



BHAGWAN
MAHAVIR
UNIVERSITY

BHAGWAN MAHAVIR
COLLEGE OF COMPUTER
APPLICATION
ANNUALREPORT
2023-24



0261 - 6770123

dean.bmcca@b

www.bmusurat.ac.in



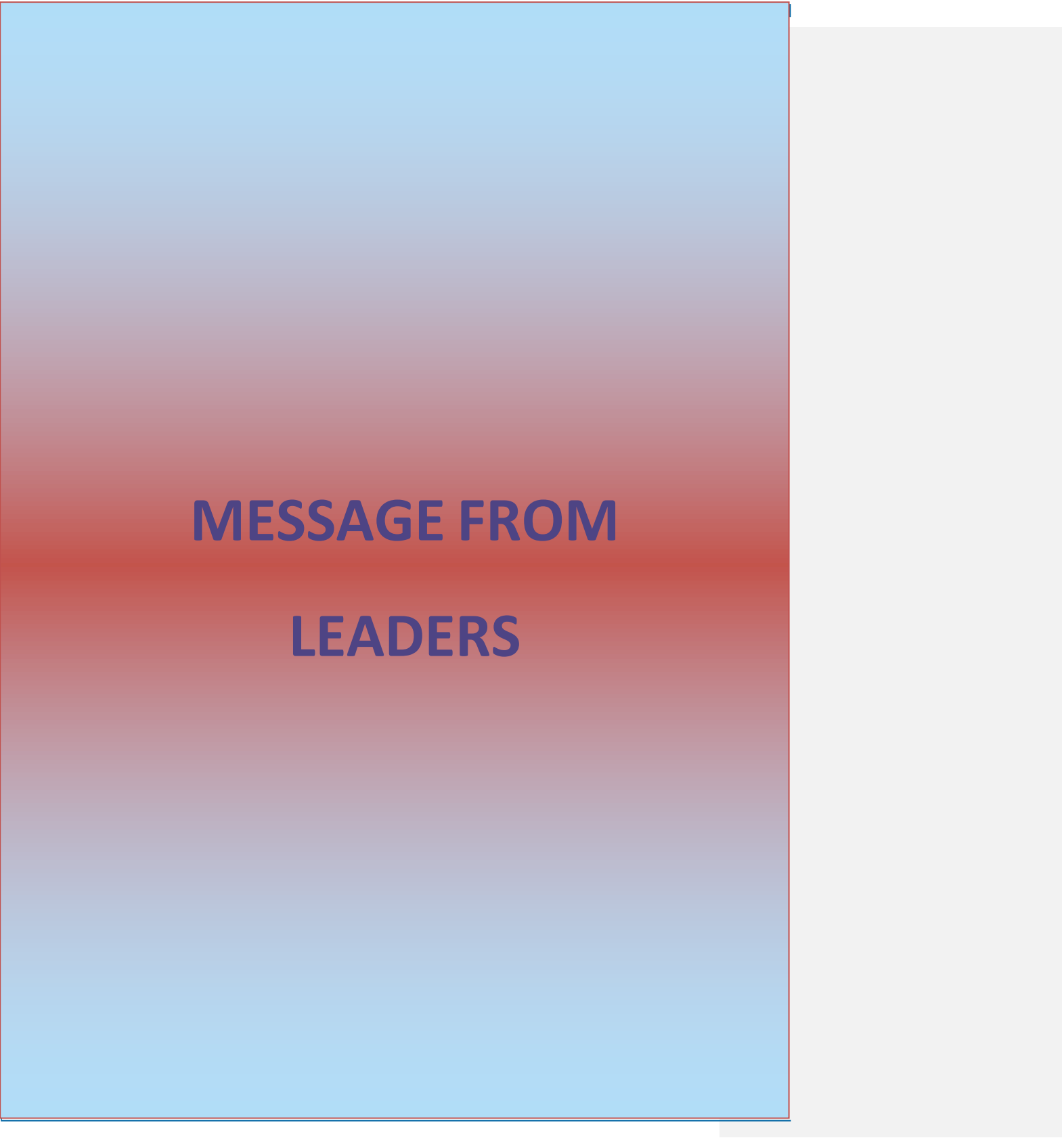
TABLE OF CONTENTS

Table of Contents

1.	5
2.	9
3.	13
4.	17
5.	28
6.	34
7.	39
8.	45
9.	48
10.	56
11.	62
12.	66
13.	70
14.	72
15.	75
16.	77
17.	80
18.	83
19.	86

GLOSSARY

BMU	<i>Bhagwan Mahavir University</i>
BMCCA	<i>Bhagwan Mahavir College of Computer Application</i>
BCA	<i>Bachelor of Computer Application</i>
B.Sc.	<i>Bachelor of Science</i>
M.Sc. (I.T.)	<i>Master of Science (Information Technology)</i>
M.Sc. (CS)	<i>Master of Science (Cyber Security)</i>
B.Sc. (DS)	<i>Bachelor of Science (Data Science)</i>
M.Sc.	<i>Master of Science</i>
I.T.	<i>Information Technology</i>
PG	<i>Postgraduate</i>
UG	<i>Undergraduate</i>
SSIP	<i>Student Startup & Innovation Policy</i>
BOS	<i>Board of Studies</i>
Bldg.	<i>Building</i>



MESSAGE FROM LEADERS

MESSAGE FROM LEADERS

Shri. Jagdish Jain
Chairman, BMU - Surat

Welcome to **BHAGWAN MAHAVIR University**. It is my privilege to introduce you to BMU-The fastest growing Educational Organization of Gujarat. By building people, we build society. By building leaders, we build the nation's technology and economy. Education is, in effect, a nation's service. At BMU, we believe only a well-disciplined, value added students to become the high profiled professionals who can achieve the avowed objective of our former president Honorable Abdul Kalam to make our country "Superpower".

Our institutions vision rests on worldly realities and bears a peaceful and harmonial atmosphere that enables you to experience wisdom and knowledge you achieve in a jubilant way. As you pursue



your studies, please do recall that a college education is not entirely academic. It extends beyond the classrooms, Laboratories and workshops to seminars, meetings, cultural, social activities, and athletic events. I firmly believe that you will become involved in BMU campus life and that you will also make some commitment to serve your community. Besides being a cause for campus and community development, the effort can be educationally rewarding and personally fulfilling.

I am pleased to acknowledge your interest in BMU Group of Institutions. At BMU foster the growth of innovative professionals, scientists and engineers who firmly hold the trust and confidence of the community at large. I want BMU Group to be the dream of every soul that wants to experience true enlightenment & exposure excellence.

With Best Wishes.

Shri. Anil Jain**Founder and Managing Trustee, BMU - Surat**

We at **Bhagwan Mahavir University** ensure that students acquire knowledge and their skills to shine bright in the world by their significant contribution to industry and academia. Apart from regular classroom teaching we emphasize on project work, research activities, real-life case studies and industrial hands-on training. Our university also works towards the continual improvement of our service quality through training and development. I am sure that BMU will have a pivotal role in the development of shining India.

Dr. Sanjay Jain**President, BMU– Surat**

It is with immense pleasure and privilege; I welcome you to **Bhagwan Mahavir University**. The University is a core part of BMEF, one of the leading educational group of Gujarat.

Bhagwan Mahavir University with its evergreen campus spread over 20 acres, conducts a variety of program at UG and PG level, besides Ph.D. program in the areas of Management, Engineering, Biotechnology, Computer Science-IT, Commerce, Journalism and Mass Communication, Fashion Design & Technology, Nursing, Architecture, Para-medical

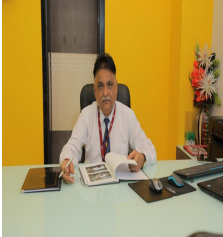
Sciences, Hospital Administration, etc. In addition to core and elective courses, the focus is on the holistic development of the students.

Bhagwan Mahavir University has instituted global standards in education, training and research with world-class infrastructure and latest teaching methodologies. With the mission to train the future leaders of the corporate world, the University strives to blend modernity with tradition in each one of its students. Every student of Bhagwan Mahavir University gets additional inputs in terms of foreign Languages, communication Skills, behavioral sciences, games and sports, military training, etc. to help attain the objective.

I invite you to be a part of this unique university and embark on a journey driven by exceptional pedagogy, inspiring faculty, global industry trends and deep-rooted human values.

Dr. Nirmal Sharma
Provost, BMU -Surat

It gives me great pleasure in extending my hearty welcome to all those who are seeking admission to various Programs of Bhagwan Mahavir University (BMU).



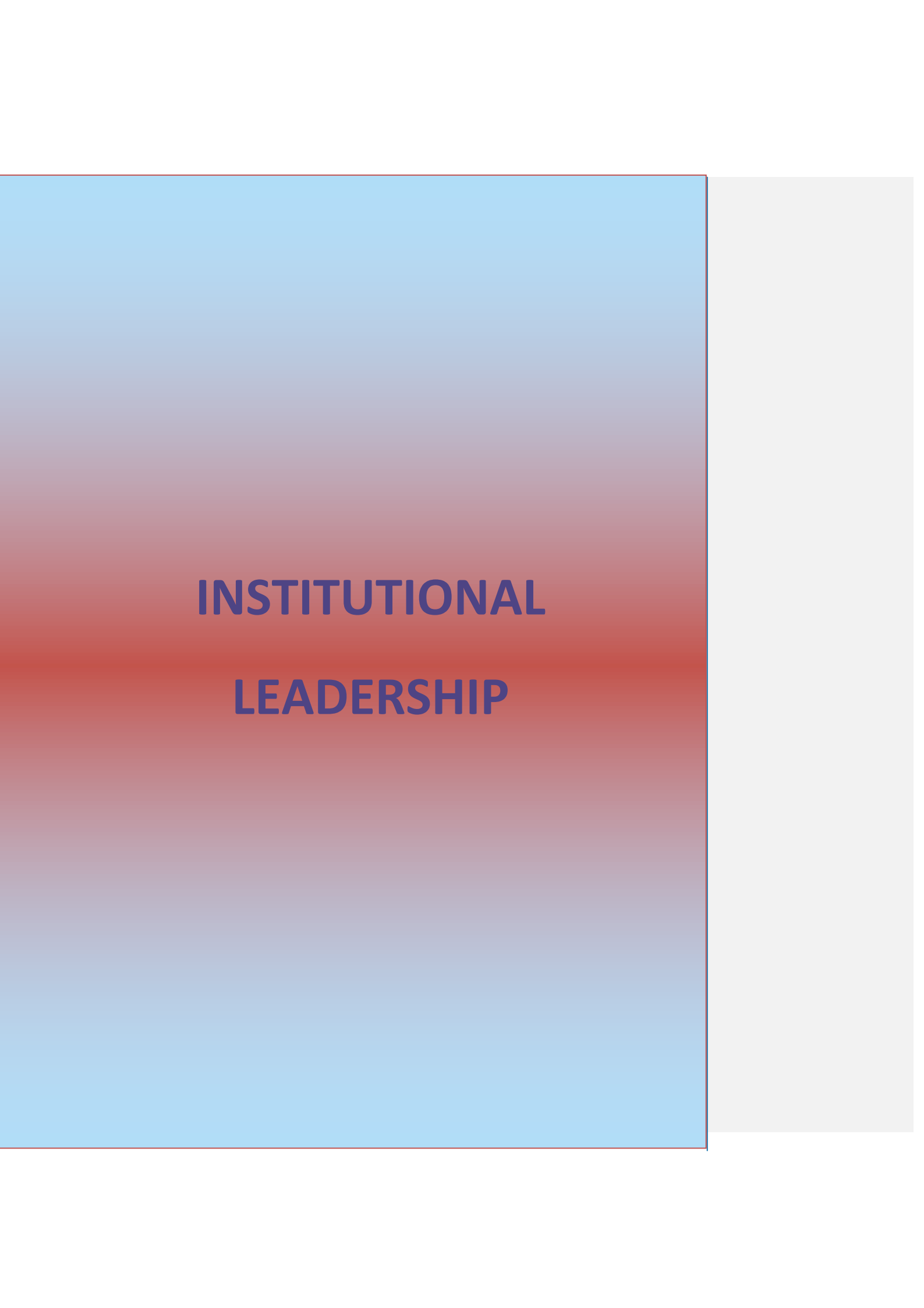
Bhagwan Mahavir University, a progressive and research-focused university is committed to teaching excellence with a focus on research and tailored course that makes education relevant to changing career dynamics. With distinguished faculty from across country, we have been able to make some formidable industry partnerships to make higher education even more meaningful.

We deeply value ethos that respect openness, inclusiveness, collegiality, and diversity. Our students and staff come from diverse backgrounds and cultures worldwide. Consequently, creating the right ambience and ecosystem on campus for a vibrant knowledge culture and intellectual system is also one of our very important priorities. We continuously strive to create the necessary enablers for the engagement and enrichment of students, staff, and community in knowledge enhancement, being industry ready and self-aware – thus making them holistic human beings....

Bhagwan Mahavir University provides ample career development opportunities with its partnership agreements with many industrial, business, and social organizations including Universities and Institutions abroad. The Career Development Cell guides the students to train themselves for great careers depending on the talent aptitude and life objectives. The mentor program at the University takes care of the personal, emotional and career needs of its students.

Bhagwan Mahavir University provides a disciplined, peaceful, and harmonious atmosphere that enables the students to experience the learning, knowledge, and wisdom they acquire. At the foundation of Bhagwan Mahavir University, talented professionals, faculty staff and students who with their creativity, ingenuity, and drive will join in advancing human knowledge and pursuing scientific discovery for the benefit of all. Although we have been successful in this journey to some extent however I believe this is just the beginning, the best is yet to come.

I am sure, with this excellent academic ambience, the admission-seekers will have a temple of learning and research in Bhagwan Mahavir University in pursuing the areas of study and research successfully.



INSTITUTIONAL LEADERSHIP

INSTITUTIONAL LEADERSHIP

Dr. Sanjay Buch
Dean, BMCCA– Surat



Greetings on behalf of Bhagawan Mahavir College of Computer Applications (BMCCA).

You all deserve compliments for selecting the BMCCA for shaping your career. We along with the all-faculties members are assuring you all to deliver the best teaching, learning, practical learning and keeping you, all updated with the latest market trend.

BMCCA has state-of-art infrastructures and classrooms. Our laboratories are equipped with latest computers. We are also planning to develop the specialized laboratories for Data Science, Cyber Security, and other PG Courses.

The BMCCA is running BCA and MSc (IT) and specialized courses in Cyber security and data sciences. The Syllabus of the Courses running at BMCCA are being designed with the help of eminent industries & academic experts. Our efforts are in the directions of keeping syllabuses are in line with the current trend so that our students become the leaders and good professionals.

Along with education, we are shaping the personality of students by providing opportunities Sports, Cultural events, Start-up and entrepreneurship related activities, technical workshops and intra college activities.

In the present era, life skills are most critical for shaping our career goals. We at BMCCA imparts the training and teaching of life skills from the first semester.

Industries connect and exposure is very much essential for the students and faculties to understand the working environment and expectations. At BMCCA we expose our students before the industries and practicing professionals through regular interactive sessions. This will provide an opportunity to the students for direct interactions with the industries experts.

Students are also educated related to the various government's schemes and initiative related funding & scholarship so that benefits can be availed by them.

BMCCA is also focusing the research & development on various subjects. BMCCA has many experienced PhD Faculties. Many faculty members are on the verge of completion or in their middle of their PhD Work. Faculties and Administration team members at BMCCA not leaving any loose end for supporting their students. We have a process to mentor the new faculties on various subject and teaching methodology by Senior faculty members.

BMCCA is premier institute for undertaking the computer education in the South Gujarat region. Our major focus and endeavor to establish the governance systems within the institution. We also support the working professional to improve their academic qualification through short term and diploma courses running during the evening duration.

Profile in Brief

Doctorate Degree in Computer Science with vast experience of 34+ Years in various industries and corporates which includes Reliance Industries Limited as Assistant Vice President and other role.

Certified Project Management Professional (Certified PMP®) a most valuable certification for managing IT and Other projects given by the Project Management Institute, USA, and ITIL V3 for ITSM (Information Technology Service Management) from ISEB-UK.

Worked as Professor in Computer Engineering and Information Technology Department of Engineering at College (CGPIT) and Chairman of University Training & Placement Cell.

Worked with HaardikNayak Group as Head – HR and Admin and CEO - Infinity Foundation.

Ms. Hetal R Modi
Academic Head, BMCCA– Surat



Greetings on behalf of Bhagwan Mahavir College of Computer Applications (BMCCA).

Bhagwan Mahavir College of Computer Application provides enthusiastic and brilliant undergraduate students with innovative learning opportunities to widen their intellect and inquisitiveness while rearing a soothing environment to get their degrees. We provide an enriched and various educational opportunities that permit our students to have cordial communication with their classmates as well as their teachers.

This way, students of our college take part in an exchange of ideas that expands their knowledge and perspectives while creating their own opinions.

Our students learn to develop the expertise necessary to meet the needs of the sophisticated and always changing technological society where we live. We prepare the students to embark on leadership roles at an early stage of their educational career and contribute to their eventual success in life as good citizens of the nation.

We truly follow through our dedicated teaching faculties to inculcate what Bhagwat Gita Says:
“According to Gita, one of the chief aims of education should be to affect a co-ordination between the individual and social aspects of things.”

ABOUT BMCCA

ABOUT BMCCA



After a remarkable journey of 15 years, financed and run by BMEF controlled by the executive board of trust, located at the open green field areas with beautiful location, it is highly recommended for technical studies. It also occupies a place among technical institutes of south Gujarat region.

Commented [1]: Change This Sentence, BMEF and BMU Mentioned

The College has excelled itself in many fields. It has occupied a prominent place in the education sphere of South Gujarat. The building surrounded by green fields and contained spacious classrooms, well documented library, a multipurpose hall, modern computer lab. The College has about 2000 students and 34 teaching, Non-Teaching and Technical staff.

3.1 Vision

Bhagwan Mahavir College of Computer Application aims to become diversified, market leaders and preferred institution within the country as well as global repute for the holistic development of community in the domain of Information Technology/Computer Science.

3.2 Mission

1. Major focus on holistic development of student's career
2. To become the diversified and multidisciplinary institution in the domain of Computer Application/Science
3. To develop the life-long community
4. To keep curriculum, Teaching & Learning pedagogy dynamic, agile, innovative and industry responsive
5. To focus more on Outcome based learning, industry collaboration and encouragement for entrepreneurship, innovation and start-ups

3.3 Quality Objectives

The College of Computer Application Shares University's overall mission of being a center of academic excellence by providing qualitative education and integrating training. The progressive and innovative faculty, through their teaching, scholarship and publication, leadership and service are fully committed to the provision of an educational environment which prepares individuals to become successful professionals. The main objective of our college is to help students meet their long-range needs as maturing professionals as well as their immediate needs upon entering the profession.

3.4 Strategies

1. Emphasis on faculty development in line with the change in technology
2. Assessment of Academic and governance continuously under the PDCA framework.
3. To keep curriculum dynamic, multidisciplinary and industry responsive.
4. To keep Institute Infrastructure updated to respond latest technological change
5. To provide diversified and innovative avenues for the holistic development of students as well as faculties.

6. Strengthening Industry-institute linkages and collaboration.
7. Strengthening Alumni connect and make them part of institutional development process.
8. To provide opportunities and platform to the students as well faculties to show case their talents/skill within and outside the country.
9. Focus on performance based evaluation and appraisal process within the Institute.
10. To establish Institutional advisory board comprising of eminent industries professionals and academicians.
11. To encourage and promote research, innovation and patenting within the Institute.

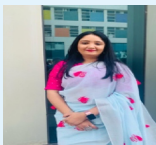
FACULTY PROFILE

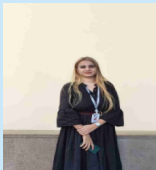
FACULTY PROFILE

BMCCA Team:

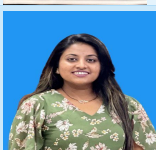
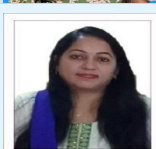
Sr. No	NAME	DESIGNATION	QUALIFICATION	YEAR OF EXPERIENCE	PHOTO
1	Dr. Sanjay H. Buch	Dean	PHD, PMP	36 Years	
2	Ms. Hetal R. Modi	Assistant Professor	M.Sc. (CS) PhD (Pursuing)	15 Years	
3	Ms. Sneha T. Patel	Assistant Professor	MCA PhD (Pursuing)	13 Years	
4	Dr. Himanshu Maniar	Associate Professor	PhD	18 years	
5	Mr. Jaynesh H. Desai	Assistant Professor	MCA Ph.D. (Pursuing) Cyber security IBM Certified	12 Years	
6	Mr. Sanket R. Trivedi	Assistant Professor	MCA	15 Years	

Sr. No	NAME	DESIGNATION	QUALIFICATION	YEAR OF EXPERIENCE	PHOTO
7	Dr. Tanvi Trivedi	Assistant Professor	Ph. D. Computer Science	Fresher	
8	Ms. Trijeka M.Talaviya	Teaching Assistant	MCA	2 Years	
9	Mr. Ravikumar J. Patel	Teaching Assistant	MCA	2 Years	
10	Ms. Saloni H. Dhimmarr	Teaching Assistant	M.Sc. Mathematics	2.5 Years	
11	Ms. Vaishnavi P Bhathawala	Teaching Assistant	MCA	1.2 Years	
12	Mrs. Krupa N. Patel	Teaching Assistant	MCA	9 years	
13	Ms. Bharti S. Mishra	Teaching Assistant	M.A	Fresher	
14	Ms. Kruti D. Patel	Teaching Assistant	BCA	Fresher	

Sr. No	NAME	DESIGNATION	QUALIFICATION	YEAR OF EXPERIENCE	PHOTO
15	Mrs. Nensi H.Modi	Teaching Assistant	MCA	Fresher	
16	Ms. Saifali S. Modi	Teaching Assistant	B.Tech IT M.Tech CE	9 Months	
17	Ms. Ishita A. Kosambia	Teaching Assistant	M.Sc.CS	Fresher	
18	Ms. Himanshi Patel	Teaching Assistant	M. Sc CS	1 year	
19	Ms. Khusbu S. Patel	Teaching Assistant	M. Sc CS	Fresher	-
20	Mrs. Vidhi K Desai	Teaching Assistant	M. SC	4 years	
21	Ms. Khushboo N. Jain	Teaching Assistant	MCA	2 Years	
22	Ms. Falguni N. Chaudhari	Teaching Assistant	MCA	1 year	-

Sr. No	NAME	DESIGNATION	QUALIFICATION	YEAR OF EXPERIENCE	PHOTO
23	Mrs. Bhumika A. Rana	Teaching Assistant	M. SC CA	2 years	
24	Ms. Khusboo D. Patel	Teaching Assistant	M. Sc IT	1.5 years	
25	Ms. Vandana Prajapati	Teaching Assistant	M. Sc IT	1.5 years	-
26	Mr. Kumar Amlesh	Teaching Assistant	MCA	3 years	
27	Ms. Ritu Tailor	Teaching Assistant	M. SC CA		
28	Ms. Divya B Gupta	Teaching Assistant	M. SC CA		
29	Ms. Jahnvi Masrani	Teaching Assistant	MCA		
30	Mr. Vipul K. Chaudhari	Teaching Assistant	MCA	4 years	

Sr. No	NAME	DESIGNATION	QUALIFICATION	YEAR OF EXPERIENCE	PHOTO
31	Ms. Krishna Jagani	Teaching Assistant	MCA	2 years	
32	Mrs. Pooja C. Dhodiya	Teaching Assistant	M. Sc IT		
33	Ms. Neha Bagle	Teaching Assistant	M. Sc. CS		-
34	Mr. Sanjay Patil	Teaching Assistant	M. Sc IT	3 years	
35	Ms. Ritu Tailor	Teaching Assistant	M. SC CA	2 years	-
36	Ms. Nikita Dabhi	Teaching Assistant	M. Sc. CS	2 years	-
37	Mrs. Smarika Rai	Teaching Assistant	MCA	8 years	-
38	Ms. Madhu D. Varma	Teaching Assistant	MCA	Fresher	
39	Ms. Fenilben J. Rana	Teaching Assistant	MCA	Fresher	
40	Mrs. Monika M. Shewani	Teaching Assistant	MCA	Fresher	

Sr. No	NAME	DESIGNATION	QUALIFICATION	YEAR OF EXPERIENCE	PHOTO
41	Mrs. Priyanka Siddharth Kinger	Teaching Assistant	MCA	Fresher	
42	Ms. Divyarani Rauta	Teaching Assistant	MCA	4 years	
43	Ms. Sneha R Prajapati	Teaching Assistant	MCA	0 Years	
44	Mr. Mehul kumar R. Patel	Teaching Assistant	MCA B.Sc.	11 Years	
45	Ms. Bhumika A. Panchal	Teaching Assistant	MCA	2 Years	
46	Mrs. Neha N. Paudar	Teaching Assistant	MCA M.Sc. IT	Fresher	
47	Mrs. Miral N. Patel	Teaching Assistant	MCA	Fresher	
48	Ms. Nilam B. Chauhan	Librarian	GSET Qualified M.Li.Sc	9 Years	

Sr. No	NAME	DESIGNATION	QUALIFICATION	YEAR OF EXPERIENCE	PHOTO
49	Mr. Mehul R. Patel	Lab Assistant	B.E.-IT	5 Years	
50	Ms. Priya H. Dhaduk	Lab Assistant	BCA	Fresher	
51	Mr. Yash P. Pandya	Lab Assistant	BCA	Fresher	
52	Mrs. Hinal Jariwala	Lab Assistant	B. Sc. CS	2 years	-
53	Mr. Akhil S. Nair	Lab Assistant	BCA	1 year	-
54	Ms. Ayushi N. Gandhi	Lab Assistant	BCA	Fresher	-
55	Ms. Maitry N. Italiya	Lab Assistant	BCA	Fresher	-

Administration Team:

Sr. No.	NAME	DESIGNATION	QUALIFICATION	YEAR OF EXPERIENCE	PHOTO
1	Mr. Mayank H. Thakor	Head of Administration	MBA	4 Years	

Sr. No.	NAME	DESIGNATION	QUALIFICATION	YEAR OF EXPERIENCE	PHOTO
2	Mr. Prashant B. Patel	Clerk	B.COM	5 Years	
3	Ms. Chaitali Patel	Clerk	BBA/PGDBA	1 year	-
4	Mr. Prashant B. Patel	Clerk	B. Com	5 years	-
5	Mrs. Rajvi S. Ruwala	Clerk	B.COM, Diploma, B.ed in fashion	-	-

House Keeping Team:

Sr. No.	NAME	DESIGNATION	QUALIFICATION	YEAR OF EXPERIENCE	PHOTO
1	Mr. Krunal Rana	Peon	10 th	9 Years	
2	Ms. Laxmiben R. Luhar	Peon	10 th	Fresher	

3	Mr. Pinkal H. Patel	Peon	10 th	Fresher	
4	Mr. Vanshik Patel	Peon	10 th	Fresher	

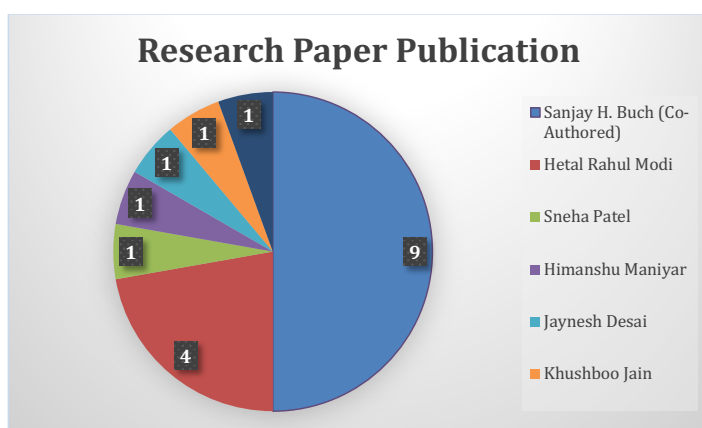
Area of Interest of Faculties

Sr. No	NAME	DESIGNATION	Area of Interest
1	Ms. Hetal R. Modi	Assistant Professor	Image Processing
2	Ms. Sneha T. Patel	Assistant Professor	Image Processing
3	Mr. Jaynesh H. Desai	Assistant Professor	Image Forensic, Network Security, Deep Learning, Web Technology
4	Mr. Sanket R. Trivedi	Assistant Professor	Android, Python, Database
5	Mr. Ravikumar J. Patel	Lab Assistant cum Lecturer	H/W, Networking
6	Ms. Sneha R Prajapati	Teaching Assistant	Data Analytics
7	Ms. Saloni H. Dhimmarr	Teaching Assistant	Integrated transform in Mathematics
8	Ms. Trijeka M. Talaviya	Teaching Assistant	Web Designing
9	Mr. Mehulkumar R. Patel	Teaching Assistant	ASP.NET DEVELOPER C#
10	Ms. Vaishnavi D Nanavati	Teaching Assistant	Object Oriented Concepts, Software Engineering, Web Technologies
11	Ms. Bhumika A. Panchal	Teaching Assistant	Cloud Computing
12	Ms. Nilam B. Chauhan	Librarian	Knowledge Services, Digital Library

FACULTIES ACHIEVEMENTS

CONTRIBUTION OF FACULTIES IN RESEARCH AND ACADEMICS

Name of Faculty	Designation	No. of Research Paper Published/Presented
Dr. Himanshu Maniar	Assistant Professor	1
Dr. Jaynesh H. Desai	Assistant Professor	2
Ms. Neha Bagle	Teaching Assistant	6
Dr. Tanvi Trivedi	Assistant Professor	1
Krupa Patel	Teaching Assistant	1
Zalak Thakkar	Research Scholar	2
Nidhi Bhatt	Teaching Assistant	2



No. of Research Paper Published/Presented

Sr. No.	Name of Faculty	Title	Name of Journal Volume, Issue
1	Dr. Himanshu Maniar	An Impact of Chat GPT in Higher Education	IJSET - International Journal of Innovative Science, Engineering & Technology, July 2023 Vol. 10 Issue 08
2	Nidhi Bhatt	Transform Smart Devices into Dedicated Devices with Android Kiosk Mode for Security and Cost Management	IJSET - International Journal of Innovative Science, Engineering & Technology, July 2023 Vol. 10 Issue 07
3	Dr. Himanshu Maniar	An overview of Data Mining Technique To Find Out Student DropOut Ratio For College	IJARCE 2278-1021
4	Dr. Jaynesh H. Desai	Improving Copy-Move Forgery Detection: An Investigation into Techniques Based on Blocks and Key Points	Advancements in Smart Computing and Information Security
5	Dr. Jaynesh H. Desai	Detecting Digital Image Copy-Move Forgery Through Advanced Image Forensics	JETIR, Vol-11 Issue (2)
6	Dr. Jaynesh H. Desai	A depth analysis of Image Splicing forgery detection	International Journal of Advanced Research in Computer and Communication Engineering Impact Factor 8.102iðPeer-reviewed & Refereed journaliðVol. 13, Issue 1, January 2024
7	Dr. Jaynesh H. Desai Neha Bagle	Mitigating Denial Based Service Attacks in Heterogeneous Sensor Networks: Strategies and Solutions	IEEE
8	Dr. Jaynesh H. Desai	Unveiling Insights: A Comprehensive Review of Social Media Analytics in the Realm of Business Intelligence	IJSET - International Journal of Innovative Science, Engineering & Technology, Vol. 11 Issue 02

9	Dr. Jaynesh H. Desai	Review on Diagnosis Cancerous Tissue Using Image Data Mining	International Journal of Latest Trends in Engineering and Technology Vol.(8)Issue(1), pp.533-537
10	Krupa Patel Tanvi Trivedi Unnati Shah	User Centered Non-Functional Requirements Specification – An Extended Use-Case Diagram	Procedia Computer Science 235 (2024) 240–249
11	Krupa Patel	Unambiguous Non-Functional Requirements Specification an Extended Use-Case --- Lightning Talk	Journal of Computing Sciences in Colleges,
12	Zalak Thakkar Dr. Sanjay H. Buch	Effect of Feature Scaling Pre-processing Techniques on Machine Learning Algorithms to Predict Particulate Matter Concentration for Gandhinagar, Gujarat, India	International Journal of Scientific Research in Science and Technology Volume 11, Issue 1 January-February-2024 Pp :08-13
13	Zalak Thakkar Dr. Sanjay H. Buch	Evaluation of the Effectiveness of Feature Selection Methods Combined with Regression Algorithms to Predict Particulate Matter (PM10) in Gandhinagar, Gujarat, India	International Journal of Scientific Research in Computer Science Engineering and Information Technology Volume 10, Issue 2 March-April-2024 Pp:38-50
14	Ms Kruti D Patel	Face Recognition using haar cascade algorithm in python	International journal of current science

No. of Book Publication

Sr. No.	Book Title	Author	Co-Author	Year
1	Machine Learning with its Application in Data Science	Dr. Sanjay H Buch	Mr. Jaynesh Desai	2023
2	Cloud Computing	Ms. Hetal Rahul Modi	Ms. Sneha T. Patel	2023
3	Cyber Security Essentials	Dr. Sanjay H Buch		2023

No. of Patent

Sr. No.	NAME OF FACULTY	Patent Number	Title of the patent	Year
1	Dr. Sanjay H Buch Dr. Hetal Modi Dr. Tanvi Trivedi	202023101810	A novel lot based sustainable water disinfection System	2023
2	Dr. Himanshu Maniar	6294058	Vermi Compost Machine	2023
3	Dr. Jaynesh Desai		Smart skin cancer inspection device	2023

Involvement of Faculty in Academic Activity Over and above Teaching

NAME OF FACULTY	ACADEMIC ACTIVITY
Dr. Sanjay H. Buch	● PhD Guide, ● IT Head ● BOS Chairman
Ms. Hetal R. Modi	● BCA Course Coordinator and Academic Incharge ● Member of Training & Placement committee ● NAAC Coordinator ● NODAL OFFICER ● BOS Member ● Involved in Syllabus Design Committee ● BMU Prodigy committee coordinator

	● Paper Setter and Evaluator
Ms. Sneha T. Patel	● Centered Superintendent (BMCCA) ● Admission Coordinator(BMU-BMCCA) ● Cultural Coordinator(BMCCA+BMU Centralize) ● Student Welfare Committee Secretary member - BMU ● Course coordinator(M.SC (IT)Integrated) ● Coordinator Women cell ● Grievance cell Coordinator Cultural Activity Cell Member ● Admission Co-Ordinator
Mr. Jaynesh H. Desai	● BOS Sub-Committee Member ● External Examiner, BMU ● External Examiner, VNSGU ● Website Development Head, BMU ● Sports Activity Cell Member ● Digital Marketing and Designing Cell Member ● PG Teacher, BMU
Mr. Sanket R. Trivedi	● MSC IT PG Course Coordinator ● Training & Placement Officer (Managed three placement Drive at BMCCA, Involved in BMU JOB Fair) ● Managing EXAM ERP Portal ● Institute Exam Coordinator ● External Exam Coordinator ● Coordinate Two Industrial Visits for Students ● Arranged Free Trainings for Students ● Involved in NAAC Criteria ● Coordinate and signed MOU with Six Companies ● BOS Member ● Involved in Syllabus Design Committee

INFRASTRUCTURE

INFRASTRUCTURE

The campus is placed in the heart of Bhagwan Mahavir University, spread over a vast acre of land is well-built and well maintained. The campus is surrounded by lush green trees and neat internal approach roads coupled with the architectural delight of the construction of its old as well as new building makes the entire landscape a scenic beauty.

A six-storey building with highly equipped facilities and system confirms better education and contribution. We have well maintained and updated library. In campus canteen, playground, skating ring etc. are there which aims at all-round development and growth.

Sr. No.	Particulars	Nos.	Location
1	Dean Office	1	4 th Floor
2	Classrooms	27	All Floors
3	Seminar Hall	2	Ground Floor & 1 st Floor
4	Admin Office	2	4 th Floor
5	Library	1	Ground Floor
6	Washrooms	14	All Floors
7	Store Rooms	2	Ground Floor & 1 st Floor
8	Lift	2	-
9	Staff Rooms	2	4 th Floor
10	Pantry	1	4 th Floor
11	LCD Projectors	17	
12	CCTV Camera	56	All Floors

Classrooms:

The College has well-established classrooms under the observation of principal through CCTV camera. All Classrooms of the college have very comfortable benches and are equipped with fans, lights, White Boards. All faculties use laptop and Projectors to teach students in interesting manner.

Library:

Bhagwan Mahavir College of Computer Application library will be a knowledge temple with all necessary modernization and an ultimate collection of books of good authors and renowned publishers on all concerned technologies. The goal of the library is to provide guidance and support to the students. All subjects main textbook and similar many reference books are provided to students. A good number of quality National, International journals and magazines are being subscribed in the library in hard bound.

DELNET –E-Resources usage facility is available with library to enhance knowledge of Students as well as faculties and Research Scholars.



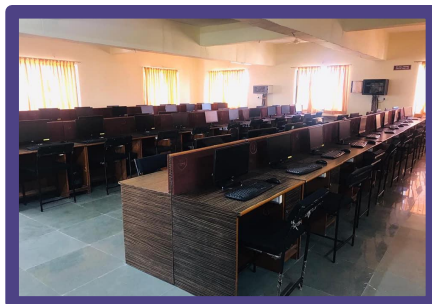
Detailed report of library

Sr.No.	Name	Quantity
1	No of Book	3044
2	No of Title	302
3	No of Magazine	4
4	No of Journal	3
5	No of News papers	3
6	E-Journals (DELNET)	160

Staff Room :

A spacious staffroom is provided to the faculty members having necessary sitting arrangement. Each faculty has been provided independent table and Computer in staffroom. This will help faculties to do their preparation and other related day to day work.

The staffroom has been equipped with Wi-Fi facility also.

Computer Lab :

The College is well-equipped with IT infrastructure facilities including 5 computer labs with more than 60 to 70 Computers each Lab, which total to 296 computers internet access and secured Wi-Fi. The College has high-speed internet connectivity with 20 Mbps internet speed with Fiber Optic as well as broadband VPN connections. All necessary software packages are available for laboratories.

Computer Lab Detail: 2021-22

Sr. No.	Equipment Name	LAB-1	LAB-2	LAB-3	LAB-4	LAB-5	Total
1	Monitor	75	60	63	60	38	296
2	CPU	75	60	63	60	38	296
3	Ram	4 GB	4 GB	8 GB/ 4 GB	4 GB	4 GB	4GB
4	Processor	intel i3	intel core2duo	intel i5 / intel i3	intel i3	intel i3	0

Computer Lab Detail: 2022-23

Sr. No.	Equipment Name	LAB-1	LAB-2	LAB-3	LAB-4	LAB-5	LAB-6	Total
1	Monitor	72	60	60	120	60	60	432
2	CPU	72	60	60	120	60	60	432
3	RAM	4 GB	4 GB	8 GB/ 4 GB	4 GB	4 GB	4 GB	
4	Processor	intel i3		intel i5 / intel i3	intel i3	intel i3	intel i3	

Computer Lab Detail: 2023-24

Sr. No.	Equipment Name	LAB-1	LAB-2	LAB-3	LAB-4	LAB-5	LAB-6	Total
1	Monitor	72	60	60	120	60	60	432
2	CPU	72	60	60	120	60	60	432
3	RAM	4 GB	4 GB	8 GB/ 4 GB	4 GB	4 GB	4 GB	
4	Processor	intel i3		intel i5 / intel i3	intel i3	intel i3	intel i3	

FACULTY PROFILE

RULES & REGULATIONS

General code of Conduct:

Dress Code:

Wearing college uniform is mandatory for students in university campus. BMCCA uniform is light blue colour shirt and Navy Blue colour pant for both boys and girls. The students are expected to follow an etiquettes with proper footwear.

ID card:

All students will be issued Photo Identification (ID) Card to certify the enrolment in the Bhagwan Mahavir college of Computer Application. This ID card is compulsory for each student to wear in college hours. In case of losing the ID card, a new card will be issued on payment of Rs. 50/-.

Class & Campus Rule:

- The students are expected to be in the classroom at least five minutes prior to the commencement of the class, unpunctuality is not acceptable.
- At BMCCA , we follow a “Bell-System” and students should obey the Bell system. The 1st Bell rings at 9:15 am in the morning for First Lecture and at every time after the interval of one hour.
- If the students do not maintain their subject book in the classroom as well coming without homework, then respective subject faculty will take a proper action against the students.
- Use of mobile phones is strictly prohibited in the classrooms, laboratories, corridors, and inside the blocks. Violation would imply confiscation of the mobile phones.
- Students are expected to behave in a responsible manner and abstain from chatting amongst themselves while the class is in progress.
- Activities like video shooting, photography, playing musical instruments and listening to radio and tape recorders are prohibited in the campus.
- Any indiscipline or misbehaviors in class would warrant disciplinary action against the student.
- Every Saturday of week, we have arranged Co-curricular activities for the development of student.
- If the students are not following the above rules, then the penalty will be laid on them which include the following:
 - ❖ Students will be prohibited from appearing in the course or in the internal and external examination if they are not maintaining their attendance criteria.
 - ❖ Students will be restricted to seat in classroom if misbehavior or any kind of disturbance is found, and that period attendance will not be included.

- ❖ Parents will be invited for the discussion.
- ❖ Given special assignment and practical work.

Library Rules:

- Silence should be maintained in the library premises.
- Library Visitor's Muster must be signed and entered in time and out time.
- A maximum of 3 books for duration of 14 days are issued to students. Final decision regarding changes in the quantity of book issue and the duration will be done by the Library authority.
- Books will be issued on producing the Library Card.
- Books should be checked for missing pages or damage before issue. The student will be held responsible for any damage/missing pages found further and the penalty would be at the discretion of the librarian.
- Mobile Phone is to be on silent mode within the library premises.
- No food and drink are allowed in the library.

Computer Laboratory Rules:

- Lab users must sign in and out of the laboratory attendance register.
- Computers and peripherals are not to be moved or reconfigured without approval of Lab In-Charge.
- Behaviors and activities that disturb other users or disrupt the operations of the laboratory are not allowed.
- Remember to logout whenever you are done using any lab computer. BMCCA cannot be held responsible for the protection of your data or account when you leave a computer logged in with your account.
- Only use your assigned computer and workstation.
- Students must present their respective ID card before entering the computer lab.
- Users are strictly prohibited from downloading, viewing or distributing any offensive materials.
- Every user must make an entry while entering in the Computer Lab and also at the time of exit from the lab.
- Each student or visit or must switched off their mobile phones before entering the Lab.
- In case of theft/destruction of the computers or peripherals, double the cost of the lost will be charged from the student/user.
- Unauthorized copying and/or installing of unauthorized software is not permitted .This may be a violation of copyright laws.
- No food and drink are allowed in the labs.
- Turn off cell phones! If you need to use it, please take it to the hallway.
- Lab users should maintain professional and courteous communication. Electronic devices should be used on a professional level.
- Please operate the equipment with respect and care.
- Excessive use of paper and materials may require reimbursement to the lab. Paper being discarded should be placed in a recycle container.

- The lab aids are here to help when they can and to maintain the labs' operation.
- Software may be installed by Computer Labs staff only. Do not install any software on your own. Files not put on by Computer Labs staff will be routinely removed.
- Do not modify any software or files. Do not overwrite the operating system. Any failure to follow these lab rules may result in the loss of your lab privileges.

Disciplinary Rules:

- Every student must carry his/her college Identity Card.
- Minimum 75% attendance is Mandatory.
- Discourtesy towards teachers, insubordination, obscenity in act, willful damage to college property, anti-social activities, etc. is liable for disciplinary action.
- Respect to the faculty/staff of the college
- No student shall indulge in any activity that might be illegal or may lead to disorderliness.
- No student shall be in possession of liquor, drugs or any intoxicating materials, nor would consume such things; Smoking Cigarettes/chewing pan or tobacco is strictly prohibited.
- Use of mobiles phones is strictly prohibited during Lectures.
- Activities like video shooting, Photography, playing musical Instruments and listening to Radio, Tape Recorder, etc. are prohibited in the Campus.
- Any kind of ragging in the class, Campus or in the bus or even outside the campus is strictly prohibited.
- Students are not allowed to shout in the corridors, classrooms as well as on the stairs.
- Every student must enter and exit in the building through the main gate.
- Students are not allowed to sit on the stairs during after and before the lecture hours.

Evaluation of Academic Performance

- For Internal Evaluation (Mid-Term Exam + Continuous Evaluation + Class Attendance) and External Evaluation (End-Term Examinations) are normally form two compulsory components of performance evaluation in the Certificate/Diploma/UG/ PG Course.
- Each paper will have Maximum 100% and weightage is in the ratio of 40% Internal Evaluation (Mid-Term Exam + Continuous Evaluation + Attendance) and 60% External Evaluation (End-Term Examinations) irrespective of the credits assigned to it. The marks obtained by a student out of 100% will be treated as Normalized Marks. These Normalized Marks (marks obtained) will be multiplied by the Credits to get grade point for each paper/ course.

OR as per concerned Council/ Regulatory body Guideline

- Internal Evaluation (total 40% weightage) OR as per concerned Council/ Regulatory body Guideline. (Continuous Evaluation + Mid-Term Examination+ Attendance)

Continuous Evaluation:

The Continuous Evaluation shall be included (Quizzes/ Project assignments/ Class presentations/Oral examination/hands- on projects/ exercises/Class participation/ seminar, workshop, group discussions etc)

Minimum 75 % Attendance is Mandatory.

Mid-Term Examination:

The Mid-Term examination will be conducted by the Institute/ Department.

The duration of mid-term examination shall decided by the institute.

One Mid-Term examination shall be conducted or if two Mid-Term examinations shall be conducted in the semester and weightage shall be given either best of two or average of two Mid-Term examinations or as per the concern Board of Studies.

There will be re-mid examination as compensatory examination on account of absence from mid-term examination on medical ground.

External Evaluation (End-Term Examinations) (total 60% weightage)

The End-Term examination will be conducted by University Examination Department.

- The duration of end-term examination shall be 2½ to 3 hours or as per course curriculum with the guidelines issued by the UGC and concerned statutory bodies time to time and as per recommendations of the respective Board of Studies (BoS).
- The weightage of End-Term examination shall be 60%. OR as per concerned Council/ Regulatory body Guideline.
- There will not be any compensatory end-term examination on account of absence from end-term examinations on any ground.

The weightage of Internal-Evaluation for Laboratory Work shall be 40%.

- Day-to-day Laboratory work shall be 15 %.
- Attendance shall be 5 %.
- Submission of laboratory work assignments/ Practical file/Vivo-Voce shall be 20%.

The weightage of External-Evaluation for Laboratory Work shall be 60%.

- Lab Experiments performance 30%
- Viva- Voce 20%
- Certified Record 10%

OR as per concerned Council/ Regulatory body Guideline.

GENERAL ACADEMIC PRACTICE

GENERAL ACADEMIC PRACTICE

Attendance Record Offline:

- A student is expected to attend all the classes consisting of lectures, tutorials, labs and workshop sessions. A student may be debarred from appearing in the Examinations in one or more courses for shortage of attendance. Minimum 75% attendance is mandatory.
- Proper set of attendance record is maintained over ERP of BMU as well where faculty can get the periodic report as per student's enrollment number related their absenteeism.
- Encouraging regular college attendance is one of the most powerful ways you can prepare student for success—both in school and in life. When you make college attendance a priority, you help your student to get better grades, develop healthy life habits, avoid dangerous behavior, and have a better chance of graduating.
- Faculties maintain attendance record offline too and online data are used for student's attendance analysis.

Less Attendance Follow up:

- Attendance is very important and crucial part of curriculum. Faculties follow up.
- Through regular monitoring of attendance and absence patterns, we identify that a student is at risk of poor attendance or becoming disengaged.
- Promoting College attendance, building a positive climate, monitoring attendance, and supporting students and families to address barriers that influence college attendance are all key elements in helping students to improve their attendance and maximize their educational attainment.
- For student's regularity and regular phone call contact is done to students and parents on attendance is found lesser than 40%

Periodic Blacklist Preparation:

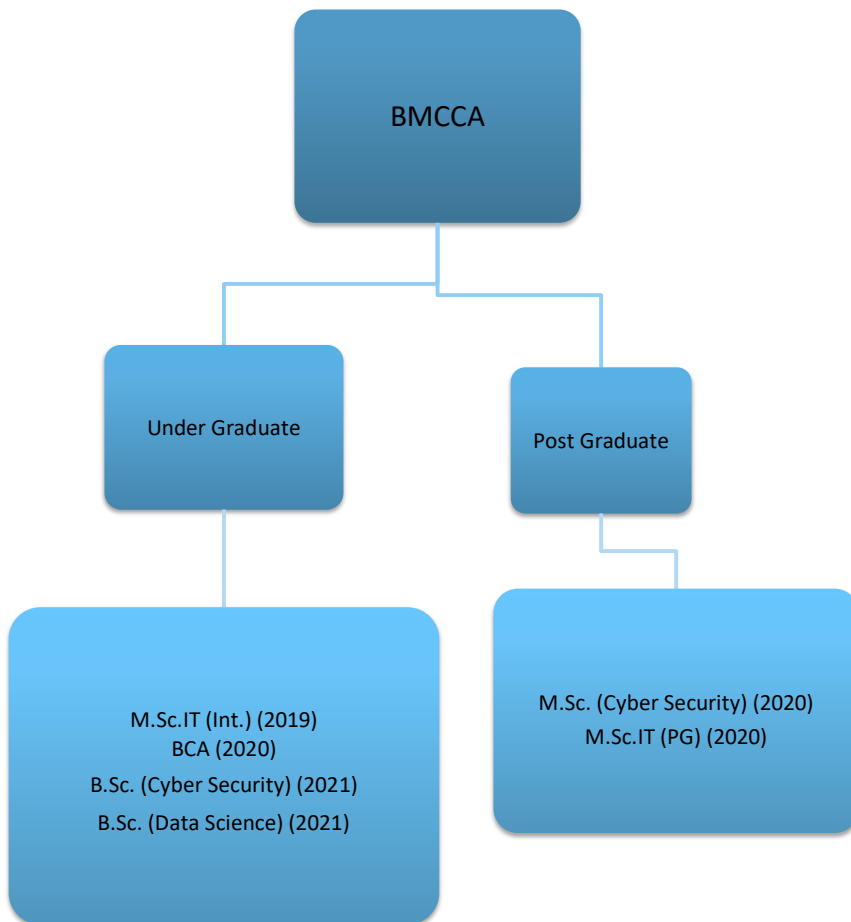
- Blacklist are prepared student wise every 15 days.
- We have a blacklist at college which determine attendance for all students.
- The college is no lenient towards defaulters. Poor attendance henceforth will have serious repercussions.
- We want students to be regular in college as it would not only fulfill your attendance criteria but also benefit from the excellent faculty teaching at BMCCA.

Parent Teacher Meeting:

- PTM opens a communication channel.
- Parent teacher meeting is an opportunity to exchange observation of a child with each other. Holistic development of a student depends upon the hard work of student, parent, and teacher. Parent is a partner. Parent teacher Meeting is also Great platform for an educator to know a student's weakest and strongest areas from parent's observation.

COURSE STRUCTURE

COURSE STRUCTURE



1. Bachelor of Computer Application (BCA)

Semester - I	Semester - II
1020201101 -Office Automation Tools 1020201102 - Programming in C 1020201103- Computer Fundamental 1020201104- Fundamental in Mathematics 1020201105- Communication Skills 1020201106 –Practical	1020201201 –Database Management System 1020201202 - Data Structures & Algorithms 1020201203 - Operating System 1020201204 – Financial Accountancy 1020201205 - Soft Skills Development 1020201206 - Practical
Semester - III	Semester - IV
1020201301 - Programming in C++ 1020201302- Web Designing 1020201303- Relational Database Management System 1020201304- Software Engineering 1020201305- Business Statistics 1020201306 - Practical	1020201401 - Web Development – I 1020201402- Web Development - II 1020201403 - Programming in Core Java 1020201404 - Data Communication & Computer Network 1020201405 - Environmental Science & Disaster Management 1020201406 - Practical
Semester - V	Semester - VI
1020201501 - Mobile Application Development 1020201502 - Programming with Python 1020201503 - UNIX and Shell Programming 1020201504 - E-Commerce & Cyber Security 1020201505 - Emerging Trends in IT 1020201506 –Practical	1020201601- Computer Graphics 1020201602- Intellectual Property Rights 1020201603- Project 1020201604- Seminar

2. M.Sc. IT (Integrated)

Semester - I	Semester - II
1020406101 Communication & Soft Skills 1020406102 Mathematics 1020406103 Introduction to Computers 1020406104 Computer Programming 1020406105 Web Application Design 1020406106 Practical	1020406201 Financial Accounting 1020406202 Discrete Mathematics 1020406203 Database Management Systems 1020406204 Data Structures 1020406205 Object Oriented Programming 1020406206 Practical
Semester - III	Semester - IV

1020406301 Statistics 1020406302 Computer Networks 1020406303 Relational Database Management System 1020406304 Core Java 1020406305 Web Development-I 1020406306 Practical	1020406401 Environmental Science & Disaster Management 1020406402 Software Engineering 1020406403 Advance Java 1020406404 Programming with Python 1020406405 Web Development – II 1020406406 Practical
Semester - V	Semester - VI
1020406501 Recent Trends in Information Technology 1020406502 Operating System 1020406503 Internet of Things 1020406504 Unix and Shell Programming 1020406505 Mobile Application Development 1020406506 Practical	1020406601 E-Business and Cyber Security 1020406602 Intellectual Property Rights 1020406603 Project 1020406604 Seminar
Semester - VII	Semester - VIII
1020406701 Operation Research 1020406702 Data Warehousing and Data Mining 1020406703 Advanced .Net with C # 1020406704 Software Testing & Quality Assurance 1020406705 Practical- 1 Advanced .Net with C # LAB 1020406706 Practical- 2 Software Testing & Quality Assurance LAB 1020406707 Part Time Project - 1 based Practical Subject	1020406801 Artificial Intelligence 1020406802 Management Information System 1020406803 Advance Web Development 1020406804 Elective – A Smart Device Computing using iOS Elective – B Mobile Web Development Using Android 1020406805 Practical – 3 Advance Web Development LAB 1020406806 Practical – 4 Elective LAB 1020406807 Part Time Project – 2 based Practical Subject
Semester -IX	Semester - X
1020406901 Cloud Computing 1020406902 Design and Analysis of Algorithms 1020406903 Application Development using Full Stack. 1020406904 Advanced Web Technologies in Java 1020406905 Practical – 5 Application Development using Full Stack LAB 1020406906 Practical - 6 Advanced Web Technologies in Java LAB 1020406907 Part Time Project - 3 based Practical Subject	10204061001 Full Time Project

3. B.Sc. (Cyber Security)

Semester - I	Semester - II
1020204101 - Communication & Soft Skills 1020204102 - Fundamental of Mathematics 1020204103- Computer Fundamental & Networking 1020204104- Introduction to Programming C 1020204105- Web Designing 1020204106 – Practical 1. Introduction to Programming C 2. Web Designing	1020204201 – Accounting 1020204202 - Operating System 1020204203 - Introduction to Cyber Security 1020204204 – Object Oriented Programming Java 1020204205 - Database Management System & Security 1020204206 - Practical: 1. OOP Java 2. DBMS & Security
Semester - III	Semester - IV
1020204301 - Cloud Computing 1020204302- Network Security 1020204303- Python Programming 1020204304- Relational Database Management System 1020204305- Linux Fundamentals 1020204306 - Practical: 1. Python Programming 2. RDBMS 3. Linux Fundamentals	1020204401 Cyber Crime & Cyber Law 1020204402- Web Development - II 1020204403 - Secure Web Programming PHP 1020204404 Secure Mobile Application Development 1020204405 - Digital Forensic 1020204406 - Practical: 1. PHP 2. Mobile Application 3. Digital Forensic
Semester - V	Semester - VI
1020204501 - IoT & Security 1020204502 - Blockchain & Cryptocurrency 1020204503 - Malware Analysis 1020204504 - Cloud Security 1020204505 - Vulnerability Assessment & Penetration Testing 1020204506 – Practical: 1. Malware Analysis 2. Cloud Security 3. VAPT	1020204601- Intellectual Property Rights 1020204602- Artificial Intelligence 1020204603- Project

4. B.Sc. (Data Science)

Semester - I	Semester - II
1020203101 - Communication & Soft Skills 1020203102 - Fundamental of Computers and Architecture 1020203103- Basics of Computer Programming with C 1020203104- Statistics for Data Science - I 1020203105- Mathematics for Data Science 1020203106 – Practical 1. Computer Programming with C 2. Statistics in R	1020203201 – Finance, Account & Taxation 1020203202 - Operating System 1020203203 - Statistics for Data Science - II 1020203204 – Object Oriented Programming with Java 1020203205 - Database Management System-I 1020203206 - Practical: 1. Statistics for Data Science - II 2. OOPs with Java 3. Database Management System - I
Semester - III	Semester - IV
1020203301 - Cloud Computing 1020203302- Introduction to Data Science 1020203303- Python Programming 1020203304- Relational Database Management System 1020203305- Data Structure 1020203306 - Practical: 1. Python Programming 2. RDBMS 3. Data Structure	1020203401 Environmental Studies and Disaster Management 1020203402- Design and Analysis of Algorithm 1020203403 - Machine Learning 1020203404 - Data Warehouse Management 1020203405 - Big Data 1020203406 - Practical: 1. Machine Learning 2. Design and Analysis of Algorithm 3. Big Data
Semester - V	Semester - VI
1020203501 - E-Commerce 1020203502 - Artificial Intelligence 1020203503 - Data Visualization 1020203504 - Data Analysis 1020203505 - Data Visualization 1020203506 – Practical: 1. Data Visualization 2. Data Analysis 3. Data Visualization	1020203601- Intellectual Property Rights 1020203602- Blockchain 1020203603- Project

5. M.Sc. Cyber Security (Post Graduation)

Semester - I	Semester - II
1020304101 - Network Security& Cryptography 1020304102 Information Security 1020304103 Digital Security and Forensic Fundamental 1020304104 Linux Fundamentals 1020304105 Practical – 1 Based on 1020304103 Digital Security. and Forensic Fundamentals Lab 1020304106 Practical – 2 Based on 1020304104 Linux Fundamentals LAB 1020304107 Part Time Project – 1 Based on Practical Subject	1020304201C - Cyber Offenses & Investigation 1020304202C - Wireless and Mobile Security 1020304203C - Malware Analysis 1020304204C - Security with Python Programming 1020304205C - Practical-3Malware Analysis LAB 1020304206C – Practical-4 Security with Python Programming LAB 1020304207C - Part Time Project-2 Based on Practical Subject
Semester - III	Semester - IV
1020304301E 01 - Security Architecture and Models 1020304301E02 - Fundamental of Block chain 1020304301E 03 - Risk Management 1020304302C Security Architecture and Models 1020304303E 01 - Mobile & Digital Forensics 1020304303E02 - Biometric Security 020304303E03 - Security Policy & Audit 1020304304C Cyber Forensics 1020304305E Practical 5 LAB Based on 1020304303E 01 - Mobile & Digital Forensics 1020304303E02 - Biometric Security 1020304303E 03 - Security Policy & Audit 1020304306C Practical 6 Based on Cyber Forensics LAB	1020304401C - Full Time Project

6. M.Sc. IT (Post Graduate)

Semester - I	Semester - II
1020305101 - Operation Research 1020305102 - Data Warehousing and Data Mining 1020305103 - Advanced .Net with C # 1020305104 - Software Testing & Quality Assurance 1020305105 Practical- 1 Based on Advanced .Net with C #LAB 1020305106 Practical- 2 Based on Software Testing & Quality Assurance LAB 1020305107 Part Time Project – 1 Based on Practical Subject	1020305201 - Artificial Intelligence 1020305202C - Management Information System 1020305203C - Advance Web Development 1020305204E Elective 1020305204E01 - Smart Device Computing using iOS 1020305204E02 - Mobile Web Development Using Android 1020305205C Practical – 3 LAB Based on Advance Web Development LAB 1020305206E Practical – 4 LAB Based on 1020305204E01 - Smart Device Computing using iOS 1020305204E02 - Mobile Web Development Using Android 1020305207C Part Time Project – 2 Based on Practical Subject
Semester - III	Semester - IV
1020305301C - Cloud Computing 1020305302C - Design and Analysis of Algorithms 1020305303C - Application Development using Full Stack 1020305304C - Advanced Web Technologies in Java 1020305305C - Practical – 5 LAB Based on Application Development using Full Stack 1020305306C - Practical – 6 LAB Based on Advanced Web Technologies in Java 1020305307C Part Time Project - 3 Based on Practical Subject	10203051001C - Full Time Project

COLLEGE COMMITTEE

INSTITUTIONAL COMMITTEE

Sr. No.	Committee	Co-Ordinator's/ Members
1	Admission Planning Committee	Dr. Sanjay H. Buch Dr. Sneha T. Patel Mr. Mayank H. Thakor Ms. Kruti D. Patel Dr. Hetal R. Modi Dr. Jaynesh H. Desai Mr. Sanket R. Trivedi Dr. Himanshu Maniar Dr. Tanvi Trivedi Ms. Krishna K. Jagani Ms. Ami J. Belani Ms. Nilam B. Chauhan
2	Alumni Association Committee	Dr. Hetal R. Modi Dr. Sneha T. Patel Dr. Jaynesh H. Desai Mr. Sanket R. Trivedi Ms. Khushbu S. Patel Ms. Himanshi B. Patel
3	Annual Report , Newsletter and Data Collection Committee	Dr. Sanjay H. Buch Ms. Nilam B. Chauhan Dr. Jaynesh H. Desai Dr. Hetal R. Modi Mr. Mayank H. Thakor
4	Anti-Ragging Committee	Dr. Jaynesh H. Desai Mr. Sanket R. Trivedi Dr. Tanvi Trivedi Mr. Mayank H. Thakor
5	Cleanliness committee	Ms. Fenil J Rana Ms. Kashish S. Sharma Ms. Divya B. Gupta Ms. Madhu D. Varma Ms. Bharti S. Mishra Mr. Sanjay R Patil Mr. Vipulkumar K. Chaudhari Mr. Rajat T. Chawla Ms. Laxmiben R. Luhar

Sr. No.	Committee	Co-Ordinator's/ Members
		Mr. Pinkal H. Patel Mr. Vanshik D. Patel
6	Committee Compilation Committee	Dr. Sanjay H. Buch Ms. Hetal R. Modi Ms. Sneha T. Patel Dr. Jaynesh H. Desai Ms. Nilam B. Chauhan Mr. Mayank H. Thakor
7	Cultural Committee	Dr. Sneha T. Patel Ms. Vidhi K. Desai Ms. Ami J. Belani Ms. Himanshi B. Patel
8	Discipline Committee	Dr. Jaynesh H. Desai Mr. Sanket R. Trivedi Dr. Himanshu Maniar Mr. Mayank H. Thakor Dr. Sneha T. Patel Mr. Ravikumar J. Patel Mr. Yash P. Pandya Mr. Kumar Amlesh Mr. Vipulkumar K. Chaudhari Mr. Sanjay R Patil Mr. Rajat T. Chawla Mr. Susanta Kumar Swain Mr. Sanjay R. Kushwaha Mr. Dhrumil S. Patel Mr. Mayur A. Khairnar
9	ERP (Academic) Committee	Dr. Jaynesh H. Desai Dr. Tanvi Trivedi Ms. Pooja C. Dhodiya Ms. Vidhi K. Desai Ms. Kruti D. Patel Ms. Krupa N. Patel Ms. Bhumika A. Rana Mr. Kumar Amlesh Ms. Jahnvi B. Masrani Ms. Ami J. Belani Ms. Jahnvi B. Masrani Ms. Neha S. Bagle
10	ERP (Exam) Committee	Dr. Jaynesh H. Desai

Sr. No.	Committee	Co-Ordinator's/ Members
		Dr. Himanshu Maniar Mr. Mayank H. Thakor Mr. Susanta Kumar Swain
11	Faculty and Staff Recruitment and Review Committee	Dr. Sanjay H. Buch Dr. Hetal R. Modi Dr. Sneha T. Patel Dr. Jaynesh H. Desai Mr. Sanket R. Trivedi Dr. Tanvi Trivedi Dr. Himanshu Maniar
12	Grievances Redressal Committee	Dr. Sanjay H. Buch Ms. Hetal R. Modi Ms. Sneha T. Patel Mr. Jaynesh H. Desai Mr. Mayank H. Thakor
13	Lab Management Committee	Mr. Yash P. Pandya Ms. Hinal Jariwala Mr. Sanjay R. Kushwaha Mr. Dhruvil S. Patel
14	Library committee	Dr. Sneha T. Patel Ms. Nilam B. Chauhan Ms. Hetal G. Kantharia Dr. Tanvi Trivedi
15	NAAC Committee	Dr. Hetal R. Modi Dr. Himanshu Maniar Ms. Kruti D. Patel Mr. Sanket R. Trivedi Dr. Tanvi Trivedi Dr. Jaynesh H. Desai Mr. Kumar Amlesh Dr. Sneha T. Patel Ms. Jahnvi B. Masrani Ms. Pooja C. Dhodiya Ms. Bhumika A. Rana Mr. Rajat T. Chawla Ms. Madhu D. Varma Ms. Fenil J Rana Ms. Vidhi K. Desai Ms. Neha S. Bagle Mr. Ravikumar J. Patel Ms. Nilam B. Chauhan

Sr. No.	Committee	Co-Ordinator's/ Members
		Mr. Mayank H. Thakor
16	NSS Committee	Mr. Ravikumar J. Patel Ms. Madhu D. Varma Ms. Fenil J Rana Ms. Divya B. Gupta Ms. Kashish S. Sharma
17	Physically Disability Committee	Ms. Hetal R. Modi Ms. Sneha T. Patel Mr. Jaynesh H. Desai Mr. Sanket R. Trivedi Ms. Krupa N. Patel
18	Repository Maintenance Committee	Dr. Jaynesh H. Desai Ms. Nilam B. Chauhan
19	SC/ST Cell Committee	Mr. Vipul kumar K. Chaudhari Ms. Pooja C. Dhodiya Ms. Hetal G. Kantharia
20	Social Media and Digital Marketing Committee	Dr. Tanvi Trivedi Ms. Divya B. Gupta Ms. Himanshi B. Patel
21	SSIP and Entrepreneurship Committee	Mr. Sanket R. Trivedi Mr. Kumar Amlesh
22	Stock and Maintenance (Purchase/Infrastructure) Committee	Mr. Ravikumar J. Patel Mr. Mayank H. Thakor Ms. Nancy R. Gandhi Mr. Yash P. Pandya Ms. Hinal Jariwala Mr. Sanjay R Patil Mr. Susanta Kumar Swain
23	Student Welfare Committee	Dr. Sneha T. Patel Ms. Kruti D. Patel Ms. Vidhi K. Desai Ms. Himanshi B. Patel Mr. Ravikumar J. Patel (NSS Coordinator) Mr. Sanjay R Patil (Sports Coordinator) Mr. Vipul kumar K. Chaudhari Mr. Kumar Amlesh Ms. Khushbu S. Patel
24	Training & Placement Committee	Mr. Sanket R. Trivedi Dr. Hetal R. Modi Ms. Nilam B. Chauhan Ms. Kruti D. Patel

Sr. No.	Committee	Co-Ordinator's/ Members
		Ms. Bharti S. Mishra Ms. Pooja C. Dhodiya Mrs. Priyanka S. Kinger Mr. Kumar Amlesh
25	UGC & Academic Audit Committee	Dr. Sanjay H. Buch Dr. Hetal R. Modi Dr. Sneha T. Patel Dr. Jaynesh H. Desai Mr. Sanket R. Trivedi Dr. Himanshu Maniar Dr. Tanvi Trivedi Mr. Mayank H. Thakor Ms. Kruti D. Patel
26	Website Development and Maintenance Committee	Dr. Jaynesh H. Desai Mr. Kumar Amlesh Ms. Divya B. Gupta
27	Women Development Cell Committee (WDC)	Dr. Hetal R. Modi Dr. Sneha T. Patel Dr. Tanvi Trivedi Ms. Bhumika A. Rana

BOARD OF STUDIES

BMCCA has formed committee of Board of Studies which includes subject experts of computer Science to excel the standards of our syllabus. Subject experts from industry and academics both are included which helps to imply their knowledge in framing the course syllabus in line with the current industries trend and academic requirements.

BOARD OF STUDIES MEMBERS		
Sr. No.	Name	Role
01	Dr. Sanjay H. Buch	Chairperson
02	Ms. Hetal R. Modi	Coordinator
03	Ms. Snehal Patel	Member

04	Mr. Jaynesh Desai	Member
05	Mr. Sanket Trivedi	Member
06	Ms. Jayshri Patil	Member
07	Mr. Nachiket Patel	External Member from Industry
08	Dr. Bhavesh N. Gohil	External Member from Academics
09	Dr. Charmy S. Patel	External Member from Academics
10	Mr. Maulik B. Shah	External Member from Industry

PLACEMENT CELL

PLACEMENT CELL

Mr. Sanket R. Trivedi

Message from Training and Placement Officer



The Training and Placement Cell is one of the integral parts of our college. Training & Placement activities are organized throughout the year with a view to prepare the students to appear in the campus recruitment process with confidence.

This is an era of technological innovations. The modern educational world is reverberating with waves of innovation all around the world. Interaction with industry is done on a regular basis as many speakers from companies share their expertise with our students. Our teaching pedagogy helps towards acquiring skills sought after and needed by organizations.

The Training & Placement works diligently to provide a workable environment to the Students that enables them to understand the requirements of the corporate & Industrial world. Its aim is to find an appropriate place for students in the corporate. The soft skill & personality development workshops help students to polish their communication skills, build confidence; to make students industry fit professionals. We organize guest lectures, industrial visits & are always striving to strengthen Industrial Interface.

I express my sincere gratitude to all the organizations that have extended their active co-operation to the T & P in accomplishing its Endeavour successfully. I feel privileged to present our students to your esteemed organizations.

I look forward to your cooperation in the placements of our students.

Campus Placement:

Campus placement or campus interview is the program conducted within educational institutes or in a common place to provide jobs to students pursuing or in the stage of completing the Programme. In this Programme, industries visit the colleges to select students depending on their ability to work, capability, focus and aim.

Placement Objectives:

- To create promising career opportunities for UCET students in reputed corporate nationally and internationally.
- To provide right job for the right person in right place at the right time.
- To ensure our students will start the career and move forward in the right direction for better quality living.
- To provide ultimate satisfaction to our valuable students by offering the companies of their choice according to their eligibility. To provide career guidance through counseling and one to one interaction with Average and below average students.
- To enhance the skills of students for Industry ready employer.
- To better our previous best achievement year on year.
- To educate our first-year students regarding the interview process through coordination in placement drives.
- To instill professional behavioral skills which includes respects values, ethics, and beliefs and maintains confidentiality.

Placement Drives:

- The placement of final year students starts in the beginning of the academic year. An invitation is sent to all the companies who visited earlier as well as to new companies in June-July.
- A requisition form along with the invitation is provided to seek the company's profile and information. After obtaining willingness of the companies, they are prioritized, and a schedule is prepared along with the merit list of students who are interested.
- Based on the prepared schedule, a company is intimated to visit the campus on an allotted day and makes pre-placement talk, conducts tests, and interviews, and selects the candidates.

Placement through Alumni:

- To promote campus placements through the old students working in reputed industries in India and abroad and register them in the Alumni family and have good placement records in future.

SUMMARY

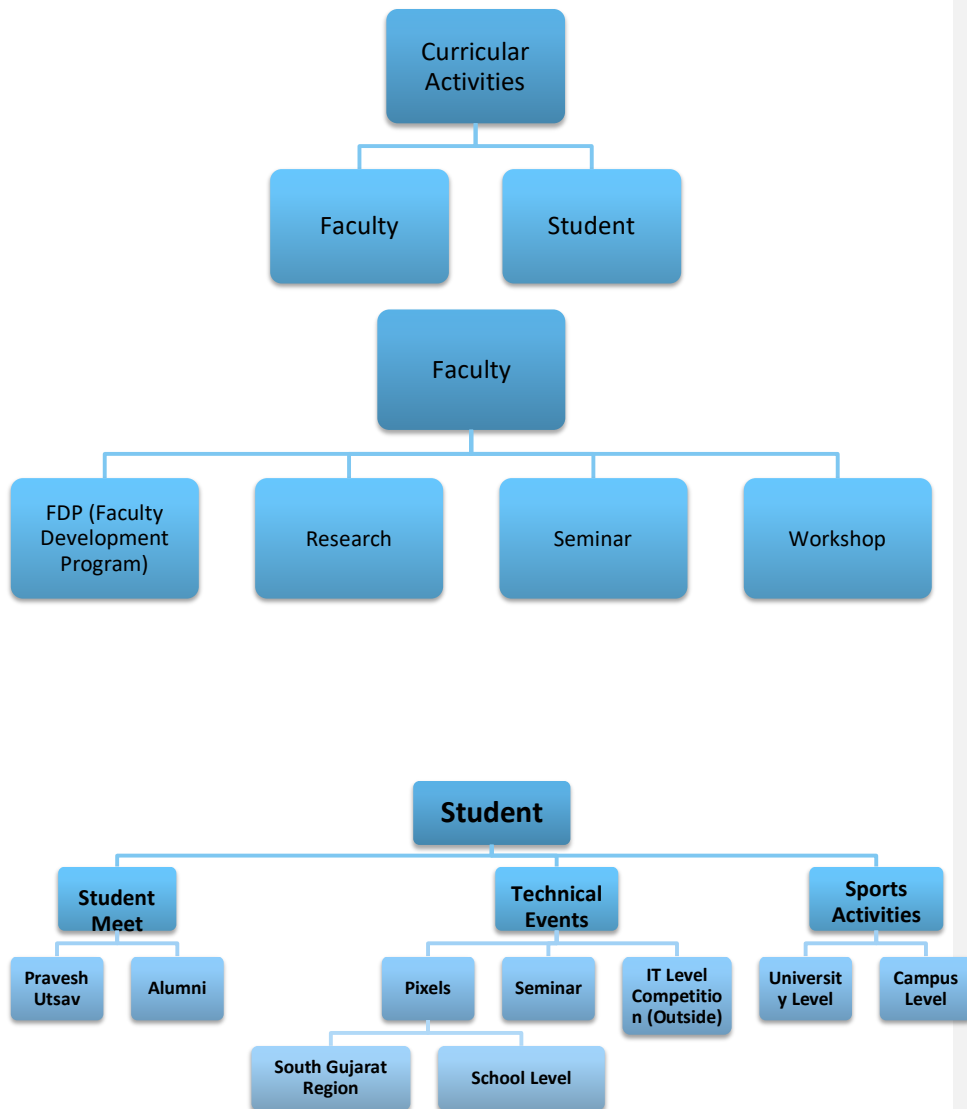
Sr. No	Placement	Total students in Final semester	Final semester Students Interested in placement/job	Students placed by Placement cell	% Of Placement	Highest Annual package	Lowest Annual package	Average Package
1	2021	220	8	6	75	4,00,0000	60,000	1,36,555

Recruiters in

Sr.No	Placemen t year	Name of the students selected.	Annual package offered	Name of the company
1	2022-23	Malaviya Hiren	240000	KM SOFT
2		Pandey Saket	300000	CyberMatricks
3		Jani Yash	360000	CodeBit Technology
4		Jariwala Vaishnavi	384000	Modi softwear solutions pvt. Ltd.
5		Mahajan A Naresh	300000	Popway Innovation LLP
6		Baldaniya Jaysukh	1320000	RAK INFOTECH
7		More Heena	240000	Plusonex
8		Hina Patel	384000	Rivvan Infotech
9		Kasundra Denishaben	240000	KM SOFT
10		Tandel Rutika	300000	IT idol technologies

HAPPENING @ BMCCA

HAPPENING @ BMCCA



Event Summary: Year 2021-22

Sr.No	Details	Description
1	One Week for Nation	One Week for Nation organizes with various activities to contribute towards the Nation.
2	Design Thinking Startup & Innovation (SSIP) Workshop	This workshop was containing a series of practical exercises that build on one another to create a complete design thinking project in the field of innovation and entrepreneurship.
3	Faculty Development	Faculties participate in State/National/International level conference, seminar, and workshop etc for enhancement and updating the knowledge.
4	Other Cultural and Sports Activities	Celebrations of National festivals and religious festivals are undertaken every year without fail
5	Technical Events	Every year participants outside of universities comes and show off their talent and apply their knowledge which helps the students in their holistic developments.

Student Development Program:

- We organized different webinars and workshops for students to upgrade their knowledge. The objective of the webinars and workshop is to prepare students for careers as software professionals and for advanced studies in Computer Science. This program helps to solve today's problems and share skills and knowledge with the community.
- Student Development Career Guidance Programme was also organized.
- We organized webinar on Importance of SSIP. It was beneficial to the students as it was

MEDIA & PROMOTIONAL

MEDIA & PROMOTIONAL

Social media like Facebook, Instagram, Twitter, LinkedIn are regularly updated. Event videos are getting uploaded on YouTube while Circulars on college website regularly.

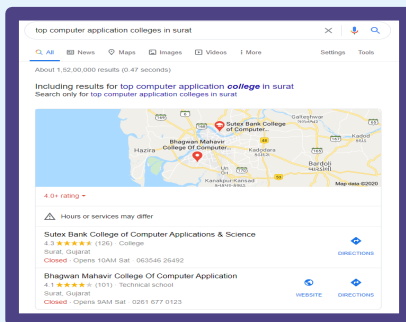
Website: <https://bmbca.bmefcolleges.edu.in>

FacebookPage Link: <https://www.facebook.com/bmcoca/>

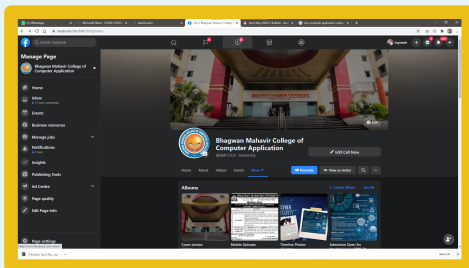
Instagram: BMCOCA

YouTube: <https://www.youtube.com/channel/UCJSIR6FWR5QdHfK4F0LAq1A>

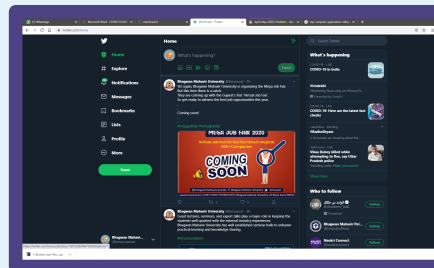
LinkedIn: <https://www.linkedin.com/company/bmcoca>



Google Page Ranking



Facebook Page



Twitter Page

ADMISSION ANALYSIS

ADMISSION ANALYSIS

Span of years Bhawan Mahavir College of Computer Application expanded from 1 division to 17 divisions with strength of 60 students to 855 students. Initially it was started under Veer Narmad South Gujarat University. Now we are affiliated to Bhagwan Mahavir University, Surat since year 2019.

Admission Year – 2023-2024

2023-2024				
Course Name	Intake	Admitted Students	Male	Female
BCA 2022-2023	1080	520	424	96
BCA 2022-2023 (Ev)	720	0	0	0
M.Sc.IT INT 2022-2023	120	147	114	33
M.Sc.IT INT 2022-2023 (Ev)	120	0	0	0
BSC - Cyber Security 2022-2023	60	21	14	7
BSC - Data Science 2022-2023	30	0	0	0
BSC - IMS 2022-2023	60	27	22	5
MSC - IT 2022-2023	30	12	9	3
MSC - CS 2022-2023	30	9	4	5

Row Labels	2019-20	2020-21	2021-22	2022-23	2023-24	Grand Total
BCA(Regular)	-	763	938	996	520	3217
BCA(Evening)	-	-	567	695	0	1262
B.Sc. CS	-	-	37	18	21	76
B.Sc. DS	-	15	15	16	0	46
BSC - IMS (2022-2023)	-	-	-	51	27	78
M.Sc. I.T. (Int.)	60	103	106	111	147	527
M.Sc. I.T. (Int.)(Evening)	-	-	34	93	0	127
M.Sc. I.T. (PG)	-	14	13	0	12	39
MSC - CS	-	-	10	3	9	22
Ph.D	2	5	1	3	-	-
Grand Total	62	907	1721	1986	727	5394

M.Sc. I.T. (Int.)

RESULT ANALYSIS

RESULT ANALYSIS

Course	Se me ster	Total No. of Appe ared	Total No. of Passe d	Total No. of Failed	Result	Course wise Result
BCA	1	477	207	270	43.40%	53.38%
	2	451	163	288	36.14%	
	3	765	287	478	37.51%	
	4	755	423	332	56.03%	
	5	716	371	345	51.82%	
	6	948	744	204	78.48%	
B.Sc.(Cyber Security)	1	19	12	7	63.16%	88.19%
	2	17	15	2	88.24%	
	3	15	12	3	80.00%	
	4	14	12	2	85.71%	
	5	31	31	31	100.00%	
	6	31	30	1	96.77%	
B.Sc.(Data Science)	1	STUDENTS NOT ENROLLED				88.46%
	2					
	3	11	8	3	72.73%	
	4	11	10	1	90.91%	
	5	15	14	1	93.33%	
	6	15	14	1	93.33%	
B.Sc.(IT)	1	140	83	57	59.28%	71.26%
	2	134	76	58	56.72%	
	3	101	65	36	64.35%	
	4	101	88	13	87.13%	
	5	117	89	28	76.07%	
	6	117	105	12	89.74%	
M.Sc.(Cyber Security)	1	09	09	00	100.00%	100.00%
	2	09	09	00	100.00%	
M.Sc.(IT)	1	10	10	00	100.00%	100.00%
	2	10	10	00	100.00%	
M.Sc.IT(Integrate d)	7	06	06	00	100.00%	100.00%
	8	06	06	00	100.00%	

CONVOCAÇÃO

CONVOCATION AWARDED

In the University's **2nd convocation**, a total of 61 students were awarded in BMCCA.

Hon'ble the Chief Guest: 1. Yug Pradhan Shree Mahashraman Ji
 2. Shree Praful Pansheriya, Honorable Minister of State
 (Parliamentary Affairs, Primary, Secondary & Adult
 Education, Higher Education)

Details of Convocation Awardees

Course	Number of Degrees Awarded
M.Sc. CS PG (2020-22)	7
M.Sc. I.T. (Int.) (2019-22)	42
M.Sc. I.T. (PG) (2020-22)	12
Total	61

In the University's **3rd convocation**, a total of 650 students were awarded in BMCCA.

Hon'ble the Chief Guest: 1. Sh. Praful Pansheriya, Member of Gujarat Legislative Assembly
 2. Sh. Savji Dhanji Dholakia, Businessman, Founder & Chairman of Hari Krishna Exports

Details of Convocation Awardees

Course	Number of Degrees Awarded
BCA (2020-23)	554
M.Sc. CS PG (2021-23)	70
M.Sc. IT. (Int.) (2020-2023)	74
M.Sc. IT (PG)(2021-23)	12
Total	650

In the University's **4th convocation**, a total of 533 students were awarded in BMCCA.

Hon'ble the Chief Guest.: 1. Yug Pradhan Shree Mahashraman Ji

2. Sh. C R Patil , Union Minister of Jal Shakti

Details of Convocation Awardees

Course	Number of Degrees Awarded
BCA (2021-24)	324
BCA 2020	16
BCA Evening	69
B.Sc. IT.(UG)	66
B.Sc. IT.(Evening)	21
M.Sc. CS PG (2022-24)	3
M.Sc. I.T. (PG)(2022-24)	06
B.Sc. CS DS	28
Total	533

ACTION PLAN

ACTION PLAN

Action Plan (Bhagwan Mahavir College of Computer Application (BCA))

The action plan can be used for each of following goals that are closely aligned.

- **Admission Enhancements:**
 - a. Meritorious students targeted.
 - b. Arrange technical events for school level in Surat region.
 - c. Establishing relationship with school- classes representatives for 12th standard.
 - d. Existing students targeted for their friends, relatives, brother, and sister for upcoming admission.
- **Admission through Alumni Students:**
 - a. Online admission process to get meritorious students.
 - b. Attendance Ratio Enhancement:
Professional Practice: Students' attendance is recorded in attendance register and in online attendance in Excel sheet faculty wise.

Attendance Ratio Goal:		
Action Text:	Supports/ Resources:	Timeline (or) Frequency:
1. Calling and messaging students (having low attendance).	Concerned class coordinator	Weekly
2. Calling and messaging to parents of students (having low attendance)	Concerned class coordinator	Weekly
3. Counseling	Concerned class coordinator	Mid of Semester
4. Parents Teachers Meet	Concerned class coordinator	End of Semester

- **Drop Out Ratio Deduction:**

Professional Practice:

Concerned students are called for counseling with level heads.

Drop Out Ratio Deduction Steps:		
Action Text:	Supports/ Resources:	Timeline (or) Frequency:
1. Counselling with the concerned students	Concerned batch coordinator (1 st phase) Principal (2 nd phase)	End of Semester each semester

- **Result Ratio:**

Professional Practice:

In case of poor result in some subject's extra classes with remedial exams are organized with prior information of time table displayed on notice board.

Result Ratio Goals		
Action Text:	Supports/ Resources:	Timeline (or) Frequency:
1. Informing students (having ATKT) for extra classes by displaying related subject timetable.	Concerned subject teacher	Mid of Semester.
2. Remedial exams	Concerned subject teacher	Mid of Semester
3. Giving assignment with submission dates	Concerned subject teacher	Mid of Semester
4. Giving practice for paper solution (for practical as well as theory papers)	Concerned subject teacher	Mid of Semester

ADMISSION ANALYSIS

FOCUS AREA FOR NEXT FIVE YEARS

Sr No	Area	Goals
1.	Teaching & Learning	● Establishing quality assurance process for teaching & learning ● Keeping Syllabus at par with the latest trend and Industries applications ● Mentor and mentee relationship for training new faculty members ● Improving the quality of content for teaching like teaching material and study material ● Innovation in teaching method for more students' participation ● Increasing the strength of special purpose visiting faculties
2.	Course & Curriculum	● Designing and development of new course as per the industries requirement and latest technological trend ● Periodic review of Syllabus through the Industries and Academic experts ● Developing skills-based curriculum to improve the employability ratio. ● Initiating the Diploma and Certification Courses for the Working Professionals in the evening session
3.	Research, Seminar and Workshop	● Promoting the applications-based research ● Undertaking Research on diversified areas ● Establishing the collaboration with industries ● Improving the faculties and students' publications ● Organization of specialized workshops & seminars with the help of domain specialists ● Organization of National/International level conference
4.	Infrastructure	● Developing special purpose Laboratories to support latest technologies. ● Establishing the research Laboratory
5.	Governance & Administration	● Establishing academic governance structure for each course ● Adopting working practice with proactive planning and execution

		● Establishing dynamic and agile Institution's administration
6.	Human Resource Management	● Faculty Development and Training ● Introducing the Reward and Recognition Process ● Team development with accountability and responsibility
7.	Library	● Automation of Library Processes ● Establishing knowledge-based value-added services under the library to promote and support research ● Increase in no. of users by organizing various activities like Book-Talk for students and faculties, Display of career guidance content, Arranging seminars, etc.
8.	Students Support and stakeholders Engagement	● Improving the student's communication ● Engaging the students in various cultural, career development and other initiative ● Establishing the bridge between students, parents, and Institutions ● Periodic discussion and meeting with Training & Placement Partners
9.	Industries Collaborations & Training and Placement	● Establishing the strategic ties-up with industries for Internship, Training, and research ● Improving the Training and Placement Ratio of Institute ● Organizing Interactions with industries professionals of respective domain

SWOC ANALYSIS

SWOC ANALYSIS

Strengths

1. Supportive management and Guidance of Provost.
2. Autonomy at Institute level for working and improvement.
3. Experienced and strategic institutional leadership.
4. Blending of Experienced teaching, Young, Energetic and supportive admin staff.
5. State-of-art infrastructure and Laboratory resources with latest computing devices.
6. Well managed library with all required books and publications.
7. Institute located at strategic location within the city.
8. Institute offers the courses at Graduate and Post Graduate level in line with the Market trends and to meet the demand & supply gaps like Data Science, Cyber Security, and Information Technology etc.
9. Faculty participates in various faculty development program and Doctoral study.
10. Faculty members participate in state and national level competitive assessment tests like NET, SLAT, DSET Exams for

Weakness

1. Institute required to be equipped with Smart Class and Seminar Hall.
2. Specialized Computer Laboratory for Data and Science and Cyber Security not available with required tools & software.
3. Faculties Cadre ratio as per UGC is not managed
4. Appointment of faculties required to be done in Teaching Assistant Category due to the shortage of experienced Faculties.
5. Battery backup, antivirus, License Software and AC required in computer Lab for the protection of students work and sensitive devices
6. Students have less interest towards the placement & employment.
7. Shortage of PhD Supervisors

future enhancement. This will help them to reassess their skills set on regular basis.

- 11.** Holistic student's career development approach by organizing skills development workshop, seminars, extra-curricular activities, mock interviews, communication skills and Personality development.
- 12.** Organized Career counselling seminar and workshop to motivate students.
- 13.** Continuous improvement in Curriculum, Teaching, Learning and assessment by obtaining students and parent feedback along with result analysis.
- 14.** Parents and Teacher Meet organized in every semester to educate the parents about the students' progress and understand their concerns.
- 15.** Students counselling done by faculty co-ordinators.
- 16.** Students' encouragement and motivation by appreciating their achievements in academic as well as extra-curricular activities.
- 17.** Arranging interactions with Industries Professionals and obtain their feedback for gaps & improvement.
- 18.** Experienced and dynamic training and placement cell.
- 19.** Continuous interactions with Alumni and organization of Alumni meet on every year.

20. Extra care taken for the students to ensure that their academic performance is excel and improved on continuous basis. Different method of teaching and learning being adopted for this. 21. Practical experiments are designed in line with industries requirements. 22. Organized event like state level “Pixel 2K16” for students and giving them competitive environment for their overall development. 23. Students participated in various Inter-college events, seminars, workshops etc. 24. Follow up is taken regularly from absent student’s parents to increase present ratio by faculty coordinator. 25. Assessment of students with the help of expert examiners of other institutions or universities. 26. Establishment of student’s start-up and Innovation Cell to encourage/nurturing the students for entrepreneurship from the beginning of their career.	
Opportunity	Challenges

1. Increasing the presence and strength of IT Companies within the South Gujarat will create more job opportunities for IT Professionals and students. 2. Implementation of NEP – 2020 will provide major flexibility and scope of educational revamp within the institute. 3. Government's policy and financial support for Students start-up & innovation. 4. BMCCA being affiliated with BMU provide the flexibility to meet curriculum as per the market requirements. 5. Flexibility to adopt innovative and outcome base teaching, learning and evaluation approach. 6. Opportunity to design and run skills based short/long term specialized courses like Data Science, Cyber Security, AI, ML, 3D Printing, Robotic Science and AR & VR with industries collaboration. 7. Opportunity to increase the industries participation in assessing the outcome, students' projects and internship. 8. Opportunity to contribute in Research & Innovation by increasing the Publications. 9. Organization of Seminars, Workshops and FDPs of national /international repute. 10. Opportunity to integrate the computer applications resources of different institution for color utilization and exchange of expertise.	1. Increasing strengths of Private Universities and Institutions running the similar courses/programmes 2. Poor or late response from the Student's Parents. 3. Faculty exchange rate is very high 4. Decreasing of Students attendance in classes 5. Recruiting the Quality fresh teachers is the biggest challenges. 6. Qualities, dedication and commitment in students are decreasing because of various socio-economic and environmental parameters. 7. Communication skills and etiquettes within the current generation of students is a great concern. 8. Students and Faculties adopting for short term goals over long term career development approach. 9. Post Covid-19 writing habits within the students have been reduced almost as online examination were conducted. 10. Growing requirements of online classes at PG Level since more students are opting for employment. 11. Students' strengths vs. infrastructure facilities are the greatest challenge. 12. Increasing of Drop out ratio. 13. Different curriculum of same course/programme within the University. 14. Candidates turn out ratio for the faculty's recruitment is major challenge
---	--

EVENTS PHOTOGRAPHS

ADMISSION ANALYSIS







