal University	Member
8	Mr. Rajinder Kumar Kaura	Chairman and Managing Director, Bergen Group of Companies	Member
9	Mr. Vinod Sood	Managing Director at Hughes Systique Corporation (HSC)	Member
10	Mr. Hitkul	BMU Alumni, 2014 Batch	Member
11	Prof. Goldie Gabrani	Professor	Member
12	Prof. A. K. Prasada Rao	Professor	Member
13	Prof. Mohit Sinha	Professor	Member
14	Prof. Sushil Chandra	Professor	Member
15	Prof. Ajay Mohan Goel	Professor of Practice	Member
16	Prof. Anupam Asthana	Professor of Practice	Member
17	Prof. O. S. Panwar	Professor of Practice	Member
18	Prof. Nandita Choudhury	Professor of Practice	Member
19	Dr. Kalluri Vinayak	Associate Professor	Member
20	Dr. Maheshwar Dwivedi	Associate Professor	Member

21	Dr. Amiya Kumar Dash	Associate Professor	Member
22	Dr. Kiran Khatter	Associate Professor	Member
23	Dr. Akhlaq Husain	Associate Professor	Member
24	Dr. Ziya Uddin	Associate Professor	Member
25	Dr. Rishi Asthana	Associate Professor	Member
26	Dr. Yarramaneni Sridharbabu	Associate Professor	Member
27	Dr. Tabish Rasheed	Associate Professor	Member
28	Prof. A. K. Prasada Rao	Assistant Professor	Member
29	Dr. Amarnath Bheemaraju	Assistant Professor	Member
30	Dr. Kamal Kant Jain	Assistant Professor	Member
31	Dr. Purnendu Shekhar Pandey	Assistant Professor	Member
32	Dr. Soharab Hossain Shaikh	Assistant Professor	Member
33	Dr. Devanjali Relan	Assistant Professor	Member
34	Dr. Ashok Suhag	Assistant Professor	Member
35	Dr. Rajiv Dey	Assistant Professor	Member
36	Dr. Harish Puppala	Assistant Professor	Member
37	Dr. Surya Prakash	Assistant Professor	Member
38	Dr. Deepti Sharma	Assistant Professor	Member
39	Dr. Neeraj Kumar Sharma	Assistant Professor	Member
40	Rahul Chauhan	Student, CSE	Member
41	Piyush	Student, CSC	Member
42	Narasimha Chandra P	Student, ME	Member
43	Swarnim Neema	Student, ECE	Member
44	Sawan	Student, Civil Engg	Member



**BOARD OF STUDIES-SCHOOL OF LAW**

S.No.	Constitution/Name of Member	Designation	Membership
1	Dr. Nigam Nuggehalli	Dean, School of Law, BMU	Chairperson
2	Dr. Kavita Chawla	Assistant Professor, School of Law, BMU	Member
3	Dr. Vivek Sehrawat	Assistant Professor, School of Law, BMU	Member
4	Mr. Shiladitya Rakshit	Assistant Professor, School of Law, BMU	Member
5	Dr. Jaskiran Arora	Assistant Professor, School of Law, BMU	Member
6	Dr. Mrinal Satish	Professor, National Law University, Delhi (on Deputation)	Member
7	Dr. Dalip Kumar	Dean, School of Law, Kurukshetra University	Member
8	Mr. Badrinath Durvasula	Vice President and General Council, HCC Ltd. Mumbai	Member

**BOARD OF STUDIES-SCHOOL OF MANAGEMENT**

S.No.	Name	Designation & Organisation	Membership
1	Dr. Vishal Talwar	Dean- School of Management, BMU	Chairperson
2	Dr. Payal Kumar	Professor- School of Management, BMU	Member
3	Dr. Jaskiran Arora	Professor- School of Management, BMU	Member
4	Dr. Amit Bagga	Associate Professor(Adjunct)- School of Management, BMU	Member
5	Dr. Davinder Singh	Associate Professor- School of Management, BMU	Member
6	Dr. Rik Paul	Assistant Professor- School of Management, BMU	Member
7	Dr. Jaya Ahuja	Assistant Professor- School of Management, BMU	Member
8	Dr. Goldie Gabrani	Professor- School of Engineering & Technology, BMU	Member
9	Dr. Prabal K. Sen	Former Professor - XLRI	Member
10	Mr. Suresh Mehra	VP HR, CO - Axis Bank	Member

## DISTRESS FUND COMMITTEE

S.No.	Name of the Member	Designation	Membership
1	Dr. Manoj K. Arora	Vice Chancellor, BML Munjal University	Chairperson
2	Dr. Vishal Talwar	Dean, School of Management	Member
3	Dr. N. S. Nigam	Dean, School of Law	Member
4	Dr. Maneek Kumar	Dean, School of Engineering & Technology	Member
5	Dr. Kalluri Vinayak	Associate Professor & Associate Dean School of Engineering & Technology	Member
6	Mr. Abhay Sharma	Registrar	Member
7	Col. Mohit Bawa	Dean Student Welfare	Member
8	Mr. Naveen Parasar	Chief Finance and Accounts Officer	Member
9	Shikshaa Sharma	Student, School of Engineering & Technology	Member
10	Aadya Gaur	Student, School of Management	Member
11	Gaurav Gupta	Student, School of Law	Member
12	Dr. Anuj Kumar Rana	Deputy Registrar	Member

## LIBRARY COMMITTEE

S.No.	Name of the Member	Designation	Membership
1	Dr. Manoj K. Arora	Vice Chancellor, BML Munjal University	Chairperson
2	Dr. Vishal Talwar	Dean, School of Management	Member
3	Dr. N. S. Nigam	Dean, School of Law	Member
4	Dr. Maneek Kumar	Dean, School of Engineering & Technology	Member
5	Dr. Goldie Gabrani	Professor, School of Engineering & Technology	Member
6	Dr. Kalluri Vinayak	Associate Professor & Associate Dean School of Engineering & Technology	Member
7	Abhay Sharma	Registrar	Member
8	Col. Mohit Bawa	Dean Student Welfare	Member
9	Mr. Naveen Parasar	Chief Finance and Accounts Officer	Member
10	Dr. Ritu Chhikara	Assistant Professor, School of Management	Member
11	Dr. Ruchi Garg	Assistant Professor, School of Management	Member

12	Dr. Ziya Uddin	Associate Professor, School of Engineering & Technology	Member
13	Dr. Soharab Hossain Shaikh	Assistant Professor, School of Engineering & Technology	Member
14	Dr. Nandita Choudhury	Professor of Practice, School of Engineering & Technology	Member
15	Mr. Shiladitya Rakshit	Assistant Professor, School of Law	Member
16	Ms. Aadya Gaur	Student Representative, MBA First Year	Member
17	Mr. Gaurav Rakesh Singh Sengar	Student Representative, BALLB (Hons) First Year	Member
18	Ms. Deepika Bisht	Student Representative, B.Tech Third Year	Member
19	Ms. Deepa Sharma	Assistant Librarian	Member Secretary
20	Dr. Vandana Suhag	Dean Education Quality	Special Invitee
21	Dr A.K. Prasada Rao	Professor, School of Engineering & Technology & Associate Dean (Doctoral Programmes)	Special Invitee

#### COMMITTEE AGAINST SEXUAL HARASSMENT (CASH)

S.No.	Name of the Member	Designation	Membership
1	Dr. Jaskiran Arora	Professor, School of Management	Presiding Officer
2	Dr. Nandita Choudhary	Professor, School of Engineering & Technology	Member
3	Dr. Kavita Chawla	Assistant Professor, School of Law	Member
4	Dr. Rik Paul	Assistant Professor, School of Management	Member
5	Ms. Rupa Murghai	Senior Counsellor, BML Munjal University	Member
6	Ms. Neera Sood	Warden-Girls Hostel, BML Munjal University	Member
7	Mr. Ankit Kargeti	Student, PhD-2018 Batch	Member
8	Ms. Arushi Jain	Student, MBA-2019 Batch	Member
9	Ms. Sejal Malhotra	Student, BBA-2018 Batch	Member
10	Mrs. Vidya Sridhar	Director, Raman Munjal Vidya Mandir	Member
11	Dr. Anuj Kumar Rana	Deputy Registrar, BML Munjal University	Member Secretary

**GRIEVANCE REDRESSAL COMMITTEE FOR FACULTY, STAFF & STUDENTS**

S.No.	Name	Designation	Membership
1	Dr. Jaskiran Arora	Professor & Asstt. Dean School of Management	Chairperson
2	Col. Mohit Bawa	Dean Student Welfare & Administration	Member
3	Dr. Payal Kumar	Professor, School of Management	Member
4	Dr. Chirag Malik	Associate Professor, School of Management	Member
5	Dr. Kavita Chawla	Assistant Professor, School of Law	Member
6	Papakannu Ajitesh Reddy	Student, B.Tech (Registration No: 1700255C203)	Special Invitees
	Paduchuri Venkata Sai Sampath	Student, B.Tech (Registration No: 1700253C203)	
	Arushi Jain	Student, MBA (Registration No:190A3010024)	
7	Ms. Charu Sakhuja	Senior Manager, HR	Special Invitees
8	Dr. Anuj Kumar Rana	Deputy Registrar	Special Invitees

**APPELLATE COMMITTEE, GRC FOR FACULTY, STAFF & STUDENTS**

S.No.	Name of Member	Designation	Membership
1	Dr. Manoj K. Arora	Vice Chancellor	Chairperson
2	Dr. Vishal Talwar	Dean, School of Management	Member
3	Dr. N. S. Nigam	Dean, School of Law	Member
4	Dr. Maneek Kumar	Dean, School of Engineering & Technology	Member
5	Mr. Abhay Sharma	Registrar	Member Secretary

## DISCIPLINARY ACTION COMMITTEE (DAC)

S.No.	Name of Member	Designation	Membership
1	Mr. Abhay Sharma	Registrar	Chairperson
2	Dr. Nandita Choudhury	Professor, SOET	Member
3	Dr. Kiran Khatter	Associate Professor, SOET	Member
4	Dr. Chirag Malik	Associate Professor, SOM	Member
5	Dr. Deepti Sharma	Assistant Professor, SOET	Member
6	Prateek Singhal	Student (B.Tech-2017 Batch)	Member
7	Mahika Mathur	Student (B.Tech-2017 Batch)	Member
8	Dr. Anuj Kumar Rana	Deputy Registrar	Member Secretary

## APPELLATE COMMITTEE, DAC

S.No.	Name	Designation	Membership
1	Dr. Manoj K. Arora	Vice Chancellor	Chairperson
2	Dr. Vishal Talwar	Dean, School of Management	Member
3	Dr. N. S. Nigam	Dean, School of Law	Member
4	Dr. Maneek Kumar	Dean, School of Engineering & Technology	Member
5	Prof. Ajay Mohan Goel	Professor of Practice School of Engineering & Technology	Member
6	Prof. Davinder Singh	Associate Professor, School of Management	Member
7	Dr. Anuj Kumar Rana	Deputy Registrar	Member Secretary

## ANTI-RAGGING COMMITTEE

S.No.	Mambers	Designation	Membership
1	Dr. Manoj K. Arora	Vice Chancellor, BML Munjal University	Chairperson
2	Mrs. Vidya Sridhar	Director, Raman Munjal Vidya Mandir	Member
3	Mr. Gajraj	Sub Inspector, PS Bilaspur, Gurugram	Member
4	Mr. Uma Shankar Singh	Bureau Chief, Dainik Bhaskar Gurugram	Member

5	Mr. Ravi Pahuja	COO, Raman Kant Munjal Foundation	Member
6	Dr. Jaskiran Arora	Professor-School of Management	Member
7	Dr Kalluri Vinayak	Associate Professor-School of Engineering & Technology	Member
8	Ms. Suneet Soni	Controller of Examinations, BML Munjal University	Member
9	Challagonda Harshini Rao	Student(B.Tech)- School of Engineering & Technology, BML Munjal University	Member
10	Shourya Tiwari	Student(B.Tech)- School of Engineering & Technology, BML Munjal University	Member
11	Akansha	Student (MBA) -School of Management, BML Munjal University	Member
12	Sneha Sinha	Student(BBA/B.Com)-School of Management, BML Munjal University	Member
13	Tanmay Narnoli	Student(B.B.A.LL.B) -School of Law, BML Munjal University	Member
14	Vishal Tyagi	Father of Yash Gautam- School of Engineering & Technology, BML Munjal University	Member
15	Akhilesh Maheshwari	Father of Vikhyat Maheshwari -School of Management, BML Munjal University	Member
16	Umesh Ohri	Father of Nandini Ohri; Student -School of Law, BML Munjal University	Member
17	Maturi bhavana Reddy	Student (B.Tech)- School of Engineering & Technology, BML Munjal University	Member
18	A. Nandu Vardhan Reddy	Student (B.Tech)- School of Engineering & Technology, BML Munjal University	Member
19	Sejal Malhotra	Student (BBA/B.Com) -School of Management, BML Munjal University	Member
20	Raghav Khunteta	Student (MBA)-School of Management, BML Munjal University	Member
21	Neera Sood	Female Warden	Member
22	Deepak Kumar	Male Warden	Member

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## INTERNAL QUALITY ASSURANCE CELL (IQAC)

In pursuance of the National Assessment and Accreditation Council (NAAC) guidelines, Bangalore, an IQAC, has already been constituted at BMU. The IQAC ensures the effective implementation of quality initiatives through continuous reviews and periodic meetings. The IQAC works towards attaining excellence in all academic and administrative endeavors of the university. The prime task of the IQAC is to develop a system for conscious, consistent, and catalytic improvement in the performance of institutions. The constitution of BMU IQAC is:

S.No.	Name	Designation
1	Dr. Manoj K. Arora	Vice Chancellor
2	Abhay Sharma	Registrar
3	Col. Mohit Bawa	Dean -Student Welfare & Administration
4	Santanil Dasgupta	Director-CGDC
5	Ms. Suneet Soni	Controller of Examinations
6	Dr. Goldie Gabrani	Professor, SOET
7	Dr. Jaskiran Arora	Professor & Associate Dean, SOM
8	Dr. Vinayak Kalluri	Associate Professor & Associate Dean, SOET
9	Davinder Singh	Associate Professor& Assistant Dean, External Relations, SOM
10	Dr. Vivek Sehrawat	Assistant Professor, SOL
11	Dr. S. N. Suri	Representative of the Management, BMU
12	Tanushree Srivastava	Alumni, BMU-(MBA (2014-16)
13	Vishal Sharma	Active Student, BMU- B.Tech-CSC, (2017-21)

### Functions

Some of the functions of the IQAC are:

- Development and application of quality benchmarks/parameters for the various academic and administrative activities of the university
- Dissemination of information on the various quality parameters of higher education
- Organization of workshops, seminars on quality related themes and promotion of quality circles
- Documentation of the various programmes/activities leading to quality improvement
- Acting as a nodal agency of the university for quality-related activities

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## Benefits

IQAC will contribute:

- a) To a heightened level of clarity and focus on institutional functioning towards quality enhancement and facilitate internalization of the quality culture
- b) To the enhancement and integration among the various activities of the university
- c) To provide a sound basis for decision-making to improve university functioning
- d) To act as a change agent in the university

## STUDENT COUNCIL EXECUTIVE COMMITTEE (SCEC) 2019-20

The SCEC comprises student representatives elected by the student community of the university. The SCEC holds the responsibility of handling the concerns and queries of the students and making every student's life better than the previous year.

The position holders during the tenure of SCEC (2019-20) are as follows:

S.No.	Regn No.	Name in Full	Course	Position
1	1700255C203	Ajitesh Reddy	B. Tech	President
2	1700086A202	Anmol Srivastava	BBA	Events Secretary
3	1700253C203	Sampath Paduchuri	B. Tech	Club Affairs Secretary
4	1800086A301	Sanchi Arora	MBA	Hostel Affairs Secretary
5	1700428C205	Ramprasad Reddy Sirpy Reddy	B. Tech	Sports Secretary
6	1700432C205	Swstik Gupta	B. Tech	Treasurer
7	1600259C203	M Mithila Reddy	B. Tech	Speaker



## 5. ACADEMICS

### ACADEMICS PROGRAMMES

S.No.	Program
1	B.Tech.-Computer Science & Engineering
2	B.Tech.- Computer Science
3	B.Tech.- Electronics & Communication Engineering
4	B.Tech.- Mechanical Engineering
5	B.Tech.- Civil Engineering
6	B.A LL.B (Hons)
7	B.B.A LL.B (Hons)
8	M.B.A
9	B.B.A
10	B.Com (Hons.)
11	Ph.D. (Engineering)
12	Ph.D. (Management)
13	Ph.D. (Law)

### Academic Support



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At BMU, students' success is the primary goal. All faculty, staff, and students remain committed to working towards this singular aim. BMU strives to provide the necessary academic and planning support to academically underperforming students in the form of mentors and counsellors. In each semester, students must meet their designated faculty mentors to plan the activities and courses for the next semester. The faculty mentor finalizes the student's academic program keeping in view the minimum/maximum number of total credits in a semester, course backlogs, course prerequisites, and his/her interest in the course. It is also the responsibility of faculty mentors to track the holistic progress of the students assigned to them. The faculty mentor helps the student work through academic difficulties. In the event of a student requiring the services of a professional counsellor for personal difficulties, the university arranges his/her access to a professional counsellor of repute.

### Teaching/Pedagogy

The teaching/learning modes that are part of the course shall be in the form of lectures, tutorials, practical's, study groups, case studies, projects, assignments, industry visits, guest lectures by experts, etc. At the start of each semester, the instructor shares the course handouts that will explicitly state the course aim, course contents, assessment plan, reading and learning outcomes and additional educational resources with the students.



### Outcome -Based Education (OBE) Implementation

BMU endeavors to follow the Outcome Based Education (OBE) and the choice-based credit system (CBCS) curriculum across all programs offered. It is targeted at achieving desirable outcomes (in terms of knowledge, skills, attitudes, and behavior) at the end of a program. Teaching with this awareness and making the associated effort constitutes outcome-based education. This entails a regular methodology for ascertaining the attainment of outcomes, and benchmarking these against the program outcomes consistent with the objectives of the program.

#### OBE Framework

- a) Identify & define the learning outcomes at all levels and explicitly document the same in the curriculum.
- b) Organize the teaching and learning activity through student - centered task and project base learning.

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- c) Assessment and evaluate at all levels of learning outcomes i.e. Programme Educational Objectives (PEOs), Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs)

**Program Educational Objectives (PEOs):** Program educational objectives are broad statements that describe the career and professional accomplishments that the program is preparing graduates to achieve.

**Program Outcomes (POs):** Program outcomes describe what students are expected to know and would be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program.

**Program Specific Outcomes (PSOs):** Program Specific Outcomes are statements that describe what the graduates of a specific program/specialisation should be able to do. In consistent with POs/PSOs the Course Outcomes (COs) of a particular course are formulated.



## 6. FACULTY & STAFF

### FACULTY MEMBERS

S.No.	Employee Name	Designation	Qualification	Specializations
1	Dr. Manoj Kumar Arora	Professor & Vice Chancellor	Ph.D, Swansea University (UK)	Geospatial Science, Digital Image Processing, Machine Learning, Disaster and Risk Studies
2	Dr. Maneek Kumar	Professor & Dean	Ph.D, Thapar University	Structural Engineering
3	Dr. AK Prasada Rao	Professor	Ph.D, IIT Kharagpur	Solidification processing of metallic systems and sustainable manufacturing of metallic systems; 3D-printing of metallic materials; Artificial Intelligence
4	Dr. Goldie Gabrani	Professor	Ph.D, Delhi Technical University	IOT, healthcare, Computer Networks Data analytics
5	Mr. Ajay Mohan Goel	Professor of Practice	BE, PEC, Chandigarh, PGDBM, XLRI, Jamshedpur	Digital Electronics
6	Mr. Anupam Asthana	Professor of Practice	M.Tech, IIT Bombay, MBA, Manchester Business School, UK	Thermal and Fluids Engg
7	Dr. Nandita Choudhury	Professor of Practice	Ph.D, Lucknow University	Language and Literature, Communication Theory, Technical Writing, Inter-Personal and Cross-cultural communication.
8	Dr. Sushil Chandra	Professor of Practice	Ph.D, BITS, Pilani	Automobile Design
9	Dr. Amiya Dash	Associate Professor	Ph.D, NIT, Rourkela	Machine Design, Solid Mechanics, Dynamics of Machine, Bio-Mechanics and Mechanical System Design
10	Dr. Akhlaq Husain	Associate Professor	Ph.D, IIT Kanpur	Theory and Partial Differential Equations, Spectral Element Methods, Parallel/Scientific Computing
11	Dr. Kiran Khatter	Associate Professor	Ph.D, Himachal Pradesh University	Non-functional Requirements, Software Architecture Intrusion Detection, Data Mining, Machine Learning

12	Dr. Maheshwar Dwivedy	Associate Professor	Ph.D, BITS Pilani	Sustainability studies through systems approaches such as life-cycle assessment to model technological progress and product diffusion
13	Dr. Rishi Asthana	Associate Professor	Ph.D, IIT Roorkee	Hydrodynamic Stability, CFD, Mathematical Modelling
14	Dr. Tabish Rasheed	Associate Professor	Ph.D, Aligarh Muslim University	Molecular Spectroscopy, Quantum Chemistry, Organic Electronics
15	Dr. Vinayak Kalluri	Associate Professor	Ph.D, BITS Pilani	Product Design & Development, Mechanical System Design, Problem Solving Methods, Manufacturing Process and Control
16	Dr. Yarramaneni Sridharbabu	Associate Professor	Ph.D, Kurukshetra University	Characterization of Conducting Polymers, High energy heavy ion irradiation of polymers conducting polymers, Nanoparticle doped conductive polymers, Thin Films
17	Dr. Yogesh Gupta	Associate Professor	Ph.D, Dayalbagh Educational Institute, Agra	Information Retrieval System, Big Data Analysis, Optimisation Techniques
18	Dr. Ziya Uddin	Associate Professor	Ph.D, G.B. Pant University of Agriculture & Tech.	Computational Fluid Dynamics, Soft Computing Techniques, Heat pipes, Cooling of industrial machinery and electronic devices, Nanofluids, Waste Industrial fluids and microfluids, Financial Mathematics and Data Analytics
19	Dr. Abhimanyu Singh Rana	Assistant Professor	Ph.D, University of Pune	Spintronics, Low dimensional materials (Metal Oxides, Carbon), Resistive Switching Devices and Memristors, Materials for energy harvesting and storage, Electric Field Effects in Complex Metal-Oxides
20	Mr. Adnan Hussain	Assistant Professor	M.Tech, Jamia Millia Islamia University	Vulnerability Analysis of Reinforced Concrete Structures, Development of Fragility Curves, Risk Assessment

21	Dr. Ajay Kumar Sood	Assistant Professor	Ph.D, IIT Delhi	Drag reduction in turbulent channel/pipe flows, large eddy simulations, DNS, Fluid structure interactions, hybrid turbulence models
22	Dr. Amarnath Bheemaraju	Assistant Professor	Ph.D, University of Massachusetts, Amherst	Organic Electronics, Materials Chemistry and Organometallic chemistry
23	Dr. Anubhav Agrawal	Assistant Professor	Ph.D, IIT Roorkee	Power Electronics and Drives
24	Dr. Arijit Maitra	Assistant Professor	Ph.D, Westfalische Wilhelms University, Munster (Germany)	Computational Physical Chemistry, Materials Science, Biophysics
25	Dr. Ashok Kumar	Assistant Professor	Ph.D, Gautam Buddha University	VLSI testing and design for testability, Memory system design, Secure Scan and Low Power VLSI design
26	Mr. Atul Mishra	Assistant Professor	M.Tech, School of Engineering, BBD University Lucknow	Natural Language Processing, Machine Learning, Software Engineering
27	Dr. Bipin Singh	Assistant Professor	Ph.D, IIT Hyderabad	Bioinformatics, Computational Biology and Chemistry
28	Dr. Brij Bihari Dubey	Assistant Professor	Ph.D, NIT Hamirpur	Wireless Networks, Mobile Ad-Hoc and Sensor Networks, Delay Tolerant Networks, Fuzzy Systems
29	Mr. Debajyoti Ghosh	Assistant Professor	M.Sc., University of Calcutta	Query algorithms in road network for location-based services
30	Dr. Deepti Sharma	Assistant Professor	Ph.D, Dr B.R. Ambedkar University, Agra	English as a Second Language, Language Acquisition, Different Styles of Communication, Cross Cultural Communication, Social and Psychological Issues, English Literature, New Pedagogies in Language Learning Experiential Learning, Role of Technology in Education

31	Dr. Devanjali Relan	Assistant Professor	Ph.D, University of Edinburgh (UK).	Image processing, applied machine learning, biomedical signal and image analysis
32	Dr. Puppala Harish	Assistant Professor	Ph.D, BITS, Pilani	Geothermal energy
33	Ms. Jyoti Pruthi	Assistant Professor	M.Tech, MDU, Rohtak	Machine Learning, Theory of Computation, Mobile Application Development
34	Dr. Kamal Kant Jain	Assistant Professor	Ph.D, IIT Delhi	Concrete Technology, Construction Management, Structural Condition Assessment, Sustainability and Durability of RC Structures, Application of Data Analytics in Construction Industry, Green Buildings, Sustainable Infrastructure, Life Cycle Assessment
35	Dr. Meenakshi Agarwal	Assistant Professor	Ph.D, NSIT Delhi	Digital Filters, Digital Circuits, Digital Signal Processing, Solar energy
36	Dr. Amarjit Roy	Assistant Professor	Ph.D, NIT Silchar	Signal Processing (Image Processing)
37	Dr. Nallan Chakravartula Kaushik	Assistant Professor	Ph.D, NIT Warangal	Finite Element Modeling of Composites, Thermal and Thermo-mechanical modeling of composite behavior, Fabrication, and characterization of metal matrix composites
38	Dr. Neeraj Kumar Sharma	Assistant Professor	Ph.D, Gautam Buddha University	Finite Element Method, Heat & Mass Transfer, Refrigeration & Air-conditioning, Computational Modeling in Mechanics of Materials.
39	Dr. Nirupama M.P	Assistant Professor	Ph.D, Jain University, Bangalore	Vacuum Nano Electronics and Devices, Aerospace, VLSI Design and Fabrication
40	Ms. Nishtha Phutela	Assistant Professor	M.Tech, IIIT Delhi	Distributed Systems, Wireless Systems with focus on Wi-Fi Networks Optimization, Software Defined Radio and Software Defined Networking

41	Dr. Pradeep Kumar	Assistant Professor	Ph.D, Anna University	Cloud Computing, Security, GIS
42	Dr. Purnendu Pandey	Assistant Professor	Ph.D, IIIT Allahabad	IoT (Internet of Things), Cyber Security, Machine Learning, Adhoc Networks, Sensor Networks, Network Coding in Wireless Networks, D2D assisted Networks (4G, 5G)
43	Dr. Rajesh Yadav	Assistant Professor	Ph.D, Mewar University	D2D Security in 5G Technology, Network Slicing in 5G Networks
44	Dr. Rajiv Dey	Assistant Professor	Ph.D, IIITDM Jabalpur	Adaptive control, Embedded system, and IoT
45	Dr. Ranbir Singh	Assistant Professor	Ph.D, DCRUST Murthal	Mechatronics & Automation, Flexible Manufacturing, Design, Industrial Engg. & Manufacturing, Instrumentation
46	Dr. Ranjib Banerjee	Assistant Professor	Ph.D, Jadavpur University	Nonlinear Dynamics & Chaos Synchronization, Computational Mathematics and Complex Network
47	Dr. Sanmitra Barman	Assistant Professor	Ph.D, Kansas State University (USA)	Photocatalysis for the degradation of organic pollutants in water, Heterogeneous photocatalysis for the proton reduction, Chiral catalysis for the synthesis of pharmaceutically important molecules
48	Dr. Satyendr Singh	Assistant Professor	PhD, University of Allahabad	Natural Language Processing
49	Ms. Sharisha Shanbhag	Assistant Professor	MS, Manipal University	C Programming, Computer Networks, Data Structures in C, Design & analysis of algorithms & fundamentals of programming
50	Dr. Shuvabrata Bandopadhaya	Assistant Professor	Ph.D, KIIT University, Bhubaneswar	Communication systems
51	Dr. Soharab Hossain Shaikh	Assistant Professor	Ph.D, University of Calcutta	Computer Vision/Image Processing



52	Mr. Sonu Kumar	Assistant Professor	M.Tech, Delhi Technical University	Advanced Manufacturing, Automation
53	Dr. Suchitra Rajput Chauhan	Assistant Professor	Ph.D, IIT Delhi	Water Remediation (Degradation of Textile dye), Superconducting wires, Thin Films, Memory alloys, Spintronics
54	Dr. Sumit Roy	Assistant Professor (on leave)	Ph.D, NIT Agartala	Internal Combustion Engine and Emissions, Alternative Sources of Energy for Transportation, Optimizing Advanced Combustion, OBD of Advanced Combustion Engines, Electrical Vehicles
55	Dr. Surya Prakash	Assistant Professor	Ph.D, MNIT Jaipur	Robust Optimization and AI in Manufacturing, Supply Chain Design and MADM/MCDM, Industry 4.0, Industrial Engineering and Technology Management, Supply Chain Risk Management
56	Mr. Lalit Kumar Sharma	Faculty Associate	M.Tech, MDU Rohtak	Manufacturing Engg.
57	Mr. Mohit Sinha	Adjunct Professor	Post Graduate Physics Tata Institute of Fundamental Research , Mumbai, B.Tech,IIT -K	Creating path breaking products, IPs, and patents in interdisciplinary areas involving Communication Systems, Signal/Image Processing, Smart Grid/Metering, Physics, and Wireless & Wire-line Communication Tech
58	Ms. Monika Moka	Faculty Associate	M.Tech, Rajasthan Technical University; B Tech MIT-Kota	Programing languages- c, java and subjects principles of cryptography and security, fundamentals of digital logic
59	Mr. Vijay Prakash Sharma	Faculty Associate	M.Tech, MDU, Rohtak	Smart Manufacturing, Industrial Engineering and advanced machining.
60	Dr. O.S. Panwar	Adjunct Professor	Ph.D, Panjab University	Silicon and carbon based materials & devices

## School of Management

S.No.	Employee Name	Designation	Qualification	Specializations
1	Dr. Vishal Talwar	Professor & Dean	Ph.D, Manchester University (UK)	Marketing
2	Dr. Jaskiran Arora	Professor	Ph.D, MDU, Rohtak	Corporate Finance, Corporate Governance, Teaching and Learning Practices, Earnings Management, Micro Finance and Self-Help Groups
3	Dr. Payal Kumar	Professor & Dean	FPM, XLRI	Mentoring, leadership & followership, gendered leadership, entrepreneurship
4	Mr. Kollath Jesudas George	Assistant Dean Associate Professor	Pursuing PhD Post-Graduation in Retail Operation from Sikkim Manipal University	Corporate connect and Marketing Executive programs and MDP's
5	Dr. Anusree Paul	Associate Professor	Ph.D, University of Calcutta	Health Economics, Applied Econometrics, International Economics, Trade Policy, Political Economy of Trade, Regional Trade Agreements, Non-Tariff Measures
6	Dr. Chirag Malik	Professor of Practice	Ph.D, Dr. APJ Abdul Kalam Technical University, Lucknow	Business Analytics, Marketing Analytics, Business Research, Machine Learning using R
7	Mr. Davinder Singh	Professor of Practice	MBA, Institute of Rural Management , Anand, Gujarat	Innovation Management
8	Dr. Rik Paul	Associate Professor	Ph.D, IBS, Hyderabad	Service Value, Customer Satisfaction, Customer Loyalty, Atmospherics, Anthropomorphism, Innovative Pedagogy
9	Dr. Sangita Choudhary	Associate Professor	Ph.D, University of Rajasthan	Earnings Management, Financial Markets, Behavioral Finance

10	Dr. Dipankar Das	Assistant Professor	Ph.D, The University of Burdwan	Economic Theory, Decision Theory, Computational Economics and Game Theory.
11	Dr. Jaya Ahuja	Assistant Professor	Ph.D, Jamia Millia Islamia University	Organizational Leadership, Personality and Team Building, Work Life Integration, Sustainable HRM, Personality
12	Dr. Ritu Chhikara	Assistant Professor	Ph.D, FMS, Delhi	Sustainable Marketing, Sensory marketing
13	Dr. Ruchi Garg	Assistant Professor	FPM, MDI, Gurgaon	Sensory Marketing, Sustainability, Consumer Brand Relationship
14	Dr. Vaishali Sharma	Assistant Professor	Ph.D, Delhi Technical University	Re-manufacturing, Supply Chain, Marketing, International Business

#### School of Law

S.No.	Employee Name	Designation	Qualification	Specializations
1	Dr. N. S. Nigam	Professor & Dean	Ph.D, Oxford University (UK)	Tax Law, International Tax Law, Jurisprudence, Political philosophy
2	Dr. Mool Chand Sharma	Professor Emeritus	Ph.D, North Western University Law School, (U.S.A)	Constitutional jurisprudence; Law, Political Economics & Development; Law, Politics & Democracy; Poverty & Human Rights Jurisprudence
3	Dr. Kavita Chawla	Assistant Professor	Ph.D, Jamia Millia Islamia University	Contract Law, Company Law, Competition Law, Property Law, Commercial and business laws
4	Mr. Shiladitya Rakshit	Assistant Professor	LL.M, University of Durham (UK)	Criminal Law and Family Law/ International Investment Law
5	Dr. Vivek Sehrawat	Assistant Professor	Ph.D, University of Kansas, Lawrence (USA)	Law of Torts, International Law, International Humanitarian Law, National Security, Autonomous weapon systems, Privacy Law
6	Mr. Aditya Pratap Singh Rathore	Assistant Professor	LL.M, Azim Premji University, Bangalore	Public Laws & Corporate Governance

**STAFF MEMBERS**

S.No.	Employee Name	Designation	Department
1	Ms. Swati Munjal	Director- Strategic Initiatives and Student Engagement	Strategic Initiatives and Student Engagement
2	Mr. Abhay Sharma	Registrar	Registrar's Office
3	Col. Mohit Bawa	Dean-Student Welfare and Administration	Administration
4	Dr. Vandana Suhag	Dean - Education Quality	Administration
5	Mr. Naveen Parasar	Chief Finance and Accounts Officer	Finance And Accounts
6	Mr. Santanil Dasgupta	Director-Corporate Relations	Career Guidance & Development Center
7	Ms. Suneet Soni	Controller of Examinations	Examination
8	Ms. Gunjan Lalchandani	Vice President	President Office
9	Ms. Apoorva Bagchi	Director	Marketing
10	Mr. Ashu Diwan	Head-Student Outreach	Admission
11	Dr. Anuj Kumar Rana	Deputy Registrar	Registrar's Office
12	Mr. Ajay Kumar Yadav	Senior Manager	Center for Advanced Materials and Devices
13	Mr. Alipta Dutta	Senior Manager	Career Guidance & Development Center
14	Mr. Anupam Ralhan	Senior Manager	Administration
15	Mr. Bhanu Pratap Kaushik	Deputy Manager	Marketing
16	Ms. Charu Joneja	Senior Manager	Marketing
17	Ms. Charu Sakhuja	Senior Manager	Human Resource
18	Mr. Harish Chandra	Deputy Manager	Human Resource
19	Mr. Jitendra Prakash	Deputy Manager	Admission
20	Mr. Jiwan Kumar Jha	Deputy Manager	IT
21	Mr. Manish Sharma	Deputy Manager	Admission
22	Mr. Prakash Kami	Deputy Warden	Administration (Hostel)
23	Mr. Rupesh Kumar Singh	Deputy Manager	Finance and Accounts
24	Ms. Shuchika Vinayak	Senior Manager	Admission
25	Mr. Vinod Parkash	Senior Manager	Administration (Security)

26	Dr. Achla Bhatia	Senior Advisor Medical Services	Administration (Medical)
27	Mr. Amit Kumar	Assistant Manager - Academic Operations	Program Office
28	Mr. Amrita Kumar Saha	Assistant Editor	Program Office
29	Mr. Ankur Panchal	Assistant Manager	Admission
30	Mr. Arun Sharma	Assistant Manager	IT
31	Mr. Binu Zacheriah	Assistant Manager	Admission
32	Mr. Buddhadeb Das	Assistant Registrar	Registrar's Office
33	Mr. Dalip Kumar	Assistant Manager	Administration (Facility)
34	Ms. Deepa Sharma	Assistant Librarian	Library
35	Mr. Devender Kumar Nehra	Assistant Registrar- Acad Ops	Program Office
36	Ms. Raisha Mukherjee	Assistant Manager	Human Resource
37	Mr. Rohit Grover	Assistant Manager	Admission
38	Ms. Roobal Saxena	Assistant Manager	Marketing
39	Mr. Sandeep Kumar Singh	Assistant Manager	IT
40	Mr. Sanjay Thakur	Assistant Manager	IT
41	Mr. Sanjeev Kumar Verma	Assistant General Manager	Finance and Accounts
42	Mr. Siddharth Sharma	Assistant Manager	Admission
43	Mr. Piyush Chaturvedi	Assistant Engineer- Process Equipment and Maintenance	Center for Advanced Materials and Devices
44	Mr. Ajay Mahajan	Regional Manager	Admission
45	Mr. Akash Agnihotri	Senior Lab Technician	CSE
46	Mr. Amit Gautam	Senior Lab Technician	ME
47	Mr. Amit Kumar Upadhyay	Senior Executive	Finance and Accounts
48	Ms. Ashima Sharma	Senior Counsellor	Admission
49	Mr. Bharat Bhushan	Manager	Admission
50	Mr. Davinder Singh	Manager	IT
51	Mr. Deepak Kumar	Warden	Administration(Hostel)

52	Mr. Deepak Yadav	Fire and Safety Officer	Administration (Security)
53	Mr. Deewan Singh Rawat	Manager	Finance and Accounts
54	Mr. Dibakar Paul	Manager	Finance and Accounts
55	Mr. G. Shekar Reddy	Manager	Admission
56	Mr. Gopal Singh Pimoli	Regional Manager	Admission
57	Mr. Inderjeet Singh Basra	Manager	Career Guidance & Development Center
58	Mr. Jagadeesh Naga Dev Kanchadapu	Manager	Admission
59	Mr. Jai Prakash Bhardwaj	Warden	Administration (Hostel)
60	Mr. Kishan Pal Singh	Senior Lab Technician	Chemistry
61	Mr. Koshtuba Nand	Program Manager	Program Office
62	Ms. Kudrat Sharma	Manager	Career Guidance & Development Center
63	Mr. Mahender Singh	Senior Lab Technician	ME
64	Ms. Manisha Rawat	HR and Admin Executive	Administration
65	Mr. Mohit Saxena	Placement Coordinator	Career Guidance & Development Center
66	Ms. Monika	Senior Counsellor	Admission
67	Ms. Naina Nanda	Senior Counsellor	Admission
68	Ms. Namrata Tyagi	Processing Counsellor	Admission
69	Ms. Neera Sood	Warden	Administration (Hostel)
70	Mr. Nitesh Kumar	Senior Executive	Examination
71	Mr. Pankaj	Senior Graphic Designer	Marketing
72	Mr. Partha Partim Dhara	Manager	Admission
73	Ms. Priyanka Kalra	Senior Counsellor	Admission
74	Mr. Rajat Rai	Senior Counsellor	Admission
75	Mr. Rakesh Kumar Bhardwaj	Manager	Administration (Maintenance)
76	Ms. S Sharmila	Senior Counsellor	Admission
77	Ms. Sakshi Sethi	Senior Counsellor	Admission

78	Mr. Sandeep Kumar Sharma	Senior Executive	Registrar`s Office
79	Ms. Sandhya Pathak	Senior Counsellor	Admission
80	Mr. Satish Kumar Pandey	Manager	Examination
81	Mr. Satpal	Senior Lab Technician	EC
82	Mr. Sharad Sharma	Senior Executive	Registrar`s Office
83	Mr. Shravan Kumar	Senior Executive	Admission
84	Mr. Sumit Kumar	Senior Lab Technician	CSE
85	Mr. Sunil Budholia	Manager	Administration
86	Mr. Suraj Bhan	Senior Officer	Administration
87	Mr. Surendra Kumar Selwal	Manager	Administration
88	Mr. Vasudeva Rao Yellapu	Regional Head (South Ind) Corp Relations	Career Guidance & Development Center
89	Mr. Yogender Singh	Senior Executive	Human Resource
90	Dr. Rupa Murghai	Senior Counsellor	Administration
91	Ms. Sulekha	Sports Officer	Sports
92	Ms. Anuradha Mandal	Counsellor	Admission
93	Mr. Hira Lal	Engineer	Administration (Facility)
94	Mr. Indrajeet Kumar Singh	Processing Counsellor	Admission
95	Mr. Jagdish Singh Samant	Officer - Admission and Outreach	Admission
96	Ms. Khushboo Purohit	Counsellor	Program Office
97	Ms. Poonam Chhabra	Section Officer - Acad Ops	Program Office
98	Mr. Sameer Raj Suhta	Examination Coordinator	Examination
99	Ms. Seema	Academic Coordinator	Program Office
100	Ms. Shreya Doley	Counsellor	Admission
101	Mr. Shubhang Srivastava	Brand Manager	Marketing
102	Ms. Veeneta Jamwal	Section Officer - Acad Ops	Program Office
103	Mr. Gopal	Lab Technician	ME

104	Mr. Gora Banerjee	Lab Technician	ME
105	Mr. Jagveer Singh	Lab Technician	ECE
106	Mr. Kaushlesh Sharma	Lab Assistant	Physics
107	Mr. Lalit Kumar	Lab Supervisor	EC
108	Ms. Manisha Devi	Lab Technician	ME
109	Mr. Naresh Verma	Lab Technician	Physics
110	Mr. Pawan Kumar	Lab Technician	ME
111	Mr. Pitam Singh	Lab Technician	ME
112	Mr. Rajnish Kumar Dhangar	Lab Technician	ECE
113	Mr. Rohtash Kumar	Lab Technician	CSE
114	Mr. Suresh K. Tanwar	Lab Supervisor	ME
115	Mr. Tirath Kumar	Lab Technician	ME
116	Mr. Yazpal	Lab Technician	Administration
117	Mr. Abhishek Kumar Ray	Executive	IT
118	Ms. Anubha Mahendru	Junior Executive	Marketing
119	Mr. Binda Puri	Assistant	Administration
120	Mr. Digvijay Singh	Executive	IQAC
121	Mr. Monoj Dutta	Executive Assistant	Administration (PA to Dean, SOM)
122	Mr. Mukesh Kumar Sharma	Executive	Examination
123	Mr. Sahil Yadav	Junior Officer	Administration
124	Mr. Sanjay Kumar	Assistant	Admission
125	Mr. Shyam Singh	Assistant	Library
126	Mr. Sudhir Dhayani	Executive	Administration (Purchase)
127	Ms. Vandana Malhotra	Executive Assistant - President and Director Strategic Initiatives and Student Engagement	President Office
128	Mr. Vikram Singh	Executive	Administration



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129	Mr. Vivek Kumar Verma	Executive	Finance and Accounts
130	Mr. Abhinandan Kashyap	Officer	Marketing
131	Ms. Kavita	Office Executive	Library
132	Mr. Rahul Singh	Library Assistant	Library
133	Mr. Vipin Kumar	Library Assistant	Library
134	Mr. Parmod Kumar	Lift Maintenance Engineer	Administration (Maintenance)
133	Ms. Poonam	Caretaker	Administration (Hostel)
134	Mr. Dheeraj Kumar	Security Supervisor	Administration (Security)

## 7. INFRASTRUCTURE



### WORKSHOP, LABS & CENTERS OF EXCELLENCE

The central workshop facility, also called the “Workshop of the Future”, provides state-of-the-art capabilities for teaching, training, and development, through which students can get a hands-on, industry like immersive teaching-learning experience. The “Workshop of the Future” is planned with a wide range of resources towards introducing students to the different stages of a product development life cycle- right from “Conceiving an idea” to the “Final production” of the component. Different physical and virtual infrastructure requirements are planned to be integrated into a spacious 4500 sqm. dedicated area comprising various laboratories, and basic and advanced manufacturing facilities along with sponsored Centers of Excellence from companies like Siemens amongst others. Students are advised to adhere to safety norms and guidelines as framed by different labs. Entry to the workshop may be denied if the student does not wear the proper attire, including safety attire. The university labs house a variety of equipment where faculty and students have access to scanners, printers, digital cameras, video cameras, and other technology tools. Disciplinary action may be taken against students misusing these facilities.

#### Center for Advanced Materials (CAMD)

The center is equipped with several scientific instruments in three major research facilities:

1. Materials Characterization Lab
2. Thin-films and Measurement Lab
3. Device and Fabrication Lab



### Siemens Center of Excellence in Automation Robotics and Mechatronics

The Siemens Center of Excellence (CoE) was established in 2014 at BML Munjal University with state-of-the-art Siemens products and software. The CoE is designed as a complete learning solution to build skills and equip students with expertise in design, manufacturing, and automation. The partnership between Siemens and BMU has resulted in the creation of a world-class integrated skill development infrastructure with core focus on Product Life Cycle Engineering, Automation, Mechatronics and Robotics infrastructure. The collaboration aims to train students on relevant industry processes and help create industry-ready trained personnel.



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The laboratories which have been established at as part of the COE are as follows:

- Kuka Robotics lab
- Process Instrumentation lab
- Energy saving lab
- Mechatronics labs
- Pneumatics & Hydraulics lab
- CNC controller lab
- Automation lab
- Product Lifecycle Management (PLM) lab

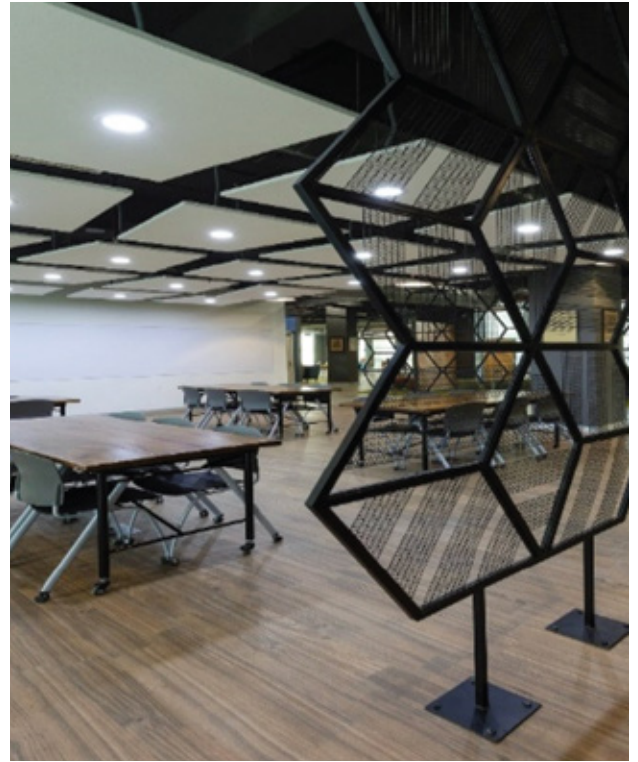
### **Science and Engineering Laboratories**

- 1) Civil Engineering Lab
- 2) Mechanical Engineering Lab (CAE & CAD Lab)
- 3) Additive Manufacturing Lab
- 4) Workshop and Manufacturing Lab
- 5) Material Testing Lab
- 6) Kinematics & Dynamics of Machines
- 7) Fluid Mechanics/ Machines & Hydraulics
- 8) Automobiles Lab
- 9) Heat & Mass Transfer Lab
- 10) Internal Combustion Engines Lab
- 11) Chemistry Lab
- 12) Physics Lab
- 13) Bloomberg Terminal Lab
- 14) Language Lab

### **Propel-The Incubator**

Propel, an incubator at BML Munjal University has been established to encourage and support the aspiring entrepreneurs in their pursuit of innovative solutions and develop the entrepreneurship among the students through its programs and activities. Propel has many special features:

- It has co-working spaces designed to enable team or individual work .
- To bounce off ideas with others.
- Students can use the conventional seating or the casual workspaces depending on the task engaged in.
- The entire space has hi-speed internet access through Wi-Fi.



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Propel provides regular interaction, mentoring and training with successful entrepreneurs, angel investors and industry experts. Regular competitions (ideathons, pitching etc.) are also conducted. The student teams are nurtured to form ventures and would be provided with the support to grow and gain funding. Several of the students and alumni venture teams are being mentored at Propel. The students can apply for joining appropriate programs at Propel.

## ICT INFRASTRUCTURE

The BMU houses centralized computing facilities, campus-wide networking, and information technology to enrich the educational experience and invigorate emerging scholarly research and education areas. The central computing facility caters to the computing requirements for all working with BMU.

BMU has made several strides in ICT, starting with formulating its digital strategy and outlining a transformation plan. It includes enhancement of internal infrastructure, the establishment of an Information Technology Infrastructure Library (ITIL) governance framework, and implementation of several new systems and platforms for improving operational effectiveness, including a new website and admissions platform, a helpdesk/ticketing system, and a university-wide communication and collaboration system.

The university has seven computer labs with 60 computer terminals in each. A total of 463 computer systems are present, equipped with the following software and operating systems.

- Office 365
- NX 10
- MATLAB
- Cadence
- Ansys
- NX Academic Perpetual License CORE+CAD
- NX Academic Perpetual License CAE+CAM

The computer center is equipped with 64-bit multi-core Xeon processor-based servers running in a virtualized cloud environment designed to provide maximum uptime and compute on-demand facilities to the university community. These run central network functions such as authentication, database services, application servers, etc. These servers cater to about 4,000 nodes - of which 500 are in the computing labs. All machines have internet access over high-speed fiber-optic links. The primary operating environments are a mix of CentOS, Windows Server, and Linux.

Computer labs have thick and thin clients available to students on which they can use Windows as well as Linux applications. They can also connect to the HPCC (High-Performance Compute Cluster.) The network backbone is Gigabit switched running on a star fiberoptic network across the entire campus. Additional redundancy is provided using a failover wireless mesh across campus. End client access is provided through a mix of wired and wireless technologies. The entire campus acts as a wireless 'hot spot' by providing a Wi-Fi network based on the 802.11n standard. Any student having their own laptop/ tablet/smartphone can be made part of the campus wireless network and have internet access. However, the device must be equipped with adequate and current antivirus protection, and usage must conform to the university's Acceptable IT Use policy.

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Ancillary services and access to peripherals like scanners, printers, etc. are available to students through the computing labs and library. Centralized online backups are also maintained for the campus. Antivirus protection is provided at the gateway, server & client levels. All classrooms are equipped with ceiling-mounted LCD/DLP projectors, computers, and PA system with wireless microphones. The university has several academic alliances with leading IT majors such as Microsoft, Google, AWS, etc. A broad portfolio of applications and platforms is available for use by students and faculty. Applications range from basic operating systems to high-end clustering and grid computing solutions.

Additionally, specialized software is available to students like Origin Lab, Ansys, StaadPro, R for Statistical analysis, Matlab, etc. A complete list of software can be made available by placing a request to the IT Helpdesk ([bmuassist.freshdesk.com](mailto:bmuassist.freshdesk.com)). This can also be accessed using the Freshdesk mobile app – available on iOS and Android on their respective app stores.

### **MAITRI – ERP (Academic Automation System)**

The university is using an integrated university management platform named Maitri. Besides catering to the student lifecycle management, and other support functions such as finance, human resources, payroll, and procurement, it also provides learning management functionality aligned with the outcome-based framework of teaching & learning. Student life cycle management involves admission re-admission, course registration, progression, assessment, etc. In the academic activity, Timetable, sharing online teaching content, assignment, the presentation with students, online assessment, student attendance, Student OD system, Student feedback, Examination system to calculate grades, etc. are created on the ERP.

### **Amenities**

BMU has a green campus with spacious , airconditioned classrooms fitted with audio-visual aids for lectures and presentations. It has various labs, workshops & centers of excellence.

### **CAMPUS GREEN COVER-UP**

- 84% of the campus has green area comprises of ground cover, trees, shrubs etc. and have approximately 12000 trees of various species planted inside the campus.
- Taps and showers in the whole campus are equipped with aerators creating a non-splashing stream and often delivering a mixture of water and air, reducing water wastage. Portable sprinklers are used for water conservation.



Total number of buildings in the campus are 13, as listed below:

<b>S. No.</b>	<b>Building Name</b>
1	Apartment A Hostel
2	Apartment B Hostel
3	Apartment C Hostel
4	Apartment D Hostel
5	Tower Hostel-1
6	Tower Hostel-2
7	Gateway-A & B
8	North Block Hero MotoCorp
9	Library
10	Workshop
11	Staff Support Housing
12	Faculty Housing
13	Laundry Building





North Block Hero MotoCorp Block and the academic areas in Gateway A and buildings consist of faculty offices, classrooms, tutorial rooms. laboratories etc.

### Hostels:

The campus can house 2000 students in the state-of-the-art multi-storeyed hostels and apartments. It includes three, two, and single-seater rooms. The hostels have common areas on each floor with entertainment and recreational facilities.

The types of hostels are: -

S. No.	Hostel Type	Number
1	Apartment	04
2	Tower Hostel	02

**Tower Hostel-1**



**Tower Hostel-2**

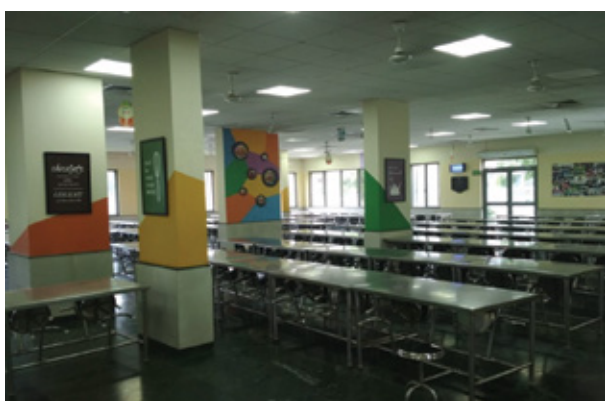


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## Apartment Hostel



**Two Student Messes:** The University has two student messes on the campus. Both messes are spacious and have comfortable seating arrangements. Both messes serve four meals during the day, namely breakfast, lunch, evening tea & snacks, and dinner, and students can avail of a mix of North Indian and South Indian cuisine. The Mess Committee has active student members and is empowered to handle the messes' day-to-day affairs like menu planning, quality monitoring, etc. With students from all over India and beyond, there is sensitivity towards dietary restrictions and preferences.

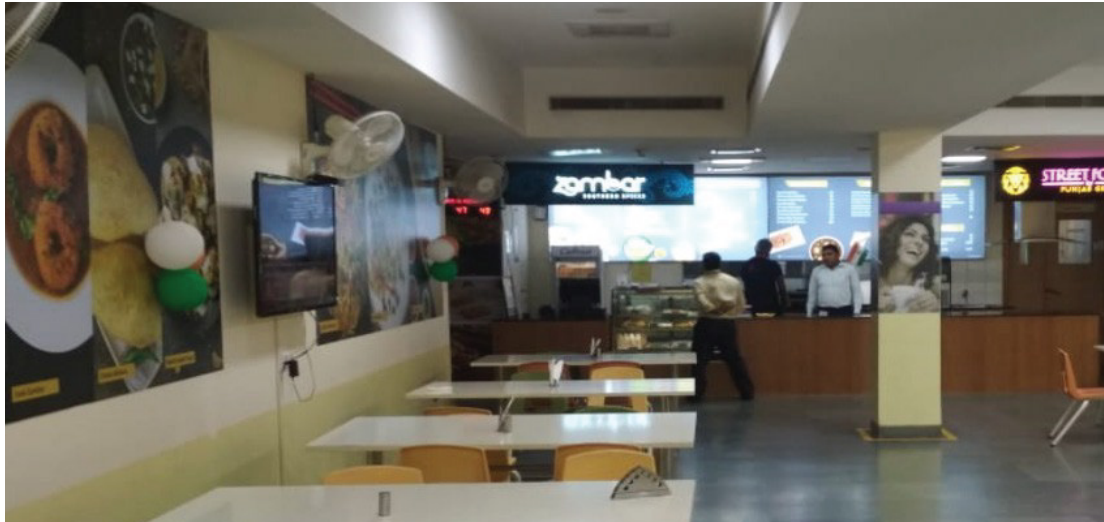


Mess-1



Mess-2

**Other Outlets:** There is a cafeteria named Delicious, which serves food from brands like Zambar & Street Food by Punjab Grill, Baker's Street, the Coffee shop, Falhaar-Juice Corner, and food stalls run by Lazeez Rolls, Servizone, Al Kareem Biryani. All these serve various cuisines & menus that cater to the need of students. There are two tuck-shops for daily needs items, including food items and milk etc.



**Cafeteria**

**Salon:** The University also has a salon on campus, which caters to both girls and boys.

**ATM:** There is a Bank ATM available in the reception area for all the stakeholders.

**Creche**



The creche is available in the faculty housing block with a lady caretaker for any faculty/staff for their children up to 6 yrs. on all working days.

**Guest House**

The University has a guest house on the campus for visitors to the campus.

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## Faculty Housing

The faculty/staff complex has 60 flats with a gym, tuck shop, laundry facilities available for use.



## Wellness Center



The Wellness Center is available for all in the campus. The Center provides:

- Life skills and coping strategies for adjustment.
- Personality orientation
- To attain positive goals that boost inter & intra-personal relations
- To promote atmosphere of well-being on campus.

Referral services are available for

- Specialized therapy sessions
- Yoga

- Meditation
- Alternate therapies
- Psychiatric intervention
- Creating awareness & sensitizing for
- Early detection, identification & management of problems.
- Collaborating with Round Glass (RG): a platform to achieve and sustain a state of positive mental fitness and wellbeing.

**Student Hangout Zone**



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## Library



The Library is housed in an independent air-conditioned building with well-furnished spacious reading room that creates an atmosphere of serenity and thereby inspires intellectual stimulation and research. It has a vast repository of both print and electronic resources that include books, print journals, magazines, project and/or annual reports, newspapers, articles and case studies, courseware and e-databases/e-journals (IEEE, EBSCO Business Source Premier, J- Gate, Bloomberg and Thomson & Reuters, Web of Science) that can be used as references by both students and faculty. The Library is also an institutional member of Developing Library Network (DELNET) and National Digital Library of India (NDLI) for sharing the resources among its member libraries. The Digital Library provides a conducive environment for intellectual inquiry by providing user-focused services to obtain and evaluate scholarly information and knowledge. It is connected to high speed internet and intranet network. All activities of the Library are computerized, including smart ID cards and On-line Public Access Catalogue (OPAC) to know the status of books at any time. The Library provides various specialized services to the users, i.e., CAS, SDI, News Alert, Reference, Digital Archiving and OPAC. The library operates from 8 am to 1:30 am.

### **National Digital Library of India (NDLI)**

NDLI is a project of the Ministry of Human Resource Development (MHRD) and is hosted by IIT Kharagpur. It is the part of the National Mission on Education through Information and Communication Technology (NMEICT). The objective of NDL is to help the users from all domains to find out the right resource with the least effort and in minimum time.

NDLI provides a single-window search facility. Information can be personalized based on the education level, choice of language, difficulty level, media of content and such other factors while other Digital libraries may not include all these choices.

It is open access, available in public domain. We have provided the link in e-resources list which we have shared with faculties and students.

Benefits:

- The library is beneficial to students of all levels, teachers, researchers, librarians, library users, professionals, differently abled users, and all other lifelong learners.
- NDLI hosts 60+ types of learning resources like books, thesis, article, audio lectures, video lectures, manuscripts, question papers, web courses, annual reports, solutions, data set, reports, technical reports, manual, album, monograph, technical manual, law judgements etc.
- Not only English and Hindi, but the National Digital Library of India also has resources in more than 70 languages.
- It is freely available.

LIBRARY FACILITIES	
Available Library Area	1393.55 m2
Seating capacity of the Library	297
Working Hour of the Library	8.00 AM – 1.30 AM (Monday to Saturday) 10.00 AM-6.00 PM (Sunday)
Library Networking Facility	Yes
Computers for Users	Yes
Library Management Software/Digital Library Software/Security System	KOHA, MAITRI, DSPACE & RFID

DETAIL OF THE LIBRARY COLLECTION

Name of the School	Total Number of Titles (Books)	Total Number of Volumes (Books)	Total Number of Print Journals			Back Volumes
			National Journals	International Journals	Total	
School of Engineering & Technology	1745	11806	15	9	24	-
School of Management	2353	4778	7	14	21	-
School of Economics & Commerce	1215	1867				
School of Law	591	1733	18	-	18	286
General Books	1243	1801	-	-	-	-

Total	7147	21985	40	23	63	571
Total No. of Magazines	28					
Total No. of CDs	828					
Total No. of Project Reports	474					
Total No. of National Dailies	19					
<b>LIBRARY E-RESOURCES</b>						
<b>SUBSCRIBED (S.No.1-12)</b>						
<b>S.No.</b>	<b>Database/E-Resources</b>		<b>URL/Links</b>			
1	IEEE (ASPP)		<a href="http://ieeexplore.ieee.org/Xplore/home.jsp">http://ieeexplore.ieee.org/Xplore/home.jsp</a>			
2	EBSCO Business Source Premier		<a href="https://search.ebscohost.com/login.asp">https://search.ebscohost.com/login.asp</a>			
3	Bloomberg		Terminal/ Setup Based			
4	Sage Online		<a href="http://journals.sagepub.com/">http://journals.sagepub.com/</a>			
5	Manupatra		<a href="https://www.manupatrafast.com/">https://www.manupatrafast.com/</a>			
6	Lexis Nexis India Online		<a href="https://advance.lexis.com/in?identityprofileid=5TTDF359373">https://advance.lexis.com/in?identityprofileid=5TTDF359373</a>			
7	AIR Online Institutional (4 connections)		<a href="http://www.airwebworld.com">http://www.airwebworld.com</a> (Login Password Based)			
8	Web of Science		<a href="http://www.webofknowledge.com">www.webofknowledge.com</a>			
<b>ANTI PLAGIARISM CHECKER</b>						
9	Turnitin		<a href="https://www.turnitin.com/login_page.asp?lang=en_us">https://www.turnitin.com/login_page.asp?lang=en_us</a> (Login Password Based)			
<b>INSTITUTIONAL MEMBERSHIP</b>						
10	DELNET (Developing Library Network)		<a href="http://www.delnet.in/">http://www.delnet.in/</a>			
11	Computer Society of India		<a href="http://csi-india.org/root.aspx">http://csi-india.org/root.aspx</a>			
12	IUCEE Consortium		<a href="http://iucee.org/iucee/iucee-consortium/">http://iucee.org/iucee/iucee-consortium/</a>			
13	National Digital Library of India		<a href="https://ndl.iitkgp.ac.in/">https://ndl.iitkgp.ac.in/</a>			
<b>OPEN ACCESS RESOURCES</b>						
14	World eBook Library (WEL)		<a href="http://community.worldlibrary.in/?AffiliateKey=NDL-YF1761">http://community.worldlibrary.in/?AffiliateKey=NDL-YF1761</a>			



15	South Asia Archive	<a href="http://www.southasiaarchive.com/">http://www.southasiaarchive.com/</a>
<b>COURSEWARE/MOOCs</b>		
16	NPTEL	<a href="https://nptel.ac.in/resources.php">https://nptel.ac.in/resources.php</a>
17	SWAYAM	<a href="https://swayam.gov.in/publiccourse">https://swayam.gov.in/publiccourse</a>
18	E-PATHSHALA	<a href="http://epgp.inflibnet.ac.in/">http://epgp.inflibnet.ac.in/</a>
19	SWAYAM PRABHA	<a href="https://www.swayamprabha.gov.in/">https://www.swayamprabha.gov.in/</a>
<b>INSTITUTIONAL REPOSITORY</b>		
20	Digital Resource Center	<a href="http://drc.bml.edu.in:8080/jspui/">http://drc.bml.edu.in:8080/jspui/</a>

#### LIBRARY E-RESOURCES

<b>SUBSCRIBED (S.No.1-7), Free (S.No.8-10)</b>		
S. No.	E-Resources	URL/Links
1	IEEE (ASPP)	<a href="http://ieeexplore.ieee.org/Xplore/home.jsp">http://ieeexplore.ieee.org/Xplore/home.jsp</a>
2	EBSCO Business Source Premier	<a href="https://search.ebscohost.com/login.asp">https://search.ebscohost.com/login.asp</a>
3	Manupatra	<a href="https://www.manupatrafast.com/">https://www.manupatrafast.com/</a>
4	Lexis Nexis India Online	<a href="https://advance.lexis.com/in?identityprofileid=5TTDF359373">https://advance.lexis.com/in?identityprofileid=5TTDF359373</a>
5	Web of Science	<a href="http://www.webofknowledge.com">www.webofknowledge.com</a>
6	DELNET (Developing Library Network)	<a href="http://www.delnet.in/">http://www.delnet.in/</a>
7	IUCEE Consortium	<a href="http://iucee.org/iucee/iucee-consortium/">http://iucee.org/iucee/iucee-consortium/</a>
8	National Digital Library of India	<a href="https://ndl.iitkgp.ac.in/">https://ndl.iitkgp.ac.in/</a>
9	Shodhganga-Thesis Reservoir	<a href="http://shodhganga.inflibnet.ac.in/">http://shodhganga.inflibnet.ac.in/</a>
10	E-Shodh Sindhu- Consortia for Higher Education E-Resources	<a href="https://ess.inflibnet.ac.in/index.php">https://ess.inflibnet.ac.in/index.php</a>
<b>OPEN ACCESS E-DATABASES/JOURNALS</b>		
11	World Bank: Open Knowledge Repository	<a href="https://openknowledge.worldbank.org/handle/10986/23705">https://openknowledge.worldbank.org/handle/10986/23705</a>
12	Open Access Library	<a href="http://www.oalib.com/">http://www.oalib.com/</a>
13	DLIST: UA Campus Repository	<a href="http://arizona.openrepository.com/arizona/handle/10150/105066">http://arizona.openrepository.com/arizona/handle/10150/105066</a>
14	Directory of Open Access Journals	<a href="https://doaj.org/">https://doaj.org/</a>
15	INTECH Open Access Journals	<a href="http://www.intechopen.com/journals">http://www.intechopen.com/journals</a>
16	Scientific Research an Academic Publisher	<a href="http://www.scirp.org/">http://www.scirp.org/</a>

17	NISCAIR	<a href="http://nopr.niscair.res.in/">http://nopr.niscair.res.in/</a>
18	Indian Institute of Science	<a href="http://journal.library.iisc.ernet.in/">http://journal.library.iisc.ernet.in/</a>
19	Wiley Online	<a href="http://onlinelibrary.wiley.com/">http://onlinelibrary.wiley.com/</a>
20	Elsevier	<a href="https://www.elsevier.com/about/open-science/open-access/open-access-journals">https://www.elsevier.com/about/open-science/open-access/open-access-journals</a>
21	Science Direct	<a href="http://www.sciencedirect.com/#open-access">http://www.sciencedirect.com/#open-access</a>
22	Springer Open	<a href="https://www.springeropen.com/journals">https://www.springeropen.com/journals</a>
23	JSTOR (Free Resource During Covid-19 up to June 2020)	<a href="https://about.jstor.org/covid19/">https://about.jstor.org/covid19/</a>
24	Taylor & Francis Open Access	<a href="https://www.tandfonline.com/openaccess">https://www.tandfonline.com/openaccess</a>
25	Cambridge University Press	<a href="https://www.tandfonline.com/openaccess">https://www.tandfonline.com/openaccess</a>
26	Oxford Open	<a href="https://academic.oup.com/journals/pages/open%20access">https://academic.oup.com/journals/pages/open%20access</a>
27	Legal Information Institute of India (LIofIndia)	<a href="http://liiofindia.org/">http://liiofindia.org/</a>
28	Open Access Journals of Law	<a href="https://openlegalinfo.weebly.com/e-journals-law.html">https://openlegalinfo.weebly.com/e-journals-law.html</a>
29	LibriVox - Audio Books	<a href="https://librivox.org/">https://librivox.org/</a>
30	Vidwan	<a href="https://vidwan.inflibnet.ac.in/">https://vidwan.inflibnet.ac.in/</a>
31	CEC-UGC YouTube Channel	<a href="https://www.youtube.com/user/cecedusat">https://www.youtube.com/user/cecedusat</a>
32	National Knowledge Network	<a href="http://nkn.gov.in/en/">http://nkn.gov.in/en/</a>
33	Open Knowledge Repository - World Bank	<a href="https://openknowledge.worldbank.org/">https://openknowledge.worldbank.org/</a>
34	Open Access to ACM Digital Library	<a href="https://www.acm.org/articles/bulletins/2020/march/dl-access-during-covid-19">https://www.acm.org/articles/bulletins/2020/march/dl-access-during-covid-19</a>
35	FOSSEE	<a href="https://fossee.in/">https://fossee.in/</a>
36	Spoken Tutorial	<a href="https://spoken-tutorial.org/">https://spoken-tutorial.org/</a>
37	E-Yantra	<a href="https://www.e-yantra.org/">https://www.e-yantra.org/</a>
38	British Council Free Online Short Courses	<a href="https://goldenjump.com/brotish-council-418-free-online-short-courses-with-certificates/">https://goldenjump.com/brotish-council-418-free-online-short-courses-with-certificates/</a>
39	Resource for grammar, TOEFL, etc.	<a href="http://esl.about.com/homework/esl/mbody.htm">http://esl.about.com/homework/esl/mbody.htm</a>
40	World eBook Library (WEL)	<a href="http://community.worldlibrary.in/?AffiliateKey=NDL-YF1761">http://community.worldlibrary.in/?AffiliateKey=NDL-YF1761</a>
41	South Asia Archive	<a href="http://www.southasiaarchive.com/">http://www.southasiaarchive.com/</a>

OPEN ACCESS BOOKS		
42	Free Online Books	<a href="http://www.pdfdrive.net">www.pdfdrive.net</a>
43	Directory of Open Access Books	<a href="http://www.doabooks.org/doab?uiLanguage=en">http://www.doabooks.org/doab?uiLanguage=en</a>
44	INTECH Open Access Books	<a href="http://www.intechopen.com/books">http://www.intechopen.com/books</a>
45	Project Gutenberg Free E-Books	<a href="http://www.gutenberg.org/">http://www.gutenberg.org/</a>
46	OAPEN (E-Books)	<a href="http://www.oapen.org/home">http://www.oapen.org/home</a>
47	Get Free Books	<a href="http://www.getfreebooks.com">www.getfreebooks.com</a>
COURSEWARE/MOOCs		
48	NPTEL	<a href="https://nptel.ac.in/resources.php">https://nptel.ac.in/resources.php</a>
49	SWAYAM	<a href="https://swayam.gov.in/publiccourse">https://swayam.gov.in/publiccourse</a>
50	E-PATHSHALA	<a href="http://epgp.inflibnet.ac.in/">http://epgp.inflibnet.ac.in/</a>

## 8 . RESEARCH, INNOVATIONS AND EXTENSION

The university faculty and staff are engaged in research, consultancy, innovation, and executive education programmes.

The details of the externally funded research and consultancy projects completed and ongoing during 2019-20 are given below:

S.No.	Title & scope of the project proposed	PI & Co - PI	Year	Total amount	Agency	Status (Ongoing/ completed)
1	Spectroscopic investigations on functionalized fullerene derivatives for prediction of efficient acceptors in Solar Cells”	Dr. Tabish Rasheed	2016-17	10.775 lakhs	DST Young Scientist Project	Completed
2	“Investigations of structure and properties of H bonded unsymmetrical n-type Organic semiconductors: towards efficient organic field effect transistors.”	Dr. Amarnath Bheemaraju	2015	20.60 lakhs	DST Young Scientist Project	Completed
3	“Development of Thermal Diffusion Barrier coatings for cam chain Pins”	CAMD	2017	17.5 lakhs	Rockman Industries, Ludhiana	Ongoing
4	Improving the Effectiveness of Jan Aushdhi Stores	Prof. B.S. Satyanarayana, Vishal Talwar, Dr. Ritu Chikara, Dr. Ruchi Garg	2018	25 lakhs	NITI AAYOG	Completed
5	Design and Installation of Solar Panels	Prof B. S. Satyanarayana	2018	5 lakhs	Indian Electronics and Semiconductor Association & DIETY, Govt of India	Completed
6	“Royal Academy of Engineering, UK, Project for developing a course on Thin Films, Surface Engineering and Vacuum Technology for Higher Education Partnership”	Prof. B.S. Satyanarayana, Prof. O. S Panwar, Dr A. S. Rana	2016	45 lakhs	Royal Academy of Engineering, UK	Completed

7	“Conforming Least-Squares spectral element methods for three dimensional elliptic problems on non-smooth domains using parallel computers”	Dr. Akhlaq Husain	2013	13.62 lakhs	DST Young Scientist Project	Completed
8	“Mathematical Modelling of Stationary Heat Diffusion in Heterogeneous Materials”	Dr. Akhlaq Husain	2020	6.6 lakhs	SERB	Ongoing

### RESEARCH PROJECT PROPOSAL SUBMITTED

The details of these research projects are as under

S.No.	Title & scope of the project proposed	PI & Co - PI	Year	Total amount	Agency
1	“Rational Engineering of Lipase Stability for Efficient Biodiesel Production”	Dr. Bipin Singh	2019	17.79 lakhs	SERB-SRG
2	“Experimental and computational (PANS, LES and DNS) investigation of using very slender shear-free surfaces of different sizes and materials for the purpose of achieving drag reduction in pipe/channel flows”	Dr. Ajay Kumar Sood	2019	10.23 lakhs	SERB-SRG
3	“Nanoscale control and probing of metal-oxides and their interfaces for flexible and wearable sensors”	Dr. Abhimanyu Singh Rana	2019	32 lakhs	SERB-SRG
4	Online wireless charging system for electric vehicles	Dr. Rajiv Dey	2019	13 lakhs	SERB-SRG
5	Production of biofuel using anaerobic digester at low temperature: turning different organic waste materials into renewable energy	Dr. Meenakshi Agarwal	2019	13.5 lakhs	SERB-SRG
6	Investigations of Ion Motion in Polymer Electrolytes for Battery Applications	Dr. Arijit Maitra	2019	25 lakhs	SERB-SRG

7	"Light driven hydrogen production from the water by a heterogeneous photocatalytic system"	Dr. Sanmitra Barman & Dr. Amiya Das	2019	20 lakhs	Haryana-DST
8	"Remote Health Monitoring of a Manufacturing Machine using IoT for Industry 4.0"	Dr. Surya Prakash & Dr. Anubhav Agarwal	2019	5 lakhs	Haryana-DST
9	"Heterostructures and Interfaces of low-dimensional functional oxides for transparent and flexible electronics"	Dr. Abhimanyu Singh Rana	2019	15 lakhs	Haryana-DST
10	"Interplay of Apparel value chain and trade facilitation in Indian Apparel sector"	Dr. Anushree Paul	2019	25.50 lakhs	ICSSR
11	Real-time Implementation for removal of Impulse Noise from digital image: On camera Application.	Dr. Rajiv Dey	2019	49.50 lakhs	SERB (CRG)
12	Study of a low Temperature grown nanocluster carbon field emitters and their Patterned Arrays using Nanosphere Lithography for Vacuum Nanoelectronics Applications.	Dr. Nirupma	2020	52.38 lakhs	DST
13	DST-INSPIRE (Innovation in science pursuit for inspired research internship camp for XI pursuing science students. (Ref: DST/INSPIRE/01/2020/000021).	Dr. Shridhar Babu	2020	9.75 lakhs	DST
14	Development of Forced Convection Twin Roll Casting Technology (FC-TRC) for high-quality wrought Al-alloy	Dr. A.K Prasad Rao	2020	37.95 lakhs	SERB-DST
15	Mathematical modelling of the COVID-19 spread using SEIR model	Dr. Akhlaq Husain	2020	5 lakhs	SERB
16	Development of Next Generation of Metallization Technology for Solar Cell Manufacturing	Dr. Sushil Chandra	2019	500 lakhs	Department of Science & Technology
17	Development of Silver Nanoparticle-Viral Attachment Ligand Coated Personal Protective Equipment to Fight Against COVID-19 Viruses	Dr. Sanmitra Barman & Dr. Bipin Singh	2020	7.50 lakhs	SERB-Special call on COVID-19

18	Safe usable water at affordable cost: efficient, human friendly and affordable solution to re-mediate textile dye contaminated water via photo-catalysis using processed nanoparticles	Dr. Suchitra Chauhan	2020	4.45 lakhs	SERB
19	Innovative hand sanitizer technologies (handrub)	Dr. Amarnath & Dr. Sanmitra	2020	5 lakhs	CII Covid 19 Industry Support - Supported by The Office of the PSA
20	Innovative Covid technologies (head cover, cover all, shoe covers)	Dr. Amarnath	2020	1 lakhs	CII Covid 19 Industry Support - Supported by The Office of the PSA
21	Innovative Covid technologies (nanocoated face mask and latex gloves)	Dr. Sanmitra	2020	3 lakhs	CII Covid 19 Industry Support - Supported by The Office of the PSA
22	"Design of peptide inhibitors against sars-cov-2 spike protein and human ace2 interaction"	Dr, Bipin Singh & Dr. Sanmitra Barman	2020	24.97 lakhs	CRG Short-term special call on COVID-19
23	Automated emergency drone system (aeds) for covid-19 patient's symptoms collection and management	Dr. Amiya Das	2020	24.12 lakhs	CRG Short-term special call on COVID-19
24	Innovative disinfectant technologies ( automatic sanitization unit)	Dr. Amiya Das	2020	NA	CII Covid 19 Industry Support - Supported by The Office of the PSA
25	Innovative disinfectant technologies (car sanitization unit)	Dr. Amiya Das	2020	NA	CII Covid 19 Industry Support - Supported by The Office of the PSA
26	Innovative disinfectant technologies (workspace sanitization unit)	Dr. Amiya Das	2020	NA	CII Covid 19 Industry Support - Supported by The Office of the PSA

27	Development of a novel thermal management solution to stabilize and enhance the power of triboelectric nanogenerators	Dr. Brijesh Kumar & Dr. Abhimanyu Singh Rana	2020	100 lakhs	DST
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### SEED GRANTS - 2019

The University has a provision to sanction seed money to encourage research activities at BMU. The details of the seed money sanctioned/allocated to faculty members are given in the table as under.

S.No.	Principal Investigator	Co-PI (s)	Project name	Total Amount
1	Dr. N. Ch. Kaushik	Dr. Bipin Singh & Dr. Yarramaneni Sridharbabu	Assessment of mechanical and structural properties of high-performance polymer blends for automotive, structural and transmission applications	2.5 lakhs
2	Ms. Jyoti Pruthi		Stress Detection and Monitoring based on Electrodermal Activity	7 lakhs
3	Dr. Abhimanyu Singh Rana	Dr. Amiya Dash	Low Dimensional Functional Materials for Energy Storage Applications	5 lakhs
4	Dr. Arijit Maitra	Dr. A. K. Prasada Rao	Molecular Dynamics Simulation of Heterogeneous Crystal Nucleation	1 lakhs
5	Mr. Atul Mishra		ISOE - An Intelligent System for Online Evaluation	2 lakhs
6	Dr. Surya Prakash & Dr. Anubhav Agrawal		Health Assessment of Surface Grinding Machine for Industry 4.0 Applications	1.5 lakhs
7	Dr. Rik Paul	Dr. Vishal Talwar	Retail Rivalry: Developing a Hybrid Game of Retail Store Site Selection	2 lakhs



## CONSULTANCY PROJECTS COMPLETED /ONGOING

S.No.	Title & scope of the project proposed	PI & Co - PI	Start Year	Agency	Funding Amount	Status
1	Enhancing Customer Value Perception of Public hospitals by eliciting Multi -Sensory Experiences: A Study of Bangladesh and India	Dr. Riasat (NSU faculty)/ Dr. Ritu Chikara, Dr. Ruchi Garg,	2019	NSU (North South University) Dhaka, Bangladesh	4.38 lakhs	On-Going
2	Enhancing the effectiveness of Pradhan Mantri Jan Aushadhi Yojana of Government of India	Dr. Ritu Chikara, Dr. Ruchi Garg	2018	NITI Aayog	25 lakhs	Completed
3	Study of Effect of Pouring Effect on the Porosity in the HPDC cast Al-Si Alloy Motor Housing.	Dr. A K Prasada Rao	2017	Rockman Industries, Bawal	3 lakhs	Completed
4	Reduction of Casting Defects Alloy wheels	Dr. A K Prasada Rao	2019	Rockman Industries, Haridwar	3.12 lakhs	Completed
5	Design and Installation of Solar Panels	Dr. A K Prasada Rao	2020	M/S Everest Aluminium Pvt. Ltd.	9 lakhs	On-Going
6	To provide the technical advisory in building an aluminium recycling plant at Ahmedabad.	Dr. A K Prasada Rao	2020	M/s Maruti Recycling Ltd., Ahmedabad	10 lakhs	On-Going
7	Product modelling and designing, cabinet designing with thermal cooling for IMPRINT Project	Dr. Amiya Das (PI) Dr. Ranbir Singh (Co-PI)	2020	National Institute of Technology, Rourkela - 769008, Odisha, India	5 lakhs	On-Going
8	“Initiative for Digital Intervention in Teaching, Learning & Assessment Processes”	Dr Ritu Chikara and Dr. Ruchi Garg	2020	CRSU, Haryana	0.50 lakhs	On-Going

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## Intellectual Property Right (IPR) Cell

BMU promotes research and innovation, for which an excellent infrastructure has been laid, and an IPR Cell has been constituted. Further, to leverage its infrastructure and other ecosystems to encourage its quest towards research and innovation, the university has provided a mechanism to ease research and innovation to its students, faculties, and researchers by having Industry IP attorneys to facilitate activities (such as filing of patents, etc.) at IPR Cell.

Intellectual Property Rights (IPRs) are essentially legal rights that protect creations and/or inventions resulting from intellectual activity emanating from the university. The university houses several copyrighted software solely for student use. Software or datasets licensed to the university are solely for teaching and personal, educational development. The use of software/datasets for commercial purposes or sharing with unauthorised persons is a disciplinary offense. The IPR policy of the university guides academic and non-academic staff, students (undergraduate, postgraduate and doctorate), and outside sponsors on the practices and rules of the university" regarding intellectual property rights and obligations thereunder which includes the nature of the intellectual property, its ownership, exploitation, technology transfer, and confidentiality requirements.

### IPR Cell Activities: Patents/Design Registration Filled During: 2019-20

S.No.	Title of Invention	Inventor (s)	Programme
1	System and method for authorization of sensor nodes in wireless sensor networks	Sunil Gupta	Computer Science and Engineering
2	Method for enhancing data availability in vanet	Brij Bihari Dubey	Computer Science and Engineering
3	Liquid generating system and its method thereof	Amarnath Bheemaraju	Chemistry
4	Intelligent healthcare security method	Sunil Gupta, Goldie Gabrani	Computer Science and Engineering
5	System and method for predicting usage of drugs	Purnendu Shekhar Pandey	Computer Science and Engineering
6	Method for securely exchanging data in cloud environment	Pradeep Kumar Arya	Computer Science and Engineering
7	Automated system and method for controlling electrical appliances	Purnendu Shekhar Pandey	Computer Science and Engineering
8	System for reducing data duplication	Tamanna Sehgal, Pagidi Aruneswara Reddy , Annam Setu Durgesh Vinay	Computer Science and Engineering
9	Surface inspection system and a method thereof	Abhimanyu Singh Rana, Purnendu Pandey, Muskan, Teena Khandelwal, Manisha Khandelwal,	Computer Science and Engineering

10	Data retrieval system and its method thereof	Sudip Sanyal, Wudaru Vishal Reddy, Nikhil Koditala, Kondragunta Venumadhav	Computer Science and Engineering
11	Handwriting recognition system and its method thereof	Atul Mishra, Yash Khandelwal	Computer Science and Engineering
12	Surveillance system and method for the same	Arpit Bindal, Akshay Garg, Brij Bihari Dubey	Computer Science and Engineering
13	Product information retrieval system and a method thereof	Sparsh Arora, Abhinav Chopra, Dr. Ratna Sanyal	Computer Science and Engineering
14	Data retrieving system	Dr. Satyendr Singh	Computer Science and Engineering
15	Health monitoring system	Dr. Shuvabrata Bandyopadhyaya, Dr. Rajiv Dey, Prameela Kukkapalli, Meda Venkat Prashanth	Computer Science and Engineering
16	Convertible solar powered vehicular apparatus	Amarnath Bheemaraju	Chemistry
17	Advertisement hoarding management system	Amarnath Bheemaraju	Chemistry
18	Automatic hybrid power generation system	Ande Varun, Dasari Pawan Akhil	Electronics and Communication Engineering, Computer Science and Engineering
19	System and method for pothole detection	Goldie Gabrani, Nishtha Arora, G. Nitesh Krishna Mohan, G. Phaneendra, Satya Nishanth, G. Yashwanth, Hitesh Sree Vamsi, Yalamanchili Manoj	Computer Science and Engineering
20	Liquid flow control system and method thereof	Goldie Gabrani, Nishtha Arora, Parag Singh, Shobhit Mangla, Nishchay Wadhera, Shoaib Khan, Karan Setia, Munish Dahiya, Vamsidhar Reddy	Computer Science and Engineering
21	Intrusion detection system	Dr. Goldie Gabrani, Nishtha Arora, N. L. Aditya Patel, Harsimrat Singh Kohli, Dipansh Giridhar	Computer Science and Engineering

22	Authentication system and method for communication networks	Rajesh Yadav	Computer Science and Engineering
23	Voice controlled system for robots	Rajiv Dey, Dhruv Aditya Mittal	Electronics and Communication and Computer Science and Engineering
24	Cricket monitoring system	Ande Varun, Pericharla Bharath Varma	Electronics and Communication
25	Illumination system	Computer Science and Engineering	Computer Science and Engineering
26	Hearing aid device	Dr. Goldie Gabrani, Kush Rawal, Perna Goyal Sneha Mishra, Tushita Ghai	Computer Science and Engineering
27	Object recognition system and method thereof	Goldie Gabrani, Nishtha Arora, Tarun Sai Vuppala, Malneni Asish Sasidhar, Ashish Kottakota, K S K Manikanta, Suryesh M	Computer Science and Engineering
28	System and method for rating public places	Goldie Gabrani, Kapeta Harsha Vardhan Reddy Sai Sandeep Ponnaganti Bhanu Krishna Motamarri Bodla Sai Preetam	Computer Science and Engineering
29	Irrigation system and its method thereof	Dr. Goldie Gabrani, Surya Pratap Singh, Puran Singh Ranbir Singh, Gaurav Saboo	Computer Science and Engineering
30	Method for recommending musical media	Tushita Ghai, Perna Goyal, Kush Rawal, Sneha Mishra, Sukrit Shringi, Nishtha Arora	Computer Science and Engineering
31	Compact power generation device	M Bhanu Krishna	Computer Science and Engineering
32	Image based door locking and unlocking system and a method for the same	Goldie Gabrani, Nishtha Arora, Akash Garg, Ridham Phutela, Ritish Khanna	Computer Science and Engineering
33	Water body purification system	Pericharla Bharath Varma	Electronics and Communication Engineering

34	Aeration system for helmets	Pankaj Sahu Rajiv Dey	Electronics and Communication Engineering
35	Electricity generating head protection device	Pankaj Sahu Rajiv Dey	Electronics and Communication Engineering
36	Air direction controlling device	Pankaj Sahu Rajiv Dey	Electronics and Communication Engineering
37	Gesture based input device	Dr, Goldie Gabrani, Lovish Wadhwa	Computer Science and Engineering
38	Vibrational energy harvesting system	Rajiv Dey	Electronics and Communication Engineering
39	Fan direction controlling system	Rajiv Dey	Electronics and Communication Engineering
40	Air flow direction control system	Rajiv Dey	Electronics and Communication Engineering
41	Content Display System Based on Crowd's Interest	Karan Bhatia Kavya Saxena Raghav Sharma	Computer Science and Engineering
42	Smart Waste Management System	Dr. Goldie Gabrani, Abhishek Isireddy	Computer Science and Engineering
43	Anti-Vibrational Utility Supporting Apparatus	Amarnath Bheemaraju, Sridharbabu Yarramaneni	Chemistry, Physics
44	Intelligent Elevator System	Saksham Gupta, Swarnim Neema, Pankaj Sahu, Dr. Rajiv Dey	Electronics and Communication Engineering
45	Automated Elevator System	Saksham Gupta, Swarnim Neema, Pankaj Sahu, Dr. Rajiv Dey,	Electronics and Com- munication Engineering
46	Vehicle Exhaust Filtering Device	Amarnath Bheemaraju Meenakshi Agarwal Kishan Pal Singh Jagdish Prasad Saini	Chemistry, Electronics and Mechanical
47	Fault Protection Device for Electric Irons	Dammala Aakash , Shetty, Rajiv Dey	Mechanical & Elec- tronics and Communi- cation Engineering

48	Automatic Electric Iron Power Switching Device	Dammala Aakash Shetty, Rajiv Dey	Mechanical & Electronics and Communication Engineering
49	Plant Growing Apparatus and A Method for Manufacturing Thereof	Amarnath Bheemaraju, Harish Puppala, Meenakshi Agarwal	Chemistry, Civil, Electronics and Communication
50	Vegetables and Fruits Cleaning Device	Amarnath Bheemaraju, Rajiv Dey	Chemistry, Electronics and Communication
51	Method for Classifying Satellite Images	Devanjali, Relan, Vaibhav Airan, Karan Takhtani, Gaurav Gupta, Divy Bansal	Computer Science and Engineering
52	Movable Surveillance System	Amarnath Bheemaraju,	Chemistry

### Workshop & IPR Related Session

During 2019-20, a number of workshops on IPR awareness for BMU students and faculty members were conducted. The details of the sessions are summarized here.

- Workshop on “Going Forward Research and IPR at BMU” by EnnobleIP.
- “Global Patenting Process - A Case Study" By Prof. Mohit Sinha, BMU.
- Webinar on the topic Patent Protection Strategies in India and other Countries like Singapore by Raneer Xavier & Tarun Khurana.
- Webinar on “Best Practices for IP/ Patent Portfolio Management by Academic Institutions” by Arindam Khurana.
- Webinar on “Hack for Successful Teacherepreneur Billionaires”, by Prof. Nitin Saluja, Chitkara University.

### Peer Reviewed Publications

S.No.	Authors	Title	Year	Source title	Volume	Page No.
1	Bogle K.A., Cheng X., Rana A.S., Valanoor N.	Bi-Doped Single-Crystalline (001) Epitaxial TiO <sub>2</sub> Anatase Nanostructures for Resistive Random-Access Memory Applications	2020	ACS Applied Nano Materials	3	1706-1712
2	Chakraborty S., Shaikh S.H., Chakrabarti A., Ghosh R.	A hybrid quantum feature selection algorithm using a quantum inspired graph theoretic approach	2020	Applied Intelligence	50	1775-1793

3	Sinha P., Kumar S., Prakash S.	Measuring and mitigating the effects of cost disturbance propagation in multi-echelon apparel supply chains	2020	European Journal of Operational Research	282	148-160
4	Yousuf B., Shukla A., Arora M.K., Bindal A., Jasrotia A.S.	On Drivers of Subpixel Classification Accuracy-An Example from Glacier Facies	2020	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	13	601-608
5	Chauhan S.R.	Thermally activated flux flow characteristics: MgB2 tapes	2020	IEEE Transactions on Applied Superconductivity	30	8000405 /1-5
6	Panda T.K., Kumar A., Jakhar S., Luthra S., Garza-Reyes J.A., Kazancoğlu I., Nayak S.S.	Social and environmental sustainability model on consumers' altruism, green purchase intention, green brand loyalty and evangelism	2020	Journal of Cleaner Production	243	118575 /1-11
7	Tandon H., Ranjan P., Chakraborty T., Suhag V.	Computation of absolute radii of 103 elements of the periodic table in terms of nucleophilicity index	2020	Journal of Mathematical Chemistry	58	1025-1040
8	Soni G., Prakash S., Kumar H., Singh S.P., Jain V., Dhami S.S.	An interpretive structural modeling of drivers and barriers of sustainable supply chain management: A case of stone industry	2020	Management of Environmental Quality: An International Journal	31	1071-1090
9	Dixit S., Singhal V., Agarwal A., Prasada Rao A.K.	Multi-label phase-prediction in high-entropy-alloys using Artificial-Neural-Network	2020	Materials Letters	268	1-3
10	Tandon H., Ranjan P., Chakraborty T., Suhag V.	Polarizability: a promising descriptor to study chemical-biological interactions	2020	Molecular Diversity	2020	1-14

11	Sharma S., Singh K., Kumar S., Rana A., Bhatt K., Dwivedi Y., Gupta M., Tripathi C.C.	Optical and electrical investigations of rubbing assisted few-layer graphene thin film for feasibility of flexible electrode	2020	Optik	203	163989/ 1-10
12	Acharya D., Goel S., Astha- na R., Bhard- waj A.	A novel fitness func- tion in genetic programming to handle unbalanced emotion recognition data	2020	Pattern Recogni- tion Letters	133	272-279
13	Rana A., Li C., Koster G., Hilgenkamp H.	Resistive switching studies in VO <sub>2</sub> thin films	2020	Scientific Reports	10	3293/1- 6
14	Roy S., Parsi P.K., Kotha R.S., Barman S., Vinayak K., Roy M.M., Banerjee R.	Effective utilisation of waste cooking oil in a single-cylinder diesel engine using alumina nanoparticles	2020	Sustainable Energy and Fuels	4	571-581
15	Wudaru V., Koditala N., Reddy A., Mamidi R.	Question Answering on Structured Data using NLIDB Approach	2019	5th International Conference on Advanced Com- puting and Com- munication Systems, ICACCS 2019	ICACC S'201	1-4
16	Srivastava J., Sanyal S., Srivastava A.K.	An automatic and a machine-assisted method to clean Bilin- gual corpus	2019	ACM Transac- tions on Asian and Low-Re- source Language Information Processing	19	1-19
17	Hitkul, Aggar- wal K., Yadav N., Dwivedy M.	A comparative study of machine learning algorithms for prior prediction of UFC fights	2019	Advances in Intelligent Systems and Computing	741	67-76
18	Suhag A.K.	Reduction of test data volume using DTESFF-based partial enhanced scan method	2019	Advances in Intelligent Systems and Computing	741	521-526



11	Sharma K., Agrawal A., Bandopadhaya S.	Fuzzy logic controlled variable frequency drives	2019	Advances in Intelligent Systems and Computing	741	1153-1164
20	Shukla O.J., Soni G., Kumar R., Sujil A., Prakash S.	An agent-based simulation modeling approach for dynamic job-shop manufacturing system	2019	Advances in Intelligent Systems and Computing	741	751-760
21	Chakraborty A., Roy S., Banerjee R.	Performance emission characterization of a LPG-diesel dual fuel operation: A gene expression programming approach	2019	Advances in Intelligent Systems and Computing	741	405-414
22	Rakhee, Srinivas M.B.	Energy efficiency in load balancing of nodes using soft computing approach in WBAN	2019	Advances in Intelligent Systems and Computing	741	423-430
23	Yadav N., Yadav A., Bansal J.C., Deep K., Kim J.H.	Harmony Search and Nature Inspired Optimization Algorithms	2019	Advances in Intelligent Systems and Computing	741	Book
24	Veluchamy A., Ballerini L., Vitart V., Schraut K.E., Kirin M., Campbell H., Joshi P.K., Relan D., Harris S., Brown E., Vaidya S.S., Dhillon B., Zhou K., Pearson E.R., Hayward C., Polasek O., Deary I.J., Macgillivray T., Wilson J.F., Trucco E., Palmer C.N.A., Doney A.S.F.	Novel Genetic Locus Influencing Retinal Venular Tortuosity Is Also Associated with Risk of Coronary Artery Disease	2019	Arteriosclerosis, Thrombosis, and Vascular Biology	39	2542-2552

25	Das Dawn D., Shaikh S.H., Pal R.K.	A comprehensive review of Bengali word sense disambiguation	2019	Artificial Intelligence Review	53	4183-4213
26	Bhatia S., Choudhary S., Dugar A., Mazumdar S.	Stock pledging and earnings management: an empirical analysis	2019	Asian Review of Accounting	27	350
27	Barman S., Levy C.J.	Asymmetric sulfoxidation by C1-symmetric V(IV)O(ONO) (S)-NO-BIN Schiff-base vanadyl complexes	2019	Canadian Journal of Chemistry	97	637
28	Gali M.S.K., Garg N., Vasamsetti S.	Dilated U-Net based segmentation of organs at risk in thoracic CT images	2019	CEUR Workshop Proceedings	2349	N/A
29	Raghav A., Kumar Chini M., Bheemara-ju A., Paul R., Satapathi S.	Morphological and photophysical study in hybrid ternary organic nanoparticles blends	2019	Chemical Physics	525	110388 /1-6
30	Goswami T., Reddy K.M., Bheemaraju A.	Silver Nanocluster Anchored TiO <sub>2</sub> /Nb <sub>2</sub> O <sub>5</sub> Hybrid Nanocomposite as Highly Efficient and Selective Visible-Light Sensitive Photocatalyst	2019	Chemistry Select	4	6790-6799
31	Makkena G., Srinivas M.B.	Levin's Transformation-based Continuous-Time Linear-Phase Selective Filters	2019	Circuits, Systems, and Signal Processing	38	4905-4920
32	Lakhotiya G., Belsare N., Rana A., Gupta V.	Cu <sub>2</sub> S nanocrystals incorporated highly efficient non-fullerene ternary organic solar cells	2019	Current Applied Physics	19	394-399

33	Kakati D., Roy S., Banerjee R.	Development of an artificial neural network based virtual sensing platform for the simultaneous prediction of emission-performance-stability parameters of a diesel engine operating in dual fuel mode with port injected methanol	2019	Energy Conversion and Management	184	488-509
34	Choudhary M., Sharma A., Dwivedi M., Patnaik A.	A Comparative Study of the Physical, Mechanical and Thermo-mechanical Behavior of GFRP Composite Based on Fabrication Techniques	2019	Fibers and Polymers	20	823-831
35	Bisht A., Chockalingam S., Panwar O.S.	Wettability property of CNT-graphene like film deposited by microwave plasma enhanced vapor deposition technique	2019	Fullerenes Nanotubes and Carbon Nanostructures	27	486-491
36	Roy S., Sen C., Sanyal R.	An Empirical Inquiry into Per Capita Convergence of Indian States	2019	Global Journal of Emerging Market Economies	11	232-247
37	Mandal A.K., Cortesi A., Sarkar A., Chaki N.	Things as a service: Service model for IoT	2019	IEEE International Conference on Industrial Informatics (INDIN)	2019-July	1364-1369
38	Momin A., Sanyal S.	Analysis of Electrodermal Activity Signal Collected during Visual Attention Oriented Tasks	2019	IEEE Access	7	88186-88195
39	Garg R., Mukherjee J., Biswas S.	Consumer-based determinants of brand love and its consequences: A quantitative research	2019	International Journal of Business and Emerging Markets	11	122-143

40	Sai Avinash G., Arora J.	Financial impediments to road infrastructure development in India	2019	International Journal of Innovative Technology and Exploring Engineering	8	405-415
41	Kumar A., Zavadskas E.K., Mangla S.K., Agrawal V., Sharma K., Gupta D.	When risks need attention: adoption of green supply chain initiatives in the pharmaceutical industry	2019	International Journal of Production Research	57	3554-3576
42	Chakraborty S., Shaikh S.H., Mandal S.B., Ghosh R., Chakrabarti A.	A study and analysis of a discrete quantum walk-based hybrid clustering approach using d-regular bipartite graph and 1D lattice	2019	International Journal of Quantum Information	17	1950016 /1-27
43	Kishore M.K., Kumar A., Kaushik N.Ch.	Effect of tool/material interface temperature on flow stress and the Zener-Holloman parameter in Al 6082 friction stir butt welds	2019	IOP Conference Series: Materials Science and Engineering	474	12012/1-8
44	Agarwal A., Prasada Rao A.K.	Artificial Intelligence Predicts Body-Centered-Cubic and Face-Centered-Cubic Phases in High-Entropy Alloys	2019	JOM (The Journal of The Minerals, Metals & Materials Society)	71	3424-3432
45	Ahuja J., Panda T.K., Luthra S., Kumar A., Choudhary S., Garza-Reyes J.A.	Do human critical success factors matter in adoption of sustainable manufacturing practices? An influential mapping analysis of multi-company perspective	2019	Journal of Cleaner Production	239	117981/1-16
46	Sayyaadi H., Sadollah A., Yadav A., Yadav N.	Stability and iterative convergence of water cycle algorithm for computationally expensive and combinatorial Internet shopping optimisation problems	2019	Journal of Experimental and Theoretical Artificial Intelligence	31	701-721

47	Yadav M., Choudhary S., Jain S.	Transformational leadership and knowledge sharing behavior in freelancers: A moderated mediation model with employee engagement and social support	2019	Journal of Global Operations and Strategic Sourcing	12	202-224
48	Srivastava J., Sanyal S., Srivastava A.K.	Extraction of reordering rules for statistical machine translation	2019	Journal of Intelligent and Fuzzy Systems	36	4809-4819
48	Wei Loon L., Sreekar Reddy S., A.K. P.Rao	CFD simulation of direct chill casting process of magnesium alloy billets	2019	Journal of Manufacturing Processes	45	447-454
50	Tandon H., Chakraborty T., Suhag V.	A new scale of atomic static dipole polarizability invoking other periodic descriptors	2019	Journal of Mathematical Chemistry	57	2142-2153
51	Tandon H., Chakraborty T., Suhag V.	A model of atomic compressibility and its application in QSAR domain for toxicological property prediction	2019	Journal of Molecular Modeling	25	1-14
52	Prakash G., Choudhary S., Kumar A., Garza-Reyes J.A., Khan S.A.R., Panda T.K.	Do altruistic and egoistic values influence consumers' attitudes and purchase intentions towards eco-friendly packaged products? An empirical investigation	2019	Journal of Retailing and Consumer Services	50	163-169
53	Ahmed S.E., Srinivas M.B.	An Improved Logarithmic Multiplier for Media Processing	2019	Journal of Signal Processing Systems	91	561-574
54	Tandon H., Chakraborty T., Suhag V.	Developing photosensitizer-cobaloxime hybrids for solar-driven h <sub>2</sub> production in aqueous aerobic conditions	2019	Journal of Visualized Experiments	2019	1-11

55	Nagpal A., Gabrani G.	Strategizing Game Playing Using Evolu- tionary Approach	2019	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	11508 LNAI/L- NCS	481-492
56	Das A., Upad- hya P., Sanyal S.	Optimality of feature selection after dimen- sionality reduction (latent semantic analy- sis)	2019	Lecture Notes in Networks and Systems	32	271-279
57	Puri T., Challa R.K., Sehgal N.K.	Energy-Efficient Delay-Aware Preemp- tive Variable-Length Time Slot Allocation Scheme for WBASN (eDPVT)	2019	Lecture Notes in Networks and Systems	46	183-194
58	Kargeti A., Sharma G., Rasheed T.	Exploration of Superacidic Properties of HMnFn (n = 1-6) Using Density Func- tional Theory	2019	Macromolecular Symposia	388	1-6
59	Payla A., Chopra K., Mussada E.K.	Investigations on power consumption in WEDM of EN31 steel for sustainable produc- tion	2019	Materials and Manufacturing Processes	34	1855-18 65
60	Choudhary M., Singh T., Sharma A., Dwivedi M., Patnaik A.	Evaluation of some mechanical characteriza- tion and optimization of waste marble dust filled glass fiber reinforced polymer composite	2019	Materials Research Express	6	1-24
61	Pramod S.L., Ravikiran, Prasada Rao A.K., Murty B.S., Bakshi	Microstructure and mechanical properties of as-cast and T6 treat- ed Sc modified A356-5TiB2 in-situ composite	2019	Materials Science and Engineering A	739	383-394
62	Roy A., Laskar R.H.	Fuzzy SVM based fuzzy adaptive filter for denoising impulse noise from color images	2019	Multimedia Tools and Applications	78	1785-18 04

63	Mir A.Q., Dolui D., Khandelwal S., Bhatt H., Kumari B., Barman S., Kanvah S., Dutta A.	Developing photosensitizer-cobaloxime hybrids for solar-driven h <sub>2</sub> production in aqueous aerobic conditions	2019	Journal of Visualized Experiments	2019	1-11
64	Kumar A., Kabra G., Mussada E.K., Dash M.K., Rana P.S.	Combined artificial bee colony algorithm and machine learning techniques for prediction of online consumer repurchase intention	2019	Neural Computing and Applications	32	877-890
65	Vats P., Soni G., Rathore A.P.S., Yadav S.P.	A demand aggregation approach for inventory control in two echelon supply chain under uncertainty	2019	OPSEARCH	56	840-868
66	Choudhary M., Singh T., Dwivedi M., Patnaik A.	Waste marble dust-filled glass fiber-reinforced polymer composite Part I: Physical, thermomechanical, and erosive wear properties	2019	Polymer Composites	40	4113-4124
67	Dwivedy M., Kalluri V.	The effect of process parameters on forming forces in single point incremental forming	2019	Procedia Manufacturing	29	120-128
68	Choudhary M., Singh T., Sharma A., Dwivedi M., Patnaik A.	Evaluation of some mechanical characterization and optimization of waste marble dust filled glass fiber reinforced polymer composite	2019	Materials Research Express	6	1-24
69	Pasricha S., Srinivas M.B.	Message from general chairs	2019	Proceedings - 2018 IEEE 4th International Symposium on Smart Electronic Systems, iSES 2018	2018	XIII

70	Nagpal A., Gabrani G.	Python for Data Analytics, Scientific and Technical Applications	2019	Proceedings - 2019 Amity International Conference on Artificial Intelligence, AICAI 2019	AIC-AI'2019	140-145
71	Shandilya S., Arora J., Vinayak K.	Red bin analysis - The art of problem solving in manufacturing industry	2019	Proceedings of the International Conference on Industrial Engineering and Operations Management	2019	N/A
72	Singhal S., Choudhary S., Biswal P.C.	Return and volatility linkages among International crude oil price, gold price, exchange rate and stock markets: Evidence from Mexico	2019	Resources Policy	60	255-261
73	Lakhotiya G., Belsare N., Arbuj S., Kale B., Rana A.	Achieving Student Satisfaction and Student Loyalty in Higher Education: A Focus on Service Value Dimensions	2019	Services Marketing Quarterly	40	245-268
74	Paul R., Pradhan S.	The effect of process parameters on forming forces in single point incremental forming	2019	Procedia Manufacturing	29	120-128
75	Vaidya A.S., Srinivas M.B.	A frequency domain beamspace adaptive receive beamformer for ultrasound imaging systems: phantom simulation results	2019	Signal, Image and Video Processing	13	591-599
76	Prakash V., Agarwal A., Mussada E.K.	Processing Methods of Silicon to its Ingot: a Review	2019	Silicon	11	1617-1634
77	Mandal A.K., Panarotto F., Cortesi A., Ferrara P., Spoto F.	Static analysis of Android Auto infotainment and on-board diagnostics II apps	2019	Software - Practice and Experience	49	1131-1161



78	Gupta S., Sanyal S.	Incremental Singular Value Decomposition Using Extended Power Method	2019	Studies in Computational Intelligence	791	87-105
79	Soni G., Jain V., Chan F.T.S., Niu B., Prakash S.	Swarm intelligence approaches in supply chain management: potentials, challenges, and future research directions	2019	Supply Chain Management	24	107-123
80	Chopra K., Prasada Rao A.K.	Ultrasonicated Direct Chill Clad Casting of Magnesium Alloy: A Computational Approach	2019	Transactions of the Indian Institute of Metals	72	3027-3033
81	Chopra K., Payla A., Mussada E.K.	Detailed Experimental Investigations on Machinability of EN31 Steel by WEDM	2019	Transactions of the Indian Institute of Metals	72	919-927
82	Yadav M., Choudhary S.	Satisfaction from romantic relationship and social media usage: Mediating role of self-disclosure and CMC motives	2019	VINE Journal of Information and Knowledge Management Systems	49	609-628

## 9 . AWARDS & RECOGNITION

### NIRF Ranking:



The School of Management (SOM), BMU has been ranked 37th in the National Institutional Ranking Framework (NIRF) 2020, in the India Ranking - 2020, Management, from a total of 630 participating management institutions (falls in the bracket of top 5% - 6% of top management institutions). Twenty-five institutes participated from Haryana including, School of Management, BML Munjal University. SOM, BMU is ranked 3rd out of these 25 institutions which participated from Haryana.

QS IGAUGE created a global best practices document and methodology, to evaluate the preparedness of institutions in India in adopting technology and technology-enabled services for online teaching. The methodology, data collection & validation, audit process, quality check, and delivery mechanism have been thoroughly reviewed by experts from the higher education domain. It is coined as E-LEAD: E-Learning Excellence for Academic Digitization. The University has been awarded QS I-GAUGE E-Lead Certification.

Atal Ranking of Institutions on Innovation Achievements (ARIIA) is an initiative of Ministry of Educa-

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tion (MoE), Govt. of India to systematically rank all major higher educational institutions and universities in India on indicators related to “Innovation and Entrepreneurship Development” amongst students and faculties. ARIIA rankings were released on August 18, 2020. BMU has been placed in Band B (26-50th) ranking in the Self-Funded Pvt Universities category. There were a total of 80 universities in this category.

Hosted Grand finale of **National Smart India Hackathon 2020- At BMU** , there were 21 teams from all over the country. The teams worked on four problem statements provided by various organisations in the country. The teams were mentored by a panel consisting of BMU faculty, problem statement owners, and industry expert. Three teams from our university also participated but at other Centers.

**The IDA Education Award 2019-** BMU won the India Didactics Association (IDA) award for Collaborative Leadership in Higher Education at the IDA Education award. IDA Education Award is given to reward pioneering initiatives taken by educational institutions/organizations to focus on enhancing student learning outcomes.

**“Entrepreneur of The Year Service Business – Education”-** Mr. Akshay Munjal ,President BMU, was presented the **“Entrepreneur of The Year Service Business – Education”** award during the 9th Annual Entrepreneur India Awards 2019, organized in media partnership with Zee Business.

Rajesh Sharma, a Ph.D. scholar at BMU, was conferred upon the Young and Emerging Leader in Energy Efficiency award by CII at the 20th National Energy Awards for Excellence in Energy Management. He was recognized for his contribution (concept, planning, and execution) to accelerate energy efficiency by developing new projects and fostering innovation, services, or ideas.

The World Education Congress conferred Re-Imagine Education Award to Dr. Vishal Talwar, Dr. Jaskiran Arora, Dr. Rik Paul in Business Education Award Category.

Prof. Sumit Shandilya has been conferred upon the "Young leader of the Year" at the International Business Excellence Awards (IBAE) 2019 by the GISR foundation to recognize his exceptional caliber and outstanding performance.

Prof Payal Kumar presented a paper on " improving Lives by Developing Self Awareness of Faculty and Future Business Leaders " and Comparative Analysis of Inclusivity at the Academy of Management Conference in Boston, USA.

The Management, Spirituality, and Religion Division of the Academy of Management, USA, conferred Prof Payal Kumar upon the Outstanding Reviewer Award.

Dr. Vishal Talwar, Dr. Ritu Chikara, Dr. Ruchi Garg received a research grant of BDT 2,50,000 (~INR 2,09,000) from the North-South University, Dhaka, based on their study proposal titled " Enhancing Customer Value Perception of Public Hospitals by eliciting multi-sensory experiences: A Study of Bangladesh and India".

Dr. Suchitra Rajput Chauhan, Assistant Professor, Department of Physics, received Rs. 1 lakh from Science and Engineering Research Board for organising a National Conference on Emerging Trends on Advances in Materials Science.

## 10. STUDENT AFFAIRS

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### Career Guidance & Development Center

The Career Guidance and Development Center (CGDC) at BMU is dedicated, paving its students' way for their holistic development. CGDC very carefully envisaging a promising pathway for the students to aim, achieve, and excel in their careers. Keeping in view BMU's vision, the market challenges, and tech-savvy world, CGDC has extended and adopted a dynamic approach which not only encompasses placements but also understands the importance of having a deeper understanding of higher education, students training, seminars, guest lectures, organising conclaves, internships, etc. for making students engagement a pivotal role in CGDC



CGDC Team facilitates all the eligible set of students pursuing their undergraduate and postgraduate programmes to avail and undertake suitable opportunities for Practice Schools and Final Placements. The process shall also involve the participation of reputed and prominent Corporate/ PSUs, Govt. Sector organizations etc.

#### CGDC facilitates:

- Active engagement with industry
- Industry/Plant visits
- In-house technical and soft-skill trainings
- Career development through personalized and discipline specific trainings
- Industry support across course streams
- Internships opportunities through Practice School pan India
- Student's profiling
- Career-counselling
- Preparing students technically and strategically for various selection rounds in the companies.
- Lectures/talks/conclaves from Corporates & Industries

## A. Practice School (PS)-

Practice School	SOET	SOM	
	UG	UG	PG
PS- I	Industry visits	Industry visits	Two months industry internship
PS- II	Two months industry internship	Two months industry internship	-
PS- III	Six months industry internship	-	-

PS- II for UG (SOET & SOM) and PS for PG (SOM)- also known as Summer Practice School and PS-III Summer Practice School (Internship) is a mandatory aspect of UG & PG programmes offered at BMU. It is a graded activity, carrying specific credit points as per the programme.

During the internship period, a student would be accountable to the host organisation and report to an industry supervisor. Each student would also be mapped to a BMU faculty member who would mentor and guide him/her during the internship. They can either participate in the Summer Campus Practice School Process (CPSP) or they can arrange the internship on their own, through Self Internship Placement Process (SPP).

## B. Internships at SOL

Internships	Duration
1st Year Internship	4 weeks
2nd Year Internship	4-6 weeks
3rd Year Internship	4-6 weeks
4th Year Internship	4-6 weeks
5th Year Internship	4-6 weeks

During the internship at the end of the 1st year, the students will learn how to work in a professional environment and improve their writing and critical thinking skills. The 2nd year's internship will be preferably at District/ Trial Courts, 3rd and 4th years at High Court/Supreme Court/law firms. In the 5th year, students are free to intern at a place of their choice.

### Student Co-Curricular

Students come into the university with varied interests and talents. BMU endeavours to create opportunities for the holistic development of every student. We strongly believe that to build a community, it is essential for all the stakeholders to participate and interact beyond the confines of the

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classroom. A variety of cultural, social, athletic, academic clubs and societies are available for BMU students. Broadly, these clubs and societies are categorized in three Boards, namely the Board of Sports Activities (BSA) to comprise of all sports teams, the Board for Cultural and Creative Activities (BCCA) to consist of all clubs and societies involved in cultural and creative activities, and the Board of Technical Societies (BTS) to consist of clubs and societies involved in research and innovative activities in the areas of science and technology. The activities on campus focus on allowing individuals to express their talents and encourage them to attempt new pursuits within a safe and supportive environment.

The primary objectives of a student club/society are:

- a) To broaden the horizon of students beyond academics
- b) To enhance leadership skills
- c) To complement the curriculum of BMU.
- d) To offer mutual support in study, learning, and professionalism
- e) To provide personal connections and communications within the club
- f) To provide outreach and service to society in general

Like-minded students can also get together and start a club – whether it is academic, sports, or a hobby. To form a club or society, students will need a faculty mentor to act as an advisor. Students can submit a write-up of the club, the purpose, and membership criteria to the Dean's office for approval. A student can hold membership of not more than three clubs or societies. The club members are responsible for selecting the office bearers and primary members of their club/society. Clubs taking financial assistance from the university are required to submit an "Annual Event Calendar" every year, clearly outlining the major events and activities planned for the financial year. The following clubs/societies are operational under respective Boards:

#### **Board of Sports Activities (BSA)**

1. Athletics
2. Basketball
3. Badminton
4. Chess
5. Cricket
6. Football
7. Kabaddi
8. Lawn Tennis
9. Pool
10. Table Tennis
11. Volleyball

#### **Board for Cultural and Creative Activities (BCCA)**

1. Performing Arts Club (PFA). Mrityunjaya is part of PFA and caters to dramatics.
2. Photography and Cinematography Club (PAC)
3. BMU Enactus Chapter
4. Literary Quizzing & Debating Society (LiQuiD)
5. Udaan Club (For women & human empowerment)
6. Culinary Club
7. Social Media Club (SMC)
8. The Strategist & Entrepreneurship Club (TSEC)

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9. SAVERA (Students as Volunteers in Education to Reach and Assist)
  10. Speakeasy Club
  11. BMU Fight Club
  12. Adventure Club
  13. Wellness Club
  14. Environment Club
  15. Sierra Club (For Mock UN; TEDx; Hult Prize etc.)
  16. Strokes (Creative Arts)

#### **Board of Technical Societies (BTS)**

1. Automobile Club
2. BMU ACM (Association of Computer Machinery) Chapter
3. SATA (Science and Technology Appreciation) Club
4. IETE Chapter
5. Robotics Club
6. SciMat Club (Science & Mathematics)

The names of the above clubs are only indicative in nature. Students will also have the freedom to form new clubs or drop a club depending on the interest levels and motivation among the larger student body. In addition, students can join the National Service Scheme Chapter.



**Multi-Purpose Hall**



**Gymnasium**



**Volleyball Court**



**Tennis Court**

## Sports Activities

S.No.	Date	Description of event
1	24th Aug. '19	BMU Kabaddi team A and B visit to Tyagraj Stadium, New Delhi to watch Delhi Dabbang Kabaddi Club match of Pro Kabaddi League season 7
2	29th Aug. '19	Celebration of National Sports Day by having an interactive session with Mr. Manavjit Singh Sandhu, World champion, Khel Ratna Awardee, Olympian, and Arjuna Awardee.
3	2nd Oct 2019 & 30th March 2020	"Banyan League", an initiative by Director Sports where in 4 member universities i.e. Ashoka University, OP Jindal Global University, Shiv Nadar University and BMU play 7 sports in a league format over the year
4	Sept. 28th & feb '20	Inter Quad, all the university students are allotted with Quads. The students represent their Quads in 11 sports over the year
5	14th to 16th Feb 2020	"Hero's Challenge", annual sports festival of BMU. At the second edition of "Hero's Challenge" 16 Institutions participated with more than 670 students in 10 sports.
6	27th to 29th Sep-tember 2019	Participation at " <b>Expedite</b> " annual sports festival of Bennett University (Basketball, Badminton and Football)
7	18th to 20th October. 2019	Participation at " <b>Agneepath</b> ", Annual Sports Festival of Ashoka University
8	20TH October 2019	Friendly match with NIIT Neemrana conducted by BMU (Cricket, Basketball & Kabaddi)
9	10th & 24th November	Friendly match with Amity Manesar Conducted by BMU(Cricket)
10	18th December 2019	Sports Gala, faculty vs staff matches (Badminton, Cricket, Relay Race, TT, Tug of War, Volleyball)
11	24th to 26th Jan 2020	Participation at " <b>Desportivos'20</b> " Annual Sports Festival of LMNIIT Jaipur
12	26th Jan 2020	Friendly match with Amity Manesar Conducted by BMU(Cricket)
13	26th Jan 2020	Participation at " <b>Breeze</b> " Annual Sports Festival of Shiv Nadar University ( Badminton, Cricket & Football)



## Performance of BMU at Sports Festivals (External) 2019-20

S.No.	Date	Festival	Sports Discipline	Position
1	18th to 20th October. 2019	“Agneepath”, Annual Sports Festival of Ashoka University	Volleyball	2 <sup>nd</sup> Position
2	2nd Oct 2019 & 30th March 2020	Banyan league Organized By Ashoka University	Volleyball	1 <sup>st</sup> Position

The annual BMU Sports Festival “Hero’s Challenge” held from 14th to 16th February, concluded with the Prize Distribution by Chief Guest Sh. Raj Kumar Sangwan Asian gold medalist heavyweight boxer and Arjuna awardee. The event was successful in all aspects of its conduct i.e. technical conduct, hospitality, number of participants and the standard of participants. Moreover, BMU Teams did very well in a wide range in sports events . The achievements by BMU players were as under.

1. Badminton men’s singles- 1st
2. Badminton men’s doubles- 2nd
3. Badminton mixed doubles- 2nd
4. Basketball men- 3rd
5. Chess-2nd
6. Cricket-3rd
7. Football-3rd
8. Kabaddi-men - 1st
9. Volleyball- 2nd (very close 5 set final match)
10. Pool- 3rd
11. Lawn tennis men- 1st & 2nd
12. Table tennis-3rd

## Performance of BMU at Sports Festivals (Internal), 2019-20

S.No.	Date	Festival	Sports Discipline	Position
1	14th to 16th Feb 2020	“Hero’s Challenge” annual sports festival of BMU	Badminton (Men’s Singles), Kabaddi, Lawn Tennis (Men’s Single) and Volleyball	1 <sup>st</sup> Position
2	14th to 16th Feb 2020	“Hero’s Challenge” annual sports festival of BMU	Badminton (Men’s Doubles), Badminton (Mixed Doubles), Chess Mixed and Lawn Tennis (Men’s Single)	2 <sup>nd</sup> Position
2	14th to 16th Feb 2020	“Hero’s Challenge” annual sports festival of BMU	Basketball (Men’s), Cricket, Football, Pool, Table Tennis (Men’s)	1 <sup>st</sup> Position

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## Co-Curricular Activities

BMU's vision of experiential learning does not happen only inside the boundaries of its classrooms. Students here experience a diverse and a vibrant life on campus with a wide variety of extra-curricular and co-curricular activities which create a platform for the students to grow as individuals. Each year, the new batches coming in to pursue different courses in the schools undergo the Orientation Program which gives them a warm welcome with exhilarating ice-breaking sessions and campus familiarization etc. Many central events are organized - like the "Leadership Day" which is aimed at encouraging all the student representatives of the University from the Student Council Executive Committee to the Club and Mess Committees etc. to get themselves involved in activities that would foster essential values such as Leadership, Teamwork, Recreation etc. The academic year of 2019-20 was relatively more active and positively impactful for all the students, faculty members and the University. The introduction of Co-curricular credits further enhanced the participation from students in such activities. The number of events organized increased significantly with interested students participating in large numbers. With 22 diverse clubs, students had a diverse number of options in which learning was celebrated. Overall, this year turned out to be successful in fostering joy and creating a much exhilarating atmosphere for all the students.

### Major Events

S.No.	Date	Event
1	23 to 26 -July -2019	Orientation Week
2	3-Aug-19	Student Leadership Day
3	3-Nov-19	Extravaganza 2K19 (Performing Arts Club)
4	19-20 Aug 2019	Studio Night (Photography and Cinematography Club)
5	1st Oct - 2nd Oct 2019	Krystal 2K19 - Fundraiser (By SAVERA)
6	19-Oct-19	TEDxBMU
7	14 -16 Feb 2020	67th Milestone (Annual Techno Cultural Management Fest)
8	14-Feb-20	3rd Annual Book Exhibition

### Club Events

S.No.	Name of Club	Event
1	Fight Club	Demo/trial week for MMA (Mixed Martial Arts) and Self Defence
2	PFA	Hooligans Dance Team Auditions
3	Environment Club	Poster Making Competition on Water Conservation (Jal Shakti Abhiyan)
4	Environment Club	Talk by Vineet Kumar Sanadhya - Project Manager (GENPACT) & Team Leader - Save Aravalli Trust
5	Strokes Club	Logo Dumb Charades' - lead up to PARADIGM Event

6	Udaan Club	#AbstractEd dedicated to Independence Day; Theme - Beauty of Freedom
7	Strokes Club	Independence Day Rangoli Competition
8	SAVERA Club	Raksha Bandhan Event
9	Speakeasy & Adventure Club	Treasure Hunt Event
10	PAC Club	Studio Night - Black & White Photography
11	PFA Club	Hip Hop Dance Workshop
12	Culinary Club	Hatke Panipuri Competition
13	Udaan Club	Pride Fair to bring awareness for the LGBTQ community and celebrate one-year anniversary of demolishing section 377 in India
14	Savera Club	Cultural Programme for Indian Schools Award
15	Udaan Club	Campaign called "Voices" - on-the-spot reading video for numerous mental health stories we have from the campus and across
16	Enactus Club	Halloween '19 Celebrations
17	Wellness Center & Club	Treasure Life Event by Round Glass College Wellbeing
18	Adventure Club	Inauguration of the Obstacle Course - first run
19	Udaan Club	International Men's Day - Series of Competitions
20	Strokes Club	Decoupage Workshop
21	PFA	Musical Night by Soul Forge Band
22	Culinary Club	Biryani Night
23	Culinary Club	Dosa Night
24	Fest Marketing Team	IPL Auction 2.0
25	Fest Marketing Team	Jumble Fumble
26	Fest Marketing Team	Quiz'O Fest
27	Fest Marketing Team	Prom 2020 - JOUR D'AMOUR
28	Udaan Club	Slam Poetry Competition to commemorate Women's Day
29	PAC Club	Online Photography Competition on theme "Quarantined"
30	PFA Club	Online Musical Evening on 67th Milestone's Instagram Handle
31	Savera Club	Krystal 2K19 - Cultural Night; Food Carnival & DJ Night
32	Adventure Club	Adventure Trip to Kanatal & Rishikesh
33	PFA Club	Bhangra Workshop by PB 67 (The Bhangra Group)
34	PFA Club	Online Quarantine Diaries - one day from your journal while quarantined

35	Social Media Club (OSMM)	#stayhome - PUBG! A PUBG Competition online
36	PFA	Extravaganza 2K19

### National Days & Festival Celebrations

S.No.	Date	Event
1	15-Aug-19	Independence Day Celebrations - Flag Hoisting; Cultural Events & Exhibition by Partition Museum
2	02 Sep - 06 Sep 19	Ganesh Chaturthi Celebrations
3	10 & 12 Nov 19	Celebration of Guru Nanak Dev Jayanti - Paath, Langar, Talk by Sodhi Vikram Singh Ji & Follow up to Children's Day
4	13-Jan-20	Lohri Celebrations
5	26-Jan-20	Republic Day Celebration
6	23 to 26 Jul 19	Orientation Programme for Undergraduate Batches
7	3-Aug-19	Student Leadership Day
8	31-Aug-19	Club Fair during Convocation
9	7-Sep-19	Viewing of Chandrayan 2 Landing
10	25-Sep-19	Leadership Talk by Mr Aditya Ghosh, CEO South Asia, OYO Rooms
11	23-Oct-19	Leadership Talk by Ambassador Dr Deepak Vohra on Global Mega Trends & the Kashmir: The Reality
12	7-Nov-19	Purulia Chhau performance by Chinibas Mahato group through Spic Macay
13	16-Nov-19	Blood Donation Camp in collaboration with HDFC Bank
14	22-Nov-19	Farewell to 2016 B. Tech Batch
15	15-Jan-20	Bonfire Night - Food Fest, Games etc.
16	01 - 12 Aug 19	Series of "Break-In" parties in all hostels to increase bonding between students and with wardens
15	20 - 29 Feb 20	Shram Daan in Village Bastpur

### Student Achievements

The below mentioned are the student achievements for the year 2019-2020. These consists of National and Inter-college events.

Students	Club	Event	Location	Achievement	Date
1800285C204- Mayank Dev ECE; 1800118A202 Parul Kushwaha BBA; 1800255C202- Saijal Goyal CSC	Enactus Club	Project Theme: Save Paper	NSIT, New Delhi Cultural Fest	Second Prize with the Price worth of Rs. 1500/-	18-Oct- 19
The Soul Forge Band - 1600479C205- Manu J Nair ME; 1600474C205- Kori- merla Sai Vishwak ME; 1600053A202- Akash Goparaju BBA	Performing Arts Club	Unplugged - Vocal Music	Biswamil '19 OP Jindal University Fest	1st Position	18 -19 Oct 19
1700126C202- Loukik Gatta CSE & 1600053A202- Akash Goparaju BBA	Performing Arts Club	Duet Dance	Biswamil '19 OP Jindal University Fest	3rd Position	18-19 Oct 19
1700319C204- Jon- navithula Chandan ECE; 1700360C204- Vaishnava Samudrala ECE	Photography & Cinema- tography Club	Spot Photog- raphy - Team Event	Biswamil '19 OP Jindal University Fest	1st Position	18-19 Oct 19
1700262C203- Srini- vas Pranay CSE; 1800155C202- Pranav Ganni CSC	Photography & Cinema- tography Club	Spot Photog- raphy - Team Event	Biswamil '19 OP Jindal University Fest	2nd Posi- tion	18-19 Oct 19
1700319C204- Jon- navithula Chandan ECE	Photography & Cinema- tography Club	Conceptual Photography Individual Event	Biswamil '19 OP Jindal University Fest	1st Position	18-19 Oct 19
190041- Saurabh Sharma MBA; 1700218C203- Surya Kiran Kanduri CSE; 1700247C203- Nikita Agarwala CSE	The Strate- gists & Entre- preneurship Club	Technology Domain of the Business Competition	Shiv Nadar University Business Conclave	1st Prize - INR 8000 and opportunity to fly to Singapore to attend International Startup Enrich- ment Tour 2020	19-Oct- 19

1800234C203- Manjunadh Kandavalli CSE; 1800219C203- Gurram Raghavendra Dinesh CSE	Robotics Club	Line Follower Competition	Shiv Nadar University fest- BREEZE'20	1st Position	8-Feb-20
1800234C203- Manjunadh Kandavalli CSE; 1800219C203- Gurram Raghavendra Dinesh CSE; 1700384C205- Aakash Dammala ME; 1700125C202- Charith Reddy CSC	Robotics Club	Line Follower Competition	Uphoria '20 Bennet University Fest	1st Position	15-Feb- 20
190C2030021- Harshith Sai Tunugunt- la CSE; 190C2030023- Jaladi Saai Sishir CSE; 190C2030015- Gali Ravi Praveen CSE; 1700200C205- Bha- virisetty Abhishek CSE	Robotics Club	Line Follower Competition	Uphoria '20 Bennet University Fest	2nd Posi- tion	15-Feb- 20
1800234C203- Manjunadh Kandavalli CSE; 1700125C202- Charith Reddy CSC; 1700253C203- Sam- path Paduchuri CSE; 190C2030015- Gali Ravi Praveen CSE; 1700200C205 -Bha- virisetty Abhishek CSE	Robotics Club	Line Follower Competition	Uphoria '20 Bennet University Fest	1st Position	16-Feb- 20
Team Amala - 1800154A202- Sai Sandesh Buradash BBA KPMG; 1800135C202- Aditya Prakash BTech CSC; 1800118A202- Parul Kushwaha BBA KPMG; 1800193C202- Yash Patil BTech CSC; 1800144C203- B Durga Bhagavan BTech CSE	Enactus Club	A septic gas poisonous detection device for the problem statement of air pollution in Hustle-Up Challenge	Tryst 2019 - Technical Fest of IIT Delhi	“Most Innovative Approach” with a cash prize of ₹5000	01 - 3 Mar 20

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## Events Conducted by The Clubs

TSEC invited Vice President, Paytm for a Leadership Talk: Mr. Saurabh Jain was invited to the BMU campus to address the students on "Entrepreneurship and Innovation through Technology" on 30th July 2019 by TSEC. Mr. Jain is currently the Vice President at Paytm. He is heading the 'Paytm- Build for India' program and has an active role in start-up products, developer relations, social impact /CSR



To start this session with zeal and enthusiasm, the Environment Club organised their first event cum introductory session - Poster making competition on "Water conservation" on 9th August 2019. Shivani Mittal of B.tech 1st year depicted her imagination in the most creative way and was declared the winner of the competition. The winner was awarded Amazon gift voucher worth Rs.500 and her poster was featured on BMU's official Instagram page.



Mr. Vineet Kumar Sanadhya addressed BMU students on the topic "We and I" on 10th August 2019. Mr. Vineet is currently working in the capacity of Project Manager, associated with Save Aravali Trust, which consists of around 70 volunteers. His organization is highly active in Haryana specially in Bhiwadi, Manesar, Rewari, Dharuhera, Neemrana and Alwar. Save Aravali Trust received the award of most active organisation in Haryana by Haryana govt.





**TSEC invited Vice President, Paytm for a Leadership Talk:** Mr. Saurabh Jain was invited to the BMU campus to address the students on "Entrepreneurship and Innovation through Technology" on 30th July 2019 by TSEC. Mr. Jain is currently the Vice President at Paytm. He is heading the 'Paytm- Build for India' program and has an active role in start-up products, developer relations, social impact /CSR

**ROBOTICS Club organises a workshop on 'Getting started in Robotics':** 'Getting started in Robotics' is the flagship event of the BMU Robotics Club. In this, participants were taught basics of robotics and electronics using robotics kits. It was a 2-day workshop where in the participants learnt how to code and create projects using Arduino board. Moreover, there were a lot of challenges and competitions to make the workshop more engaging. Participants with curious minds were given a chance to prove themselves in the makers' challenge wherein they were given a cash prize. It's was thrilling, interactive, 100% practical workshop which allowed participants to have a hands-on exposure to technology.



**LiQuiD organises CHAI PE CHARCHA:** Chai Pe Charcha(CPC) is one of the most popular events by LiQuiD. This event resembles a Group Discussion (GD) where a person is supposed to take a side either -For the motion or -Against the motion. There is a Moderator who moderates the Discussion along with ensuring that there is fine balance of opinions on both the sides of the motions. The topic for this CPC was "Revocation of Article 370 of the Constitution of India."





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### **CULINARY Club organises Hatke Panipuri competition**

Hatke Panipuri event was conducted on 26th August 2019. It was a three round knockout competition. The winner was awarded a Netflix subscription and the runner up was given an Amazon Prime subscription.



SIERRA Club organises SIERRA MUN (Model United Nations) training session: An MUN training session was conducted by Ms.Sudeep Kaur on 1st September 2019. She is a BMU Alumni, former President of Club Sierra, organised the first MUN in our university during the 67th milestone 2019 and has experience in conducting training sessions for past 4years.

**Alumni organise Paradigm 2019 : A Pitching Boot Camp:** Paradigm, a start-up pitching boot-camp, was organised by the BMU Alumni Association along with Propel, an Institute of Innovation and Entrepreneurship and BMU's Incubation Centre on 26th August 2019. At Paradigm 2019, start-ups were put through a series of education and training modules to sharpen the students' skills around areas such as customer and industry knowledge, team skills, creativity and problem solving and a strong business acumen. It was a pitchfest to help BMU students with a platform to pitch their start-up ideas and provide a stepping-stone to enter the world of entrepreneurship.





**NSS-BMU celebrates Ganesh Chaturthi by organising an Eco-Friendly Idol Making event**  
 NSS Unit-I, BML Munjal University celebrated Ganesh Chaturthi by making eco-friendly Ganesh Idols on 3rd September 2019 with the students, faculty, and support staff of BML Munjal University under the guidance of Dr. Yarramaneni Sridharbabu, NSS Program Coordinator. The event was organised in collaboration with Strokes Club of BMU. In the event students either solo or in groups made Eco Friendly Ganesh Idol using mud.



**TSEC organised a Workshop “The next step” in the Entrepreneurship workshop series:** The workshop was organised on 5th September 2019. It had 23 students in total. Students were able to gain immense marketing knowledge through various activities. The students initially took a personality test which helped them to realise their strengths and weaknesses. In conclusion, all the teams showed immense creativity and innovation and the activity session ended on a positive note

**SCI-MAT Club organised the Coding Ninjas Workshop: On September 11, 2019 :** The SCIMAT Club welcomed Coding Ninjas! which is a premier coding platform of India with thousands of students placed in various prestigious MNC’s all over the world. SCIMAT, in collaboration with them, conducted a workshop at our campus to give the students a professional taste of the current competitive world. The workshop consisted of the following things:

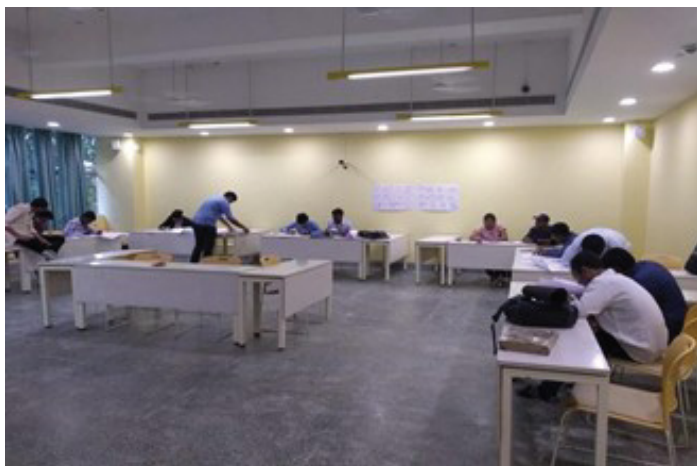
- Importance of programming from the perspective of various career choices.
- Different paths for students to do well in programming e.g. Competitive Programming,
- Web Development, Machine Learning, etc
- Importance of projects and internships for landing great career opportunities

An interactive session to answer any student queries.

Coding Ninjas is the most loved Edu-Tech company in India. It is a team of Tech Professionals from IITs, Stanford University, Facebook, Amazon.



**NSS Day:** NSS Unit-I, BML Munjal University celebrated NSS Day on 24th September 2019 by serving in the student messes to students as well as the mess staff to show respect to the mess workers with the help of students, faculty and support staff of BML Munjal University under the guidance of Dr. Yarramaneni Sridharbabu, NSS Program Coordinator. The volunteers of NSS BMU served in both the messes and helped the mess workers in the lunch time to show that no work is small or big on the occasion of NSS Day. It was good to see a smile on the faces of mess workers.



**ENACTUS organised BiZest 2019-** 28th September 2019: It was a collaboration of NSS BMU & Strokes, where Savera students were assisted in making clay Ganeshas. Later, the students were called during the Pooja ceremony, where pens, books and sweets were distributed to all the Savera students



**NSS organises Animal Shelter Visit:** NSS Unit-I, BML Munjal University visited Friendicoes Animal Shelter in Gurgaon under the guidance of Dr. Yarramaneni Sridharbabu, NSS Program Coordinator on 29th September 2019. 20 volunteers went to visit the Friendicoes Animal Shelter in Gurgaon. There students got to know about how the stray animals are rescued and are living a peaceful life in the shelter. NSS BMU also donated 10 KG of Rice & 10 KG of Dalia to the shelter.

**Udaan organises mental health awareness campaign - 'Voices':** To commemorate the World Mental Health day Udaan organised a campaign called 'Voices'. The campaign involved collecting anonymous stories from students in relation to mental health, which later were read out openly by random individuals in order to capture the reactions and for the purpose of spreading awareness of the same.



**PAC club wins at Jindal Global University annual cultural fest:** PAC club participated in BISWAMIL 2019, annual cultural fest of Jindal Global University and won two competitions between 18th - 20th October 2019. Charan Teja, Manjith Pendota, Srinivas Pranay, Vaishnav Samudrala, Jonnavithula Chandan from B.Tech 2017 batch and Pranav Ganni, Pramod Vangivarapu from B.Tech 2018 batch competed at the fest. Jonnavithula Chandan and Vaishnav Samudrala bagged first prize in 'spot photography'. Jonnavithula Chandan also won individually in the conceptual photography competition.



**TSEC organises Innovation Day competition (online):** Every year, 15th October is celebrated as "Innovation Day" to commemorate the legacy of Dr. A.P.J Abdul Kalam. In order to shine light on innovation, TSEC BMU presented an open platform for students to take part in an online slogan pitching competition in campus with some exciting prizes for the winners. Each participant had to be Innovative and pitch a slogan related to Innovation based on the topic "What does Innovation mean to you" or "How has Innovation helped you?". More than 12 entries were made by the students.



**MBA Students develop self-sustainable business for rural women:** "Project 'SANKALP', an initiative by BMU, provided team KOSHA, students of MBA 2nd Year, a platform to develop a self-sustainable business for the women of the village Khatwali, Haryana. KOSHA's vision is to empower the women in male-dominant rural society and provide them with a means of livelihood to financially support their families. With the guidance of Kosha team members and with the hard work, dedication, and enthusiasm of the women to upskill themselves and earn, the venture has successfully completed its first phase, as the women primed for their first order

**Students perform Nukkad Natak to build awareness on Child Abuse:** On 22nd November 2019, students from School of Law went to the Government School in Sidhrawali, Gurgaon, and performed a "Nukkad Natak" on the topic Child Abuse for making the children aware of their rights if they are abused mentally, sexually, and physically. Ms. Ritu Kapoor, Advocate, Gurgaon Courts, was also present to give insights about the topic.



**TSEC organises workshop on business modelling:** TSEC organised this workshop before the Diwali break. Under the guidance of Prof. Davinder Singh, a very critical entity for the career of an entrepreneur i.e. Business Model, was taken up. This workshop helped students gain clarity on their ideas as well as learn how to present it to the external business community. It included one-on-one in-depth discussion about their ideas. The students gained know how about the functioning of a business model.





**Students from School of Law visit the Gurgaon Court:** Law students visited the Gurgaon Court on 21st September 2019 to have a real- life experience of Courts and the Judicial Procedure. The students witnessed a case on medical negligence and interacted with a public prosecutor and a judge of sessions court.



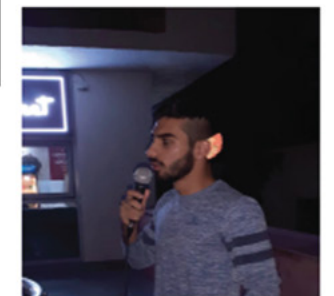
**Students of School of Law attend Moot Court sessions at Manipal University, Jaipur:** Law students visited Manipal University, Jaipur on 28th September to have a real- life experience of Moot Courts. They enjoyed being observers to the various Moot Court Competitions going on there, where judges from Supreme Court and High Court of Rajasthan were present.

## Club Fair - Gender Equality Awareness

Identifying the gender stereotypes through various games, quizzes, voting, and fun filled exercises in order to raise awareness and break the taboos.

**28th July 2019**





## Celebrating LGBTQ+ Community

Last year in the month of September, India witnessed demolishing of Section 377. In the celebration of the same, we organised a Pride Fair on 9th of September in BML Munjal University.

The event inculcated an Open Mic, Face & Body Art, Drama & Portrait Photography.

9th September 2019

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Anonymous stories related to mental health were collected from the campus, and shared by random students who read and reacted to these stories on the spot.

This campaign was started to spread awareness about importance of mental health and it's impact on individuals, regardless of their age, gender, background, etc.



**In the wake of Mental Health  
Awareness Month, launching**

**Mental Health Awareness  
Campaign**

**10th October 2019**







## **Celebrating International Men's Day at BMU**

Men's Day, in partnership with Beardo, was celebrated at BMU to appreciate our unsung heroes and have some fun at the same time. Various games were organised and surprise appreciation cards were given.

**19th November 2019**



## Collaboration with Hamari Asha

2019

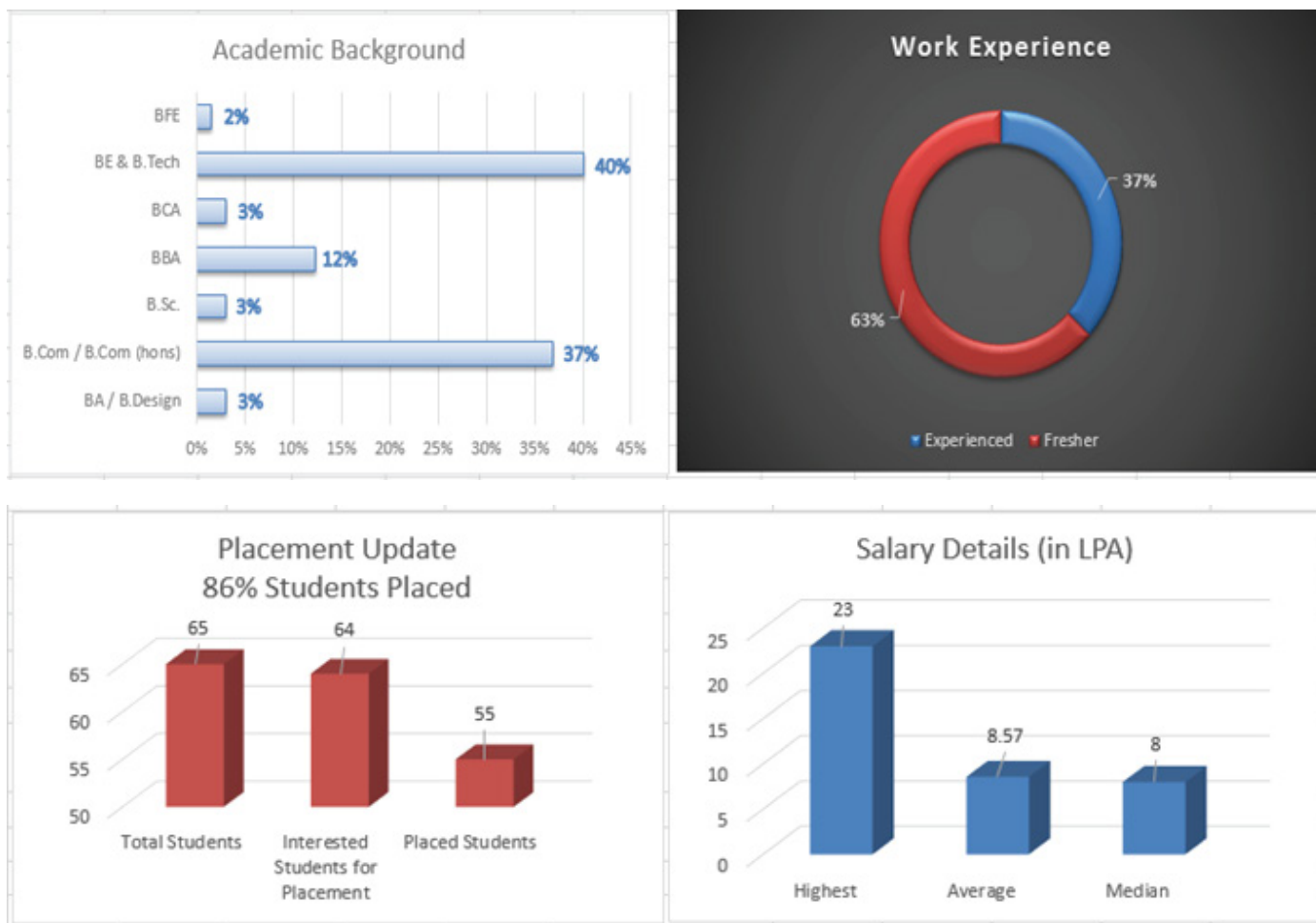
Hamari Asha is an initiative by Raman Kant Munjal Foundation to provide financial support to women from villages by training them various skills, for instance, Stitching, Diya making, etc.

Students collaborated with Hamari Asha to support the women by volunteering to sell and earn revenue for the products made by them.



Placement: 2019-20

School of Management: MBA 2018-20 Batch



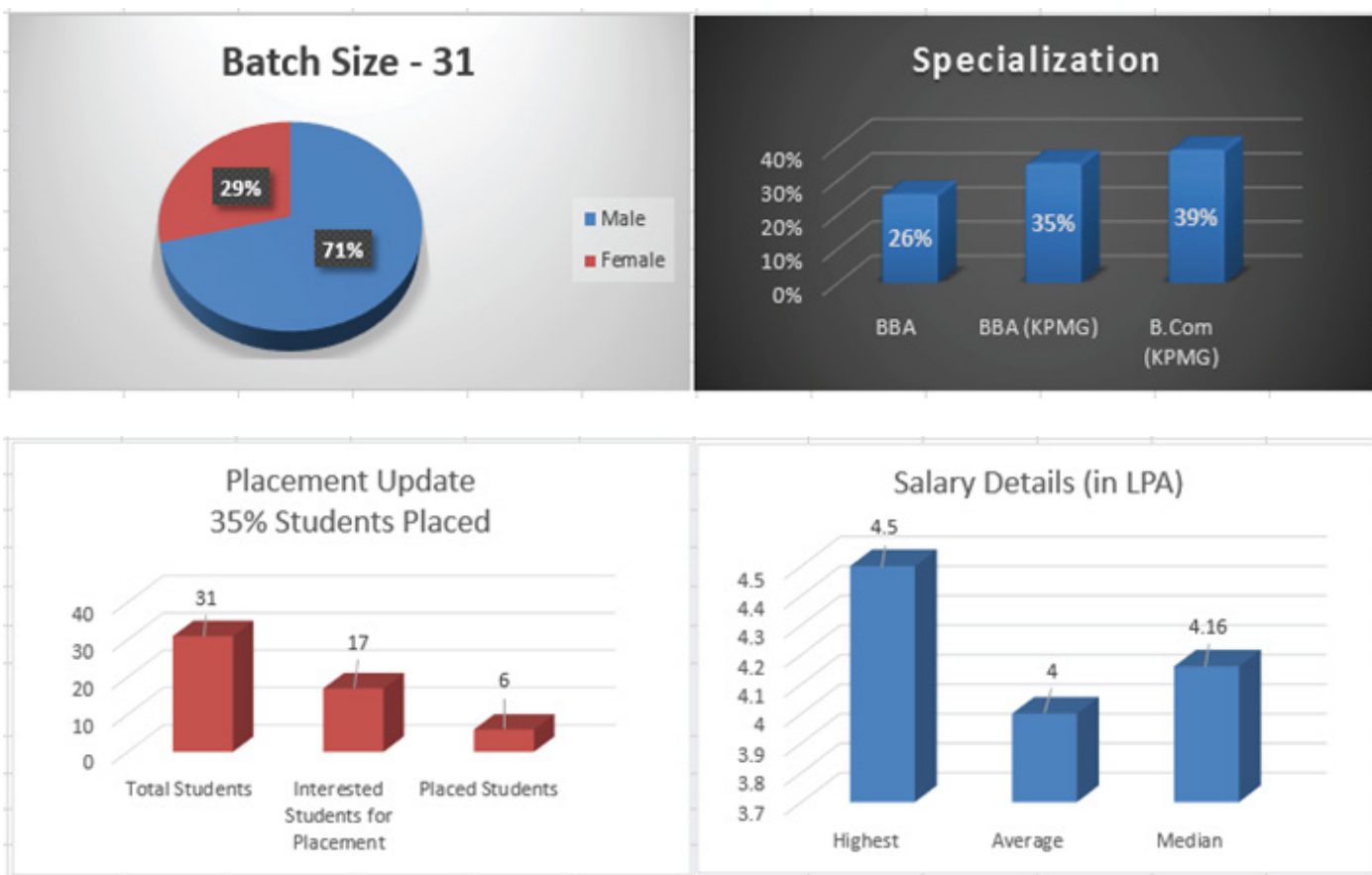
Few of our prominent recruiting partners – MBA 2018-20

AXIS Bank	KPMG
Antworks	Mount Meru
KPMG Global Services	TVS Motors
Grant Thornton	Wipro
Hero FinCorp	21North
Solveda	OYO Life
Hyundai	upGrad
Benepik	Colorjet

## Internship Companies – MBA 2019-21

Anand Rathi	Bagrry's	Cedura
Grant Thornton	HDFC Life	Hero Corporate
ICRA	Intellect Design	Karvy
Kone elevators	KPMGMetro	cash & carry
PNB Metlife	Powergrid India	QuaQua Experiences
Reliance	Solveda	Tata tele business services
The Capital Box	Tokyo-esque	United Nations Industrial Development Organization (UNIDO)

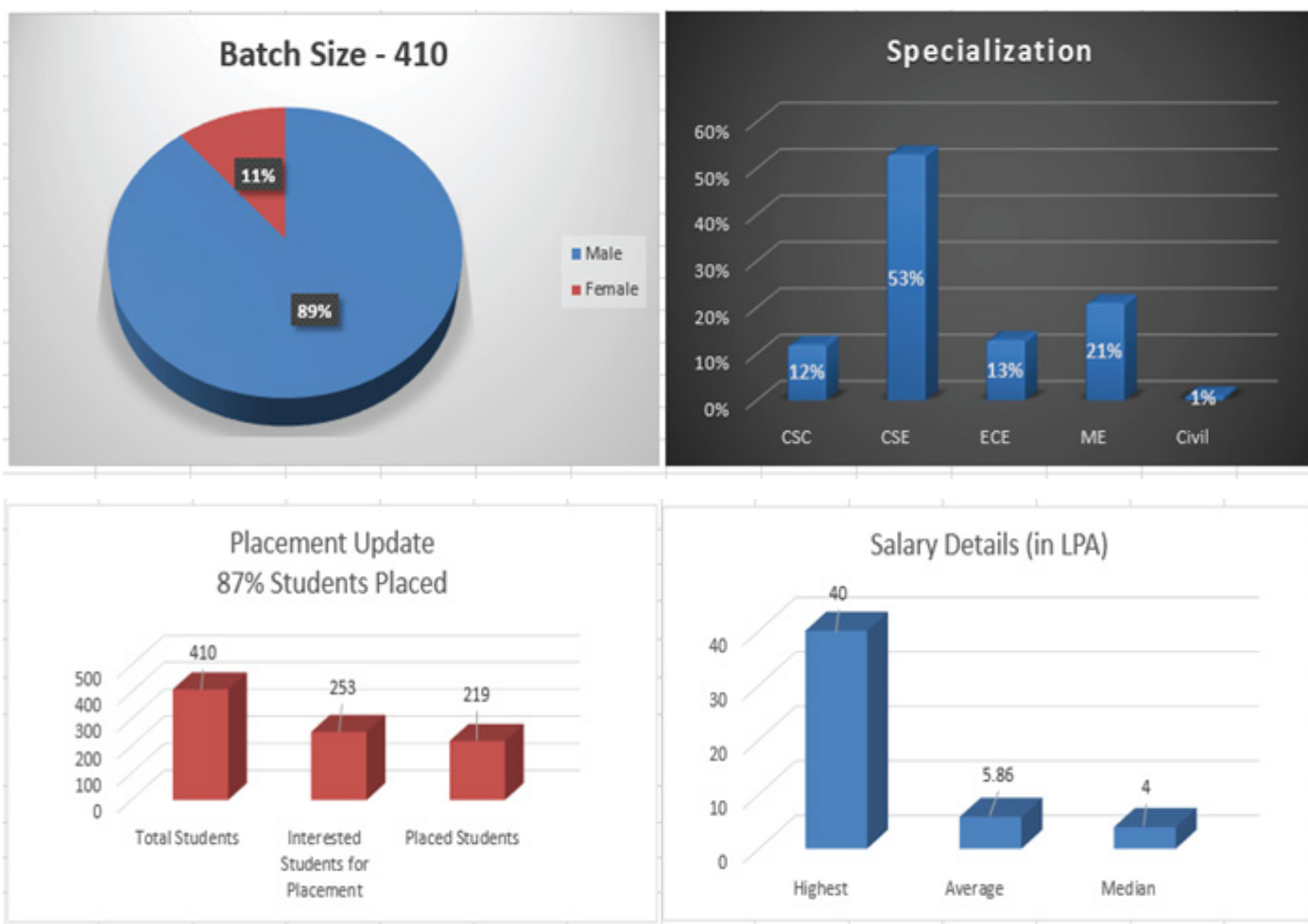
## School of Management: BBA/BCom. 2017-20



### Prominent recruiting partners – BBA/B.Com 2017-20

Cvent	Jaro Education
Skootr Global	Square Yards
Merkle Sokrati	Hike Education
Extramarks Education	Zunroof Tech
Grant Thornton	XL Dynamics
Raptor Supplies	upGrad
Transweb Solutions	Praxis Retail (Future Group)

### School of Engineering & Technology: B.Tech. 2016-20 Placement Statistics



**Practice School – B.Tech.: 100% Students Placed in Practice School with 120+ Participating Companies. 55% Students received stipend-based Internships.**

**Stipend Details (INR)**

Highest	65000/-
Average	14235/-

**Few of our prominent recruiting partners – B.Tech. 2016-20**

ServiceNow	Deloitte
Ernst & Young GDS	Adventum Advanced Solutions
AltioStar	BharatPe
TCS	Commvault Systems
Hero MotoCorp	CultGear
Tek Systems	Escorts Ltd.
Merkle Sokrati	TVS Motors
Byju's	Synopsys
Truechip	NIIT Ltd.
Wipro	NIIT Technologies
Rockman Industries	Padmini VNA Mechatronics
Indxx Capital	NCR Corporation India
MAQ Software	Infosys
KPMG Global Services	HCL Technologies
Hashedin Technology	upGrad
Samsung R&D	Hansa Solution

**Practice School Companies:**

Adobe Systems	Adventum Advanced Solutions
AltioStar	Beumer India
BharatPe	Bharti Airtel
Commvault Systems	CultGear
Databeat	Deloitte

DRDL	DRDO
Fiat India Automobiles	Goodera
HashedIn Technologies	ISRO
Juspay Technologies	KIA Motors India
L&T Defence	MAQ Software
Maruti Suzuki India	Merkle Sokrati
NCR Corporation	NIIT Ltd.
Nimmetry Technologies	Reliance Jio Infocomm
Samsung India Electronics	ServiceNow
Synopsis	TapChief
Tata Advanced Systems	Tek Systems

At BMU, we have set a strong culture to implant the seed of pursuing higher education amongst our student community. As a result, many of our students have to proceed for further higher studies in various national & international institutions/universities after their graduation from us. Following are some students who have earned an opportunity to pursue their higher studies from some world-renowned institutions/universities:

S.No.	Student Name (Program)	Name of the University/ Institution	Program admitted
1	Vaibhav Pahuja (B.Tech 2016-20 Mechanical Engineering)	Monash University, Australia	Master of Professional Engineering
2	Muskan Chaturvedi [BBA (KPMG) 2017-20]	University of Warwick, UK	MBA International Marketing

## 11. EVENTS

### Webinars/Workshops/Leadership Talks

#### First E-Alumni meet (10th May 2020):

BMU believes on having a strong connect with the Alumni, as they are the ones who are guiding forces for the students. With a view to reunite them the red carpet was rolled out for graduated students and the 1st E-Alumni meet was organized. More than 200 Alumni participated on this occasion. This small step witnessed several success stories and dissemination of learning to the aspiring students.

#### International University Day (29th August & 05th September 2020):

The CGDC avowed to extend motivation and direction to BMU students for their international academic options. Hence, for the students, International University Day is being organized annually. This year 29th August & 05th September was observed as International University day at BMU Campus. Eight (08) International Universities from countries like UK, USA, Ireland, Australia & Netherlands participated in the two-day event

#### List of Universities/Institutions Participated:

S.No.	Participating University	S.No.	Participating University
1	Arizona State University, USA (QS Ranking - 215)	5	University of Greenwich, UK (QS Ranking - 700)
2	Colorado State University, USA (QS Ranking - 206)	6	Trinity College, Dublin, Ireland (QS Ranking - 108)
3	Ohio State University, USA (QS Ranking - 101)	7	University of Sydney, Australia (QS Rank -42)
4	Queen Mary University of London, UK (QS Ranking - 126)	8	University of Groningen, Netherlands (QS Rank - 114)

S.No.	Event	Date
1	Leadership Talk by Ambassador Dr. Deepak Vohra	23rd Oct. 2019
2	Career Counselling Sessions (3rd Round) by iDreamCareer	6th Nov. 2019
3	Leadership Talk by Mr. Karan Saharan, Director, OYO Life & Ms. Rashi Srivastava, HR-Campus Relations, OYO Life for MBA 1st & 2nd Year Students	19th Dec. 2019
4	Leadership Talk by Mr. Shishir Gupta, Head - Power Electronics & Automation Technology Center, EAIC Larsen & Toubro Limited	17th Jan. 2020
5	Guest Lecture by Mr. Deepak Goel, CEO, Karma Circles for MBA 1st Year Students	18th Jan. 2020
6	Career Counselling Sessions (4th Round) by iDreamCareer	31st Jan. 2020



7	Delegates from United Nations Industrial Development Organization (UNIDO) visited BMU to conduct Interview process for Summer Internships for MBA 1st Year & B.Tech 3rd Year Students with 05 Selections	14th Feb. 2020
8	Career Counselling Sessions (5th Round) by iDreamCareer	25th Feb. 2020
9	A 04 Members Team from ROKI R&D India Pvt. Ltd. visited BMU Campus for Strategic Collaboration	4th Mar. 2020
10	Momentum 2.0 (A Speed Networking Event) is organized in collaboration with School of Management	13th Mar. 2020
11	Mr. S.K. Bose, Executive Director, HR, IOCL & Mr. Amit Gupta, Deputy GM, HR, IOCL visited BMU to explore various engagement areas under Internships, Executive Educations, Projects, Center of Excellences etc.	13th Mar. 2020
12	Webinar on Digital Transformation - By Mr. Nagaraj Muppalla, Principal Partner – Digital Transformation at Winspire Technologies, Bangalore (Former Senior Professional from Microsoft and Consultant)	18th Apr. 2020
13	Webinar on Impact of Data Science & AI - Pre & Post COVID-19 - By Mr. Suresh Kadari, CEO, Cedura & Trensdive, Hyderabad	20th Apr. 2020
14	Webinar on Renewable Energy is a hot spot for startups & investment opportunities post COVID-19 - By Mr. Anmol Jaggi, Co-Founder of Blusmart Electric Mobility & Founder CEO of Gensol Renewable Energy Group	22nd Apr. 2020
15	Webinar on Opportunities for Millennials Post COVID-19 - By Mr. Sankar Sundaralingam, Head-HR of a Multinational Company from the Automobile Sector	23rd Apr. 2020
16	One to One Career Counselling Sessions to pursue Higher Studies by IDP Education	22nd – 27th Apr. 2020
17	In collaboration with Byju's CareerLabs, a satellite (virtual) seminar is conducted on the Topic 'Profile Building for Higher Education & Placements' by Mr. P.N. Santosh, CEO & Founder – CareerLabs & Byju's Co-Founder	18th May 2020
18	One to One Counselling sessions by IDP Education on Higher Education is conducted with participants from various Canadian Universities/Institutes	27th May 2020
19	Certification Workshop on "E-Commerce Analytics" by Basecamp Skill Labs is conducted for 36 Interested Students (across all schools)	9th - 16th July 2020
20	A webinar on Higher Studies abroad by IDP Education was organized for 40 students	17th July 2020

21	A webinar on Career Opportunities in Draft Japan, Japan was organized for B.Tech 2016-20 students	20th July 2020
22	A Master Class HR Series on the topic “Leading Through Disruption”	22nd July 2020
23	BMU Leadership Summit, themed “Navigating Workplace Turbulence” is conducted on 21st – 22nd Aug. 2020	21st - 22nd August 2020
24	International University Day in organized on 29th Aug. 2020 where 06 foreign Universities participated & provided the guidance to our students for their higher studies aspiration. i. Arizona State University, USA (QS Ranking - 215) ii. Colorado State University, USA (QS Ranking - 206) iii. Ohio State University, USA (QS Ranking - 101) iv. Queen Mary University of London, UK (QS Ranking - 126) v. University of Greenwich, UK (QS Ranking - 700) vi. Trinity College, Dublin, Ireland (QS Ranking - 108)	29th August 2020
25	International University Day: Round 2 in organized on 5th Sep. 2020 with participation from 02 Universities. University of Sydney, Australia (QS Rank -42) University of Groningen, Netherlands (QS Rank - 114) Round 3 in organized on 12th Sep. 2020 with participation from 02 Universities. Illinois Institute of Technology, USA (QS Rank -426) Imperial College London (QS Rank - 8)	5th & 12th Sep. 2020
26	Workshop on Soft Skills Training (Self-Motivation) by Dr. Nandita Choudhury was organized for B.Tech 2017-21 batch students.	12th Sep. 2020
27	Guest Lecture by Dr. Ozgur H. Cinar, Associate Professor in law, University of Greenwich, UK was organized for LAW Students.	15th Sep. 2020
28	Workshop on Effective Resume Building by Prof. V.K. Nangia was organized for B.Tech 2017-21 batch students.	19th Sep. 2020
29	Workshop on SOP and LOR writing for International Universities by IDP Education was organized for all students.	19th Sep. 2020

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## FOUNDER`S DAY CELEBRATIONS

BMU celebrated its 4th Founder`s Day, organised, on 21st November 2019.

In honor of its Founder- Dr Brijmohan Lall Munjal Ji, BMU celebrated Founder`s Day. On this occasion, the E2/ Hamari Pari Scholarships to students and Achiever`s Award to Faculty, Staff and Students were given by the Hero MotoCorp.



## HAMARI PARI SCHOLARSHIP

1. The Hamari Pari scholarships encourage meritorious girl students from economically weaker sections of society to study Degree Programmes in BMU.
2. This scholarship is awarded to underprivileged but academically bright girls to study at BMU. BMU would specifically like to attract more and more girls to study engineering and management to help them in their holistic development to empower tomorrow's women through quality education.

S.No.	Registration No.	Student Name	Discipline	Branch
1	190C2020017	Tavva Saranya Lakshmi Priya Akhila	B.Tech	CS
2	190A3010003	Priyanka Rana	MBA	
3	190C2030054	Rithvika Gajavalli	B.Tech	CSE

## E-2 SCHOLARSHIPS

The scholarships are given to academically bright students (boys and girls) to empower them and help develop them as tomorrow's leaders—these scholarships awarded to a girl and a boy student from each programme every year

S.No.	Enrollment	Course	Stream	Student Name	Gender	CGPA
1	1800191C202	B.Tech	CSC	Victor Ghosh	Male	9.7
2	1800297C202	B.Tech	CSC	Vilekha Ghanta	Female	8.47
3	1800234C203	B.Tech	CSE	Manjunadh Kandavalli	Male	9.66
4	1800163C203	B.Tech	CSE	Kothapalli Sanjana	Female	8.09
5	1800286C204	B.Tech	ECE	Mogili Giridhar	Male	8.64
6	1800275C204	B.Tech	ECE	Akshita Sachdeva	Female	8.6
7	1800143C205	B.Tech	ME	Bhavya Tuteja	Male	8.83
8	1800323C205	B.Tech	ME	Nadella Harshini	Female	7.81
9	1800114A202	BBA	NA	Joel Mathew George	Male	8.15
10	1800115A202	BBA	NA	K Sree Manojna	Female	9.09
11	1800058A301	MBA	NA	Mani Rawat	Male	8.68
12	1800049A301	MBA	NA	Pranitrisha Chaplot	Female	8.74

## Achiever's Awards to Students

Programme /Branch	Student Name	Background
MBA-2nd Year	<b>Pranitrisha Chaplot</b>	Pranitrisha Chaplot, an MBA second-year student, has not only demonstrated academic brilliance throughout her studies, but also has been an active member in the successful execution of activities and events such as - HR Strings Meet, HR Panel Discussion (67th Milestone), Immersion Programs, MBA Trek, Entrepreneurship Talk - Paytm, Crystal Ball Panel Discussion on AI, Career Counselling, Paradigm Meet, and participation in many more events. She displayed utmost responsibility in shouldering executive positions in various committees like being a Placecom member, Campus Ambassador, TSEC Executive Committee member, and Council Member. However, her passion and calling for making a difference to the community-led her to be nominated for this award. As a part of the project - SANKALP, she and her team KOSHA conducted a training program on stitching cloth bags for 13 village women and working with them to get a business opportunity to generate employment opportunities for all the 13 women. To see rural women from village Khatawali, running a stitching business, made an outstanding contribution and led to a sustained and positive impact on the University, in line with the BMU's Mission, Vision & Values.
B.Com 3rd Year	<b>Sarthak Mittal</b>	Sarthak is an academically bright student, a student ambassador, and has been actively participating in the other activities. He was part of managing events such as The Hult Prize, 67th Milestone, Convocation & active member of UDAAN- a club that aims to empower humans.
B.Tech 4th Year	<b>Naman Bhalla</b>	Naman contributed significantly in building the morale of the students and showing what is achievable.
B.Tech 4th Year	<b>Abhishek Agarwal</b>	Abhishek published a research paper titled "Artificial Intelligence predicts phases in High Entropy Alloys" in the Journal of Materials Society, Springer along with Dr. Rao.

## Achiever's Awards to Faculty and Staff

### a) BMU Special Recognition

S.No.	Name	Dept. School	Recognition category	Citation
1	Dr. Jaya Ahuja	SOM	BMU Special Recognition	Prof. Jaya Ahuja has been instrumental in contributing to the overall vibrancy and fleet footedness at the school. She has been key to the academic and overall growth of undergraduate students at the school.

2	Dr. Kamal Kant Jain	SOET	BMU Special Recognition	Dr. Kamal Kant Jain has been for his outstanding contribution in the development of new B. Tech. curriculum for 2019-20 batch onwards. In addition to his regular responsibilities as a faculty, Dr. Jain accepted the additional responsibility of "Convener - Curriculum Development Committee" at very short notice and delivered the new curriculum with diligence, rigor, and compassion.
3	Dr. Pradeep Kumar Arya	SOET	BMU Special Recognition	Dr. Pradeep Kumar Arya has demonstrated excellent organisational skills in career development of the students. He has been largely instrumental in the growth of the placement statistics at BMU and much of this activity goes well beyond the call of duty. He volunteers for any requirement in the interest of the organisation.

**b) Research**

4	Dr. Sangita Choudhary	SOET	Research	Dr. Sangita Choudhary has worked very effectively to create a niche for herself in publishing very relevant, cutting edge academic research. She conducts research to investigate relevant problems in Financial Markets, Portfolio Diversification, Earnings Management, Behavioural Finance and Sustainability.
5	Dr. Abhimanyu Singh Rana	SOET	Research	Dr. Abhimanyu has shown exemplary performance in research in the last one year. He has authored and co-authored 4 publications in International Journals and filed 01 patent. One of his article has impact factor 15.6. He has 5 articles under publication with BMU affiliations. He has secured BMU Seed Grant project on "Low Dimensional Functional Material for Energy Storage Applications". He has one more project undergoing on thin films, surface engineering, and vacuum technology for Higher Education partnership sponsored by RAE UK. He has submitted five proposals for external funding to Govt. agencies including one consultancy project with industry. He is In-charge, Thin Film Deposition Lab, CAMD.

**b) Research**

6	Dr. Surya Prakash	SOET	All Rounder	<p>He is an all-rounder in its truest sense as he has taken courses like joy of Engineering, Quality Control and Reliability, Supply Chain Management, Industry 4.0 and guided 40+ projects. In the last academic year, he has published 5 research papers of which 2 are A category articles, written two book chapters with BMU affiliation. He is also awarded a BMU's Seed grant allocated project on "Health Assessment of Surface Grinding Machine for Industry 4.0 Applications".</p> <p>His major contribution in institutional services are, faculty in charge- Automobile club, Founder SAE Collegiate Club, In-Charge Tinkering lab, ARIIR Application team lead. He is supervising two PhD student's Dr Sanjiv Narula and Mr Vijay Prakash Sharma in BMU.</p>
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**d) Staff Excellence Award**

7	Mr. Jai Prakash Bhardwaj	Warden	Staff Excellence Award	<p>Mr. JP Bhardwaj is committed and puts in a lot of effort in looking after the hostels and students that are entrusted to him. In addition to his duties, he has been willingly and actively participating in all student life functions and actively organised and managed centrally arranged functions like the centrally organised Diwali Party for Staff &amp; Faculty. He takes on additional responsibilities willingly. He is a sportsman and has been actively motivating students to take up sports and playing with students in the sports field. He has recently planned and built an obstacle course on campus</p>
8	Arun Sharma	Warden	Staff Excellence Award	<p>Arun has been available to enable services and implement things and has displayed a tenacity for learning new technologies, experimenting with them to use them creatively. Specific examples include using S3 buckets to simplify the process of enabling marketing landing pages, implementing content caching on the website on AWS, implementing Type form for the student survey, and several other infrastructural initiatives such as the helpdesk.</p>

9	Sameer Raj Suhta	Exam	Staff Excellence Award	Sameer is working as an Examination Coordinator & has made a commendable contribution to the Examination Department in a short time. He has displayed enthusiasm to learn & grow professionally. He has worked tirelessly with an unfailingly cheerful, upbeat, and positive attitude to meet the deadlines.
10	Ms. Raisha Mukherjee	HR	Staff Excellence Award	Raisha has been Involved in the closure of 50 positions this year. She is a dependable and handy resource & has been very good at managing time and finishes the task within timelines
11	Mohit Saxena	CGDC	Staff Excellence Award	Mohit is a hard-working person and one of the strongest pillars of CGDC in terms of data handling, transmission, and a trained MIS generator. He is instrumental in implementing the communication platform effectively. Above all, a great team player with an honest and sincere approach always.
12	Monoj Dutta	SOM	Staff Excellence Award	Monoj has proven to be Mr. Dependable for the School of Management, someone who has managed his work very smoothly and has been a great helping hand to everyone at the School. He has a knack for organising things and can deliver even within tight deadlines.



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## 5<sup>th</sup> Annual Convocation

BML Munjal University virtually organized its 5th Annual Convocation on September 19, 2020, where **534 students from School of Management, School of Economics and Commerce and School of Engineering & Technology** were conferred with their graduation degrees on successful completion of B Tech, B Com, BBA & MBA programmes as per schedule, despite the coronavirus pandemic.

It was a day of virtual goodbyes and motivating speeches as BMU said goodbye to its outgoing batch of 2020. The graduating students marked the special celebrations and milestones from their homes to a brighter future.

The e-convocation was graced by the Chief Guest Mr. Sandeep Patil, Managing Director, IBM India-South Asia.

The ceremony was virtually attended by the Chief Guest Mr. Sandeep Patil, Managing Director, IBM India-South Asia, Chancellor Mr. Sunil Kant Munjal, Vice-Chancellor Prof Manoj K Arora, distinguished Board Members, Deans, Registrar, Faculty Members, Staff & Graduating Students.

The welcome address was delivered by Mr. Sunil Kant Munjal, Chancellor, BML Munjal University, and Chairman, Hero Enterprise. Congratulating the students, Chancellor, Mr. Sunil Kant Munjal, stated the Convocation ceremony “as a very special many ways for all the graduating students by dwelling on the fact that 2020 has shown a present which no one could have imagined as the future in the past. He spoke about the transition from university to a post-university life as being usually the most predictable transition. However, the year 2020 has thrown up challenges where the graduating students are stepping into an unpredictable world, an environment where the economy, businesses, has seen extreme changes. Life, in general, has completely been disruptive, He spoke of not remembering anything in living memory where a billion students around the world stop going to their classes, where every country on the planet at the same time was either locked up or partially locked up and the only people going out are those who were performing special roles either in the areas of health, security, delivery.

The Chancellor exhorted the graduating students to not allow a good crisis to go waste. Although it is clear some of these changes are temporary and will spring back in the next year or two when things get normal on the other hand, some things like systems, processes and habits will change forever.

He exuded confidence and hope that the time spent by the students at the campus, meant they have learnt the ethos & philosophy of the Founders' lifestyle, his nature, his habit, the value system that has been built as a part of the curriculum. The curriculum, the pedagogy, methodology & the environment, has made BMU a unique university. This has been recognized across the world, by the institutions, individuals, the organizations who have visited the campus and seen how experiential teaching and practical exposure to life is the underlying theme of whatever has been done here.”

The Chancellor wished all the graduating student and thanked Vice-Chancellor, Deans, faculty for putting in tremendous effort to create facilitating environment for each student to come out better than the day they walked into the University.

The Chancellor thanked the Chief Guest Mr. Sandeep Patel for making the time to be present despite the busy schedule, and for inspiring the students who are graduating in a challenging environment. It was inspiring to listen to Mr. Sandeep Patel who has seen many such ups & downs and experienced all kind of situations. Indeed, some life lessons will be very helpful and useful for the graduates.

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The Chancellor also thanked Members of the Advisory Board, Governing Board for continuously supporting BMU.

Vice-Chancellor, Dr (Prof) Manoj K Arora presented university report for the academic year 2019-20 listing down some of the key milestones achieved by the university in the last one year.

The Vice-Chancellor, Prof Manoj K Arora stated the academic year 2019-2020 had been productive on all fronts- teaching, research, innovation, partnerships, and placements of students. The leadership team, faculty, and staff have been working tirelessly to translate the vision of the governing body on the ground with only one objective, that is, to improve the quality of education and enhance the student experience. He congratulated the graduating students and expressed his confidence that the knowledge gained by them during their stay on the campus has equipped them with the necessary skills during their stay on the campus has equipped them with the necessary skills to excel in their profession and contribute to nation-building.

Prof Arora further added that in spite of wanting to organise the Convocation ceremony at the campus, the pandemic forced the authorities to organise the ceremony in online mode. However, he assured all the graduating students that as soon as the situation improves, there will be a grand celebration at an alumni event on campus.

Giving convocation address, Chief Guest Mr. Sandeep Patel congratulated the students passing out the class of 2020 of BMU and describing it as the road to new beginnings. He emphasised that technology is changing the entire ecosystem at a swift pace; there is an acceleration of digitization, new ecosystems which are getting created and students should be open to these changes & think of a way to capitalize on it. He shared five principles of his personal & professional life stating that "Change is the only constant," learn the "Art of collaboration," "Never let a crisis go to waste," be involved in the Pursuit for excellence," and Embrace technology

Mr. Sandeep Patel was felicitated with the "**Excellence in Digital Transformation & Management**" title.

Mr. Akshay Munjal, President, BML Munjal University concluded the ceremony by congratulating the graduates and encouraging them for their future ahead.

The event that was live on Zoom was witnessed by the parents and other family members of the students.

The ceremony celebrated and recognized that the new alumni not just braved the challenge of finishing their studies distantly during the COVID-19 pandemic but is also setting out on the next chapter of their lives in a changing world.

The meritorious students were awarded with Dr Brijmohan Lall Munjal Medals and Academic Excellence Medal.

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Dr. Brijmohan Lall Munjal Medals to the Best Outgoing Students



*Best Outgoing Student Medal  
School of Management*



*Prassang Goyal  
2017-2020*



*Best Outgoing Student Medal  
School of Economics & Commerce*



*Sarthak Mittal  
2017-2020*



*Best Outgoing Student Medal  
School of Engineering & Technology*

*Astha Sharma  
2016-2020*

**Academic Excellence Medal**



*Academic Excellence Medal  
School of Engineering & Technology*

*Shashank Mittal  
2016-2020*



*Academic Excellence Medal  
School of Engineering & Technology*



*Mayur Kinra  
2016-2020*



*Academic Excellence Medal  
School of Engineering & Technology*



*Astha Sharma  
2016-2020*



*Academic Excellence Medal  
School of Engineering & Technology*



*Raghavendra Sinha  
2016-2020*



*Academic Excellence Medal  
School of Engineering & Technology*



*Siddhant Mittal  
2016-2020*



*Academic Excellence Medal  
School of Management*



*Mani Rawat  
2018-2020*



*Academic Excellence Medal  
School of Management*



*Sarthak Mittal  
2017-2020*



*Academic Excellence Medal  
School of Management*



*Prassang Goyal  
2017-2020*



## 12. Audited Financial Accounts ( 2019-20)

**LODHA  
& CO**

Chartered Accountants

12, Bhagat Singh Marg, New Delhi - 110 001, India  
Telephone : 91 11 23710176 / 23710177 / 23364671 / 2414  
Fax : 91 11 23345168 / 23314309  
E-mail : delhi@lodhaco.com

### Independent Auditor's Report

TO THE MEMBERS OF BML Munjal University

### Report on the Audit of Financial Statements

We have audited the accompanying financial statements of BML Munjal University ("the University"), which comprise the balance Sheet as at 31st March, 2020, Income & Expenditure Account and Cash Flow Statement for the year then ended, and a summary of the significant accounting policies and other explanatory information.

### Opinion

In our opinion and to the best of our information and according to the explanations given to us, the said accounts, give a true and fair view of financial position or the University as at 31st March 2020 in conformity with the accounting principles generally accepted in India.

- In the case of Balance sheet, of the state of affairs of the University as at 31st March 2020;
- In the case of Income and Expenditure Accounts, of the deficit for the year ended on that date; and
- In the case of Cash Flow Statement, of the cash flows during the period.

### Basis of Opinion

We conducted our audit in accordance with the Standards on Auditing (SAs) issued by ICAI. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the University in accordance with the Code of Ethics issued by ICAI and we have fulfilled our other ethical responsibilities in accordance with the Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

### Management's Responsibility for the Financial Statements

The Management of the University is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance of the University in accordance with the accounting principles generally accepted in India.

This responsibility also includes maintenance of adequate accounting records for safeguarding the assets

or the University and for preventing and detecting Frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, Management of the University are responsible for assessing the University's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the University or to cease operations, or has no realistic alternative but to do so.



Kolkata Mumbai New Delhi Chennai Hyderabad Jaipur

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Those Management of the University are also responsible for overseeing the University's financial reporting process.

**Auditor's Responsibility**

Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with the Standards on Auditing Issued by Institute of Chartered Accountant of India, Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and the disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the University's preparation of the financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. An audit also includes evaluating the appropriateness of the accounting policies used and the reasonableness of the accounting estimates made by the University's Management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.

**We report that:**

- a. We have obtained all the information and explanations which, to the best of our knowledge and belief, were necessary for the purposes of our audit;
- b. In our opinion, proper books of account have been kept by the University so far as appeared from our examination of those books;
- c. The Balance Sheet, Income & Expenditure Account and Cash Flow Statement referred to in this report are agreement with the books of account.

For Lodha & Co.  
Chartered Accountants  
Firm Registration No. 301051E

(N.K Lodha)  
Partner  
Membership No. 085155  
UDIN: 20085155AAAAGD2271  
Place: New Delhi  
Date: 4/12/2020



**BML MUNJAL UNIVERSITY**  
2nd Floor, Tower 2, NBCC Plaza building, Sector - 5, Pushp Vihar, Saket, New Delhi - 110017  
**BALANCE SHEET AS ON 31st MARCH , 2020**

( Amount in ₹ )

PARTICULAR	SCHEDULE	As on 31st March, 2020	As on 31st March, 2019
<b>Source of Fund</b>			
<b>Corpus Fund</b>			
General Corpus	1	11,07,82,989	10,07,82,989
Designated and Restricted Funds	2	58,08,65,833	59,91,17,697
		<b>69,16,48,822</b>	<b>69,99,00,686</b>
<b>Non Current Liabilities</b>			
Long Term Provisions	3	76,21,289	60,47,571
Security Deposit Students	4	2,08,19,500	2,88,38,500
Vehicle Loan	5	-	8,32,256
		<b>2,84,40,789</b>	<b>3,57,18,327</b>
<b>Current Liabilities and Provisions</b>			
<b>Current Liabilities</b>			
Advance from Sponsoring Body	6	85,15,65,748	87,34,46,025
Advance Fee	7	11,24,41,934	12,73,80,228
Deposits	8	2,03,86,500	1,66,05,500
Sundry Creditors	9	5,39,97,081	6,29,37,646
Other Current Liabilities	10	4,67,71,800	4,76,58,436
Short Term-Borrowings	10A	15,17,00,000	-
Vehicle Loan	11	9,32,256	24,36,510
		<b>1,23,77,95,319</b>	<b>1,13,04,64,345</b>
Short Term Provisions	12	20,74,349	21,13,007
		<b>20,74,349</b>	<b>21,13,007</b>
<b>TOTAL</b>		<b>1,95,99,59,279</b>	<b>1,86,81,96,365</b>
<b>Application of Fund</b>			
<b>Non Current Assets</b>			
Property, Plant and Equipment	13	70,36,02,132	79,85,19,438
<b>Capital Work In Progress</b>	13	5,78,73,906	-
<b>Investment</b>	14	6,20,16,158	13,11,28,655
<b>Deposits</b>	15	5,45,570	55,37,370
<b>Current Assets</b>			
Cash & Bank Balance	16	17,72,18,580	2,12,56,507
Receiveables	17	80,22,258	68,38,908
Loan & Advances	18	1,03,63,334	1,59,16,368
Deposits	19	1,92,55,780	1,18,90,585
		<b>21,48,59,952</b>	<b>5,59,02,368</b>
<b>Income &amp; Expenditure Account</b>			
Brought Forward Loss		87,71,08,534	91,28,04,429
Add: Current Year Loss /( Profit)		4,39,53,027	(3,56,95,895)
		<b>92,10,61,561</b>	<b>87,71,08,534</b>
<b>TOTAL</b>		<b>1,95,99,59,279</b>	<b>1,86,81,96,365</b>

The above note form an integral part of balance sheet  
In terms of our report of even date attached

For Lodha & Co.  
Chartered Accountants  
Firm Registration No. 301051E

(N.K. Lodha)  
Partner  
M.NO- 085155

Place: New Delhi

Date: 11/12/2020



For and on behalf of BML Munjal University

(Sunil Kant Munjal)  
Chancellor

(Naveen Parasar)  
CFA

**BML MUNJAL UNIVERSITY**  
 2nd Floor, Tower 2, NBCC Plaza building, Sector - 5, Pushp Vihar, Saket, New Delhi - 110017  
**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH , 2020**

( Amount in ₹ )

PARTICULARS	SCHEDULE	As on 31st March, 2020	As on 31st March, 2019
<b>INCOME</b>			
Student Fees	20	29,21,37,031	38,48,23,613
Lodging & Boarding	21	18,85,39,673	21,62,29,426
Other Fees - Student	22	2,47,25,435	2,44,71,043
Other Income	23	13,32,63,123	3,91,46,910
Interest Income	24	79,57,505	91,32,938
<b>TOTAL</b>		<b>64,66,22,767</b>	<b>67,38,03,930</b>
<b>EXPENDITURE</b>			
Establishment Expenses	25	16,37,12,965	16,20,64,150
Personnel Expenses	26	28,26,63,142	26,50,09,246
Administrative Expenses	27	20,86,76,489	17,47,70,509
Interest on Loan	28	42,59,697	7,88,721
Depreciation	13	3,12,63,501	3,54,75,409
<b>TOTAL</b>		<b>69,05,75,793</b>	<b>63,81,08,035</b>
Excess of Expenditure over Income transferred to Corpus		(4,39,53,027)	3,56,95,895

The above note form an integral part of profit and loss account  
 In terms of our report of even date attached

For Lodha & Co.  
 Chartered Accountants  
 Firm Registration No. 301051E

(N.K. Lodha)  
 Partner  
 M.NO- 085155

Place: New Delhi  
 Date: 14/12/2020



For and on behalf of BML Munjal University

(Sunil Kant Munjal)  
 Chancellor

(Naveen Parasar)  
 CAFO

**BML MUNJAL UNIVERSITY**  
2nd Floor, Tower 2, NBCC Plaza building, Sector - 5, Pushp Vihar, Saket, New Delhi - 110017  
**CASH FLOW STATEMENT FOR THE YEAR ENDED 31st MARCH, 2020**

	(Amount in ₹)	
Particular	As on 31st March, 2020	As on 31st March, 2019
<b>I. Cash Flow From Operating Activities :</b>		
<b>Net (Loss)/ Profit before Tax and Extraordinary items</b>	(4,39,53,027)	3,56,95,895
<b>Add:</b>		
Depreciation	3,12,63,501	3,54,75,409
Provisions for Expenses	1,98,09,709	1,65,79,590
Loss on Disposal of Assets	0	12,60,794
Misc Balance written off	7,54,945	8,00,575
TDS Adjustment w/off	0	1,46,143
Profit on redemption of mutual fund	(12,99,362)	0
Provision for Gratuity	5,70,329	15,19,325
Provision for Leave encashment	47,92,415	32,65,546
<b>Operating Profit Before Working Capital Changes</b>	<b>1,19,38,510</b>	<b>9,47,43,277</b>
Decrease /(Increase) in Receivables	(19,38,295)	84,02,125
Decrease /(Increase) in Loans & Advances	55,53,034	1,67,87,930
Decrease /(Increase) in Deposits	(73,65,195)	(49,80,320)
Increase /(Decrease) in Advance Fees	(1,49,38,294)	18,91,292
Increase /(Decrease) in Deposits	37,81,000	61,24,000
Increase /(Decrease) in Creditors	(89,40,565)	17,93,115
Increase /(Decrease) in Other Current Liabilities	(2,06,96,345)	(1,55,61,434)
Increase /(Decrease) in Provisions	(21,13,007)	(18,12,901)
Increase /(Decrease) in Advances	(2,18,80,278)	(2,75,06,739)
<b>Changes in Working Capital</b>	<b>(6,85,37,945)</b>	<b>(1,48,62,932)</b>
<b>Changes in non current assets and liabilities</b>		
Increase /(Decrease) in Security Deposit	(80,19,000)	(39,11,000)
Decrease /(Increase) in Deposits	49,91,800	28,62,126
Increase /(Decrease) in Long term Provision	(17,14,677)	(11,27,126)
Increase /(Decrease) in Designated fund	5,32,85,938	1,03,85,532
<b>Changes in non current assets and liabilities</b>	<b>4,85,44,061</b>	<b>82,09,532</b>
<b>Net Cash Flow from operating activities</b>	<b>(80,55,374)</b>	<b>8,80,89,877</b>
<b>II. Cash Flow From Investing Activities</b>		
Purchase of fixed Assets	(78,83,997)	(8,66,92,891)
CWIP	(5,78,73,906)	-
[Purchase]/ Redemption of Mutual Funds	6,21,60,726	(6,08,61,364)
<b>Net Cash Flow From Investing Activities</b>	<b>(35,97,177)</b>	<b>(14,75,54,255)</b>
<b>III. Cash Flow from Financial Activities</b>		
Increase /(Decrease) in Loan Vehicle	(23,36,510)	(21,51,750)
Corpus Funds Received	1,00,00,000	50,00,000
Increase /(Decrease) in Overdraft	15,17,00,000	-
<b>Net Cash Flow from Financial Activities</b>	<b>15,93,63,490</b>	<b>28,48,250</b>
<b>Net Increase/ Decrease in Cash &amp; Cash Equivalents</b>	<b>14,77,10,940</b>	<b>(5,66,16,128)</b>
<b>Add: Cash and Cash Equivalents at the beginning of the financial year</b>	<b>9,15,23,798</b>	<b>14,81,39,926</b>
<b>Cash and Cash Equivalents at the end of the financial year.</b>	<b>23,92,34,738</b>	<b>9,15,23,798</b>
<b>Details of Cash &amp; Cash Equivalents at the end of the year</b>		
i) Cash in Hand	48,628	1,00,403
ii) Balance in Saving Account with Scheduled Bank	17,71,69,952	2,11,56,104
iii) Fixed Deposit with Scheduled Bank	6,20,16,158	7,02,67,291
	<b>23,92,34,738</b>	<b>9,15,23,798</b>

The above note form an integral part of balance sheet  
In terms of our report of even date attached

For Lodha & Co.  
Chartered Accountants  
FRN-301051E

(N.K. Lodha)  
Partner  
M.NO.- 085155  
Place: New Delhi  
Date: 11/12/2020

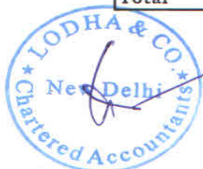


For and on behalf of BML Munjal University

(Sunil Kant Munja (Naveen Parasar)  
Chancellor CFAO

**BML MUNJAL UNIVERSITY**  
 2nd Floor, Tower 2, NBCC Plaza building, Sector - 5, Pushp Vihar, Saket, New Delhi - 110017  
 Schedules forming integral part of the Financial Statements .

	Amount in ₹	
<b>SCHEDULE 1</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Corpus fund</b>		
Op. Balance	10,07,82,989	9,57,82,989
Additions during the Year	1,00,00,000	50,00,000
<b>TOTAL</b>	<b>11,07,82,989</b>	<b>10,07,82,989</b>
<b>SCHEDULE 2</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>A. Restricted Funds</b>		
Project Funds	32,00,784	38,29,461
<b>B. Designated Funds</b>		
CSR Assets Plant & Machinery	11,90,66,324	14,00,78,028
CSR Assets Office Equipment	20,88,966	24,57,607
CSR Assets Computers & Laptops	26,65,520	44,42,534
CSR Assets Furniture & Fixture	31,60,478	35,78,273
CSR Assets Building	28,66,40,157	31,84,89,063
Building Fund - T6 Hero Group	6,45,08,360	-
Project Fund - Hero Group	9,85,92,332	11,47,06,069
Hero Scholarship Fund	-	1,12,65,657
Distressed Policy Fund	9,42,912	2,71,000
<b>TOTAL</b>	<b>58,08,65,833</b>	<b>59,91,17,697</b>
<b>SCHEDULE 3</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Long Term Provisions</b>		
Leave Encashment Payable - Non Current	76,21,289	60,47,571
<b>Total</b>	<b>76,21,289</b>	<b>60,47,571</b>
<b>SCHEDULE 4</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
Security Deposit Students	2,08,19,500	2,88,38,500
<b>Total</b>	<b>2,08,19,500</b>	<b>2,88,38,500</b>
<b>SCHEDULE 5</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Non - Current</b>		
Loan - Vehicle	-	8,32,256
<b>Total</b>	<b>-</b>	<b>8,32,256</b>
<b>SCHEDULE 6</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
Advance from Sponsoring Body	85,15,65,748	87,34,46,025
<b>Total</b>	<b>85,15,65,748</b>	<b>87,34,46,025</b>
<b>SCHEDULE 7</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Advance Fee</b>		
Advance Tution Fee	7,73,23,375	8,05,30,221
Advance Room Charegs	2,04,41,113	2,76,31,434
Advance Food Charge	1,26,01,000	1,73,03,000
Other Advance	20,76,446	19,15,573
<b>Total</b>	<b>11,24,41,934</b>	<b>12,73,80,228</b>
<b>SCHEDULE 8</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Deposits</b>		
Student Security Deposits - Current	1,48,36,500	1,30,05,500
Others Deposits & Advances- Students	55,50,000	36,00,000
<b>Total</b>	<b>2,03,86,500</b>	<b>1,66,05,500</b>
<b>SCHEDULE 9</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Creditors</b>		
Creditors For Expenses	5,26,53,885	6,15,94,524
Others Creditors	13,43,196	13,43,122
<b>Total</b>	<b>5,39,97,081</b>	<b>6,29,37,646</b>
<b>SCHEDULE 10</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Other Current Liabilities</b>		
Audit Fee Payable	3,38,600	4,50,000
Duties & Taxes	45,07,427	54,46,751
Salary & Wages Payable	1,48,24,652	1,84,70,864
LTA Payable	16,87,013	14,76,937
EPF & PF & ESI Payable	10,33,078	10,27,637
Other Expenses Payable	2,43,81,030	1,83,91,172
Advance Summer Programme	-	23,95,075
<b>Total</b>	<b>4,67,71,800</b>	<b>4,76,58,436</b>





**BML MUNJAL UNIVERSITY**  
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 Schedules forming integral part of the Financial Statements .

Amount in ₹

<b>SCHEDULE 10A</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Short Term-Borrowings- Secured</b>		
Overdraft*	15,17,00,000	-
<b>Total</b>	<b>15,17,00,000</b>	<b>-</b>

\*Company has overdraft facility with HDFC Bank having exclusive charge on Current Assets and repayable on demand.

<b>SCHEDULE 11</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Current</b>		
Loan - Vehicle- Secured *	9,32,256	24,36,510
<b>Total</b>	<b>9,32,256</b>	<b>24,36,510</b>

\* Hypothecated against Vehicle and balance repayable durind 12 months

<b>SCHEDULE 12</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Provisions</b>		
<b>Short Term Provisions</b>		
BMU Employee Gratuity Trust	5,70,329	15,19,325
Leave Encashment Payable - Current	15,04,020	5,93,682
<b>Total</b>	<b>20,74,349</b>	<b>21,13,007</b>

<b>SCHEDULE 14</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Investments</b>		
FDR with Scheduled Banks	6,14,09,654	6,94,23,026
Intrest Acured On FDR	6,06,504	8,44,265
Mutual Funds	-	6,08,61,364
<b>TOTAL</b>	<b>6,20,16,158</b>	<b>13,11,28,655</b>

<b>SCHEDULE 15</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Deposit</b>		
Rent	-	55,37,370
Rent - Non Current	45,570	-
Security Deposit - Bar Council of India	5,00,000	-
<b>TOTAL</b>	<b>5,45,570</b>	<b>55,37,370</b>

<b>SCHEDULE 16</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Cash &amp; Bank Balances</b>		
Cash in Hand	48,628	1,00,403
Cash at Bank	17,71,69,952	2,11,56,104
<b>TOTAL</b>	<b>17,72,18,580</b>	<b>2,12,56,507</b>

<b>SCHEDULE 17</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Receivables</b>		
Student Fees Receiveables	64,98,835	28,57,830
Other Receiveables	15,23,423	39,81,078
<b>Total</b>	<b>80,22,258</b>	<b>68,38,908</b>

<b>SCHEDULE 18</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Loans &amp; Advances</b>		
Advance to Suppliers	20,59,422	72,58,833
Imprest	39,026	2,36,730
Prepaid Subscription & Expenses	74,93,323	82,55,150
PAY U A/c	31,500	1,65,655
Seed Grant Project	7,40,063	-
<b>TOTAL</b>	<b>1,03,63,334</b>	<b>1,59,16,368</b>

<b>SCHEDULE 19</b>	<b>As on 31st March, 2020</b>	<b>As on 31st March, 2019</b>
<b>Deposit</b>		
Security Deposit - Others	35,19,870	35,19,870
Rent	54,91,800	-
TDS Recoverable	1,02,44,110	83,70,715
<b>Total</b>	<b>1,92,55,780</b>	<b>1,18,90,585</b>





**BML MUNJAL UNIVERSITY**

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Schedules forming integral part of the Financial Statements

Amount in ₹

SCHEDULE 20	As on 31st March, 2020	As on 31st March, 2019
<b>Tuition Fees</b>		
Tuition Fees	36,40,85,250	38,48,23,613
Scholarship Fees	(8,32,13,876)	(8,87,34,344)
Contribution from Hero Scholarship Fund	1,12,65,657	8,87,34,344
<b>TOTAL</b>	<b>29,21,37,031</b>	<b>38,48,23,613</b>

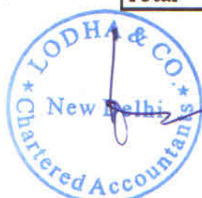
SCHEDULE 21	As on 31st March, 2020	As on 31st March, 2019
<b>Lodging &amp; Boarding</b>		
Room Charges	12,11,43,816	13,60,31,702
Food Charges	6,73,95,857	8,01,97,724
<b>Total</b>	<b>18,85,39,673</b>	<b>21,62,29,426</b>

SCHEDULE 22	As on 31st March, 2020	As on 31st March, 2019
<b>Other Fees - Students</b>		
Application Fee	43,72,600	43,89,670
Registration Fee	61,05,000	32,15,000
Recourse Examination Fee	14,60,000	20,61,000
Other income	1,27,87,835	1,48,05,373
<b>TOTAL</b>	<b>2,47,25,435</b>	<b>2,44,71,043</b>

SCHEDULE 23	As on 31st March, 2020	As on 31st March, 2019
<b>Other Income - Indirect Income</b>		
Other Income-Indirect	78,38,123	6,44,523
Executive Development Programme	2,50,00,000	1,81,04,355
Donation Received	10,04,25,000	2,03,98,032
<b>TOTAL</b>	<b>13,32,63,123</b>	<b>3,91,46,910</b>

SCHEDULE 24	As on 31st March, 2020	As on 31st March, 2019
<b>Interest Income</b>		
Bank Interest	25,15,447	28,96,553
Interest on FDR	38,50,847	42,40,757
Income from Mutual Funds	12,99,362	19,95,628
Others Interest	2,91,849	-
<b>TOTAL</b>	<b>79,57,505</b>	<b>91,32,938</b>

SCHEDULE 25	As on 31st March, 2020	As on 31st March, 2019
<b>Establishment Expenses</b>		
Consumable Items	25,80,080	15,20,974
Electricity Expenses	2,12,20,816	1,91,10,974
Lodging & Boarding	4,77,14,784	5,05,58,578
DG Set Running & Maint.	44,35,517	47,40,293
Repair & Maintenance Charges	2,89,82,297	3,10,54,596
Horticulture Expenses	47,74,345	39,73,725
Housekeeping Expenses & Materials	3,35,64,897	2,96,34,673
Laundry Expense	40,24,793	55,65,258
Machinery/ Equipment Rental	16,70,697	11,43,678
Watch & Ward Charges	1,47,44,739	1,47,61,401
<b>Total</b>	<b>16,37,12,965</b>	<b>16,20,64,150</b>



**BML MUNJAL UNIVERSITY**

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Schedules forming integral part of the Financial Statements

SCHEDULE 26	Amount in ₹	
	As on 31st March, 2020	As on 31st March, 2019
<b>Personnel Expenses</b>		
EPF & PF Charges	68,10,993	67,53,011
Gratuity	5,70,329	15,19,325
Leave Encashment	47,92,415	32,65,546
Medical Insurance Expenses	16,70,246	19,57,105
Professional Development Allowance	17,68,303	27,39,980
Faculty Retreat Exp.	15,40,141	-
Salaries and Wages	24,26,28,249	22,87,14,313
Driver Expenses	80,649	1,54,922
Festival Celebration	8,33,433	10,67,685
Staff Welfare Expenses	8,49,403	9,93,689
Visiting Faculty-Professional Fee	2,11,18,981	1,78,43,670
<b>TOTAL</b>	<b>28,26,63,142</b>	<b>26,50,09,246</b>

SCHEDULE 27	Amount in ₹	
	As on 31st March, 2020	As on 31st March, 2019
<b>Administrative Expenses</b>		
Audit Fee & Expenses	4,83,899	6,05,480
Convocation & workshops	96,89,676	1,06,06,220
Office Lease Rent	1,31,92,643	1,37,68,786
Gift Expenses	2,10,115	2,47,570
Freight Charges	-	14,750
Guest House Expenses	26,392	18,153
Honorarium Expenses	1,20,065	1,37,930
Hotel Staying Charges	3,67,457	4,48,207
Inspection & Recognition Fee	4,35,031	11,50,000
Insurance Expenses	10,11,922	9,73,075
International Collebaration	1,73,212	2,67,330
Internet Charges & Telephone charges	45,76,593	45,24,744
Donation	1,67,412	-
Lab Expenses	4,30,812	12,40,782
Licence Fees	58,81,102	35,28,790
Legal, Law Cost & Stamp Expense	10,567	1,07,338
Local Conveyance	23,60,877	17,18,620
Loss on Dispose of Assets	-	12,60,794
Marketing & Promotional Exp.	8,33,86,212	5,66,17,892
Membership Fee	14,74,374	14,59,515
Misc. Balances Written Off	-	9,46,718
Misc. Expenses	4,72,233	2,71,993
Orientation Exp	4,26,276	6,77,960
Parking & Toll Exp	73,586	57,460
Postage & Courier Charges	1,25,654	1,81,979
Printing & Stationary Charges	26,73,041	26,23,274
Professional & Consultancy Charges	3,14,54,481	4,05,69,254
Rates and Taxes	2,70,808	2,70,809
Recruitment Expenses	21,63,364	42,93,827
Academic Support Charges	1,63,32,762	-
Shifting Expenses	3,06,530	5,32,266
Students Books & Welfare	61,13,203	64,89,302
Subscription Charges	71,49,113	62,34,473
Training & Research Expenses	71,13,592	24,53,278
Travelling Expense	91,52,557	96,17,756
Vehicles Running & Maintenance	4,23,773	2,92,061
Website Domain Charges	3,56,735	5,04,121
Bank Charges	70,420	58,002
<b>TOTAL</b>	<b>20,86,76,489</b>	<b>17,47,70,509</b>

SCHEDULE 28	Amount in ₹	
	As on 31st March, 2020	As on 31st March, 2019
Interest on Loan	42,59,697	7,88,721
<b>TOTAL</b>	<b>42,59,697</b>	<b>7,88,721</b>



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**BML MUNJAL UNIVERSITY**

Schedules forming part of the financial statements for the year ended March 31, 2020

SCHEDULE – 29

**Significant accounting policies and notes to the financial statements**

**A. SIGNIFICANT ACCOUNTING POLICIES**

**1. Organization and nature of operations**

BML Munjal University is a private, not for profit institution of higher education set up under license from Haryana Private Universities Act 2006, on 2<sup>nd</sup> May 2014, vide Gazette Notification No. 24/2014. The university includes the School of Engineering and School of Commerce offering courses for both undergraduate and post graduation.

The University is registered under section 12AA of the Income tax Act, 1961 (the 'Act') as a Charitable Body carrying out educational activity.

**2. Basis of preparation**

The financial statements are prepared under the historical cost convention, on accrual basis of accounting in accordance with the generally accepted accounting principles in India, and the Indian Accounting Standards as applicable.

**3. Funds**

The University has received donation of INR 10,000,000 towards corpus fund during the financial year.

The University reports funds as restricted if they are received with donor stipulations that limit the use of the fund. Accordingly the grants received for research and related activities are reported as Project Funds in the financial statements. The University during the year has received "Building Funds – T6 Hero Group" of INR 6,00,00,000.

Donations received in the form of Property, Plant & Equipment is are recognized in the books as Designated Funds at the cost incurred by the donor in creating/acquiring these assets.

Donations received towards scholarship for meritorious and economically weaker students are recognized in the books as Restricted Funds. Scholarship awarded during the year is appropriated from this fund to the extent available.



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**BML MUNJAL UNIVERSITY**

Schedules forming part of the financial statements for the year ended March 31, 2020

**SCHEDULE – 29**

**4. Property, Plant & Equipment, Depreciation and Impairment**

**Tangible assets**

Property, Plant & Equipment are stated at cost or revalued amount less accumulated depreciation and impairment losses. Cost comprises the purchase price and any attributable costs of bringing the assets to their working condition for their intended use.

Land & Building provided by Sponsoring Body M/s BML Educorp Services for the benefit of BML Munjal University is not recorded in the financial statements. The University has the right to use of land and building being owned by the Sponsoring Body.

**Intangible assets**

Computer software which is not an integral part of the related hardware is classified as an intangible asset.

**Depreciation**

Depreciation and amortization on Property, Plant & Equipment is provided as per the provisions/rates prescribed under section 32 of Income Tax Act, 1961.

Depreciation on the assets received as donation is appropriated out of the related Designated Funds at the end of each reporting period.

**Impairment**

The University assesses at each balance sheet date whether there is any indication that an asset may be impaired. If any such indication exists, the University estimates the recoverable amount of the asset. If such recoverable amount of the asset is less than its carrying amount, the carrying amount is reduced to its recoverable amount. The reduction is treated as an impairment loss and is recognized in the income and expenditure account. If at the balance sheet date there is an indication that if a previously assessed impairment loss no longer exists, the recoverable amount is reassessed and the asset is reflected at the recoverable amount subject to a maximum of depreciated historical cost.



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**BML MUNJAL UNIVERSITY**

Schedules forming part of the financial statements for the year ended March 31, 2020

**SCHEDULE – 29**

**5. Capital work in progress**

Capital work in progress includes advances paid to acquire Property, Plant & Equipment and the cost of Property, Plant & Equipment that are not ready for the intended use as at the Balance Sheet date.

**6. Investments**

Investments that are readily realizable and intended to be held for not more than a year are classified as current investments. All other investments, if any, are classified as long-term investments. Current investments are carried at lower of cost and fair value determined on an individual investment basis. Long-term investments are carried at cost.

**7. Liabilities**

Long term liabilities on account of security deposit are being reported as "Current Liabilities" in the financial statements. Other liabilities are reported as "current" and "non-current" depending on the short term or long term nature of the liability.

**8. Revenue recognition**

**Student Fee**

Income from fees received from students is recognized over the period of instruction.

**Admission fee**

Income from non - refundable admission fees received from the students is recognized as income in the year of receipt

**Food and Room Charges**

Charges for food and room received from students are recognized over the period of instruction.



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## BML MUNJAL UNIVERSITY

Schedules forming part of the financial statements for the year ended March 31, 2020

### SCHEDULE – 29

#### **Donation**

Income from donation is recognized on cash basis.

#### **Investment Income**

Interest income from investment is recognized on a time proportion basis taking into account amount outstanding and the rate applicable. Profit/loss on sale of investments is computed with reference to their actual cost.

#### **9. Retirement Benefits**

Expenses and liabilities in respect of employee benefits are recorded in accordance with Accounting Standard 15 Employee Benefits (Revised 2005).

##### **a) Provident fund**

All the employees are entitled to receive benefits under the provident fund, which is a defined contribution plan, in accordance with Employees Provident Fund and Miscellaneous Provisions Act, 1952. Both, the employee and the employer make monthly contributions to the plan at a predetermined rate of the employees' basic salary. The Company has no further obligations under the plan beyond its monthly contributions. These contributions are made to the Regional Provident Fund Commissioner.

##### **b) Gratuity**

Gratuity is a post employment defined benefit plan. The liability recognized in respect of gratuity is the present value of the defined benefit obligation at the balance sheet date less the fair value of plan assets, together with adjustments for unrecognized actuarial gains or losses and past service costs. The defined benefit obligation is calculated annually by actuaries using the projected unit credit method. Actuarial gains and losses arising from experience adjustments and changes in actuarial assumptions are charged or credited to the profit and loss account in the year in which such gains or losses arise.



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**BML MUNJAL UNIVERSITY**

Schedules forming part of the financial statements for the year ended March 31, 2020

**SCHEDULE – 29**

The University contributes Funds to the approved Employee Gratuity Trust for the sole purpose of provision of a gratuity to its employees. The University contribution to the Trust Funds as envisaged under Part C of the Fourth Schedule of the Income Tax Act, 1961 is as per the independent actuarial valuation of gratuity liability.

**c) Compensated absence**

The University measures and recognizes the liability in respect of the expected cost of accumulating compensated absences as the additional amount that it expects to pay as a result of the unused entitlement that has accumulated at the balance sheet date.

**10. Provisions & Contingent liabilities**

The University creates a provision when there is a present obligation as a result of a past event that probably requires an outflow of resources and a reliable estimate can be made of the amount of the obligation. Disclosure for a contingent liability is made when there is a present obligation that may, but probably will not, require an outflow of resources. Disclosure is also made in respect of a present obligation as a result of past event that probably requires an outflow of resource, where it is not possible to make a reliable estimate of the outflow. Where there is a present obligation in respect of which the likelihood of outflow of resources is remote, no provision or disclosure is made.

**11. Borrowing Costs**

Borrowing costs directly attributable to the acquisition and construction of qualifying assets are added to the cost upto the date when such assets are ready for their intended use. The other borrowing costs are recognized as expense in the period in which these are incurred.

**12. Foreign Exchange Transactions**

Transactions denominated in foreign currencies are recorded at the exchange rate prevailing on the date of the transaction. At the year-end, monetary items denominated in foreign currencies are converted into rupee equivalent at the year-end exchange rates. All exchange differences arising on settlement/conversion of foreign currency transactions are recorded in the Income & Expenditure account.



## BML MUNJAL UNIVERSITY

Schedules forming part of the financial statements for the year ended March 31, 2020

### SCHEDULE – 29

#### B. NOTES TO THE FINANCIAL STATEMENTS

##### 1. Property, Plant and Equipment

2. As stipulated in the clause 5 of the Haryana Private Universities Act 2006, the Sponsoring Body had provided for the following Property, Plant and Equipment to the University.

<b>PARTICULARS</b>	<b>AMOUNT ( INR)</b>
Computer & Equipments	19,681,649
Books & Journals	2,418,273
Furniture & Fixture	23,726,026

##### 3. Advance from Sponsoring Body

Sponsoring Body had given an advance to the University. Out of the advance received an amount of INR 851,565,748 is payable on the balance sheet date. The amount is repayable on demand.

##### 4. Employee benefits

###### Provident Fund Contribution

The University has contributed INR 62,98,187 as employer share to the provident fund during the year.

###### Gratuity

Gratuity liability under the 'Payment of Gratuity Act, 1972' is accrued and provided for on the basis of an actuarial valuation made as at March 31, 2020.

<b>Assumptions</b>	<b>2020</b>	<b>2019</b>
Discount rate	6.65 %	7.70%
Expected return on assets	6.65 %	NIL
Withdrawal rate	10%	5% to 1%
Salary increases	5%	7%
Mortality	-----IALM (2012-14)----	





**BML MUNJAL UNIVERSITY**

Schedules forming part of the financial statements for the year ended March 31, 2020

**SCHEDULE – 29**

**Compensated Absences**

Provision for short-term compensated absences, where the absences are expected to occur within twelve months after the end of the period in which the employees render the related employee service is made based on un-availed leaves outstanding as on the balance sheet date.



5. The University has identified the micro and small enterprises based upon the information available, and there are no dues outstanding to these micro and small enterprises as at March 31, 2020. Further, no interest during the year has been paid or payable under the terms of the MSMED Act, 2006.

**For LODHA & Co.**

**For and on behalf of the BML MUNJAL UNIVERSITY**

**Chartered Accountants**

**Firm Registration No. 301051E**

  
  
**( N.K. Lodha )**  
**Partner**

  
**(Sunil Kant Munjal)**  
**(Chancellor)**

  
**(Naveen Parasar)**  
**(CFAO)**

**M NO- 085155**

**Place: New Delhi**

**Date: 14/12/2020**

## **BML MUNJAL UNIVERSITY**

**67<sup>th</sup> Milestone, NH-8, Dist. Gurugram - 122413, Haryana.**

**Toll-free no.: 1800-103-6888 | Website: [bmu.edu.in](http://bmu.edu.in)**