



SELF STUDY REPORT

FOR

4th CYCLE OF ACCREDITATION

**THE MAHARAJA SAYAJIRAO UNIVERSITY OF
BARODA**

FATEHSINGHRAO GAEKWAD ROAD, FATEHGUNJ

390002

www.msubaroda.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The Maharaja Sayajirao University of Baroda (MSUB) is a Multi-Disciplinary Education Research University (MERU). It aims to sustain the deep-rooted social and national values of ancient India. Earlier, Educational institutions which preceded MSUB included the "Baroda College" founded in the year 1881 by His Highness Maharaja Sayajirao Gaekwad-III. His Highness Maharaja Pratapsinhrao Gaekwad pursued the idea of establishing a University and on the recommendation of the Committee, the Baroda State, in its Order Number RI169-39 dated 21st February 1949 set up the University. MSUB being a State (Grants-in-Aid) University being a unitary, residential university was established on 30th April 1949 and has been recognized by the Government of India under the Indian Universities Act, 1958.

The Satyam Shivam Sundaram of the university stands for 'Truthfulness-Godliness and Beauty. It is globally recognized premier institution of Education, Teaching-Learning, and Research. The MSUB inherit a rich legacy, cultural heritage and pool of majestic buildings and heritage structures. The distinguished and illustrious alumni of the MSUB include viz., Dr Venkatraman Ramakrishnan (Nobel Laureate); Acharya Vinoba Bhaveji (Bharat Ratna Awardee), Dr. Babasaheb Bhimrao Ambedkarji, Maharishi Aurbindoji. Many of them are Padma Vibhushan and Padmashri awardees. The MSUB comprises of 14 Faculties viz., Arts, Commerce, Education and Psychology, Family and Community Sciences, Fine Arts, Journalism and Communication, Law, Management Studies, Medicine, Performing Arts, Pharmacy, Science, Social Work, and Technology and Engineering, and 03 Constituent Colleges viz., Baroda Sanskrit Mahavidyalaya, M K Amin Arts and Science College and College of Commerce, Padra and Polytechnic College. It has established 98 Departments, 10 Institutes, 28 Centres, 08 Cells and 10 Offices. The MSUB comprises 12 satellite campuses spread in 275 acres is completely Wi-Fi-enabled and Divyangjan-friendly. It is having adequate Physical/Sports/Information Technology infrastructural facilities/amenities. The MSUB's Governance is routed through authorities of the university viz., Senate/Syndicate, PG Council of Studies and Research, Faculty and Board of Studies. It offers co-educational Academic Programmes from Kindergarten to a doctoral level degree on Grants-in-Aid/ Self-Financed basis. MSUB is accredited by the National Assessment and Accreditation Council for a period of five years with 'A' Grade with CGPA of 3.16 since December 2016.

Vision

"The progress of a nation requires that its people should be educated. Knowledge is a necessity of man. It instils in him a desire to question and investigate, which leads him on the path of progress. Education, in the broadest sense, must be spread everywhere. Progress can only be achieved by the spread of education. Cooperation is necessary to achieve any worthy end and this readiness to cooperate will not be found in people if they are not educated".

-H.H. Maharaja Sayajirao Gaekwad-III.

The core value of the MSUB is articulated in its Vision and Mission. The lofty ideals and the high Graduate Attributes are reflected in the human quality, personality and success of its alumni. It aims to inculcate human values, tolerance, compassion, and equanimity among students and staff. It has consistently put efforts to sustain an environment of academic excellence and innovative research to enable students and staff think

glocally to create an equitable society that ensures better quality of life for all. It has a strong ethical work culture and inclusivity. The MSUB is fully aware of its obligations towards its stakeholders and significantly contribute to society. The MSUB has therefore established Faculties/Institutes/Cells/Centres/Offices that are being considered as a sharp deviation from the norms of traditional academics while remaining within the realm of the permissible conventional basis of knowledge creation, assimilation and dissemination. These cover pedagogic approaches and styles, incorporation of state-of-the-art technologies and liberty of decision making at the smallest level of operations.

The MSUB has put possible efforts to accommodate students of Vadodara city for their graduate studies as enshrined in the vision of H.H. Maharaja Sir Sayajirao Gaekwad-III. Implementation of CBCS/Electives offers students a cafeteria approach supported with launch of innovative interdisciplinary academic programmes to cater needs of industry, society and India. A wide range of academic, research, extension, co-curricular, and extra-curricular activities are being organized by students which offers them real-life exposure and experience and it is also helpful in strengthening connect with industry and society. We have been working as a team to grow in our pursuit of knowledge and excellence.

Mission

- Promoting and enhancing high standards of teaching, learning and research for all-around development of students.
- Providing a learning environment that nurtures critical reflections, exchange of ideas and innovation among students to help them realize their optimum potential.
- Increasing access to education by all sections of the society.
- Relating knowledge to the contemporary socio-economic needs and moral concerns.
- Building mutually enriching linkages with the society and its institutions.

The MSUB was established as Baroda College to address the educational needs of all caste and tribes. Therefore, its Mission Statement is comprehensive for all academic, research and extension activities. It has been able to sustain basic traditional values for the benefit of all stakeholders. It comprises of centres of Traditional Indian practices, viz., 'The Baroda Sanskrit Mahavidyalaya' and 'The Oriental Institute' for knowledge dissemination and practice of Indian Traditional Values. The MSUB has put efforts to translate its vision and mission into practice to empower students through viz., sustain an environment of academic excellence and innovations with research inputs, create professionals with sound knowledge-base and dynamic applications for Government, Industries, Academia, NGOs to contribute for positive social change through transfer of technical knowhow, research, training and community outreach programmes. It aims to build research culture through the strengthening of collaborations, and linkages for Research and Consultancy by providing hands-on experience for training students and placing them. It continually enriches and updates the curriculum, conduct research in emerging and disruptive areas to contribute to social intervention programs through indigenous, context-specific solutions and innovations. It envisages undertaking multi-faceted activities from the perspective of women's empowerment and Divyangjan. The MSUB has its perspective plan to translate its vision and mission into reality for student-centric teaching-learning processes, use of ICT, virtual classrooms and infrastructure augmentation to promote an online Education/Engagement/Evaluation/academic administration to foster global competencies through teaching-learning, research and extension activities. The MSUB being residential implies a holistic educational philosophy. As a temple of knowledge, it aims to cater basic and specialized needs of society. Its website is one of the key sources to stay connected with all stakeholders.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Rich Cultural Heritage:

The MSUB has the second biggest dome in Asia. Its Faculties of Arts, Performing Arts and Technology are housed in majestic heritage buildings. Archaeology Museum preserves relics of Lord Buddha.

International and National Rankings:

The MSUB has “A’ Grade NAAC Re-Accreditation (2016) and secured 90th rank in NIRF:2021. It has featured in the THE-World University Rankings/THE-ASIAN and QS Rankings.

Illustrious Alumni:

MSUB eminent alumni include viz., Dr Venkatraman Ramakrishnan (Nobel Laureate); Acharya Vinoba Bhaveji (Bharat Ratna Awardee), Dr. Babasaheb Bhimrao Ambedkarji, Maharishi Aurbindoji, and many of them are awardees of Padma Vibhushan/Padma Shri/ Aryabhata /Arjun and Shanti Swarup Bhatnagar Award etc.

Integration of Indian and Foreign Languages:

The MSUB offers a linguistic basket of Sanskrit, English, Gujarati, Marathi, Sindhi, Urdu, Persian, Arabic, Russian, French and German.

Strong Eco-System For Academic, Research and Extension:

The MSUB being MERU has implemented CBCS and or Electives/Specialisation. Its 51 Department receives funding. Its h-Index is 99, with 4800+ (Scopus 2000+) research publications, average impact factor of 3.84 and all-time citations of 95624. It organizes numerous extension activities, viz., Swachh Bharat, Say No to Plastics, Anti-Drug Addiction Drive, Save Planet, Climate Change etc.

Student-Centric and Interdisciplinary Approach:

The MSUB has adopted student-centric and interdisciplinary approach in teaching-learning, research, extension and academic administration.

Adequate Physical, Sports and ICT Infrastructure:

The MSUB campus is Wi-Fi-enabled with adequate Academic/Physical/Sports/IT Infrastructure supported with Health /Computer/Student Facilitation Centers. Its central library has rich collection of rare books, manuscripts, reference books/textbooks and rich pool of e-resources/databases.

Directorate of Students’ Welfare :

It provides Scholarships/Fee Waivers to Divyangjan/wards of martyrs, and students of economically weaker sections of society.

e-Governance Initiatives:

The MSUB maintains the Digital Life Cycle of students. Its computer centre has indigenously developed Online Portals for WFMS, ARMS and online Teaching/ Engagements/Examinations, Accounts/Audit etc.

Collaborations of MSU:

MSUB has executed 400+ Collaborations with 45 International and 125 National functional MOUs. It has a partnership with European Union Erasmus Mundus Mobility Consortium.

Feedback and Action Taken Report from Stakeholders:

The MSUB collects offline /online feedback using formal and informal mechanisms from Students, Teachers, Peers, Recruiters/Employers, Parents, and Alumni.

Institutional Weakness

- **Shortage of Hostel Accommodation Facilities:**

The Gross Enrolment Ratio of the MSUB has substantially moved up by 18%. It consists of more than 50 percent of female students and staff. It calls for the construction of separate hostels especially for Girls' students and International students. The MSUB is awaiting disbursement of financial support for the approved proposal from the Government of Gujarat. It is also to receive financial support from Linde Engineering India private Ltd to a tune of Rupees 4 Crores under CSR to university.

- **High Impact Factor Research Publication:**

The MSUB requires augmentation in research output per teacher considering publications, research projects and PhD guidance and high impact factor research publications in Humanities and Social Sciences.

- **Career Counselling and Guidance:**

The MSUB successfully attracts students across India. It admits a significant number of international students from 55 countries. They require career counselling, guidance and hand-holding to help them realize their creative pursuits and innovativeness. The MSUB needs to improve the frequency and range of activities of its 'Career Counselling, Training and Placement Cell'. The component of Vocational Education and Guidance needs integration in curriculum design to support the teaching-learning experience of students.

- **Innovation, Start-Up and Entrepreneurial Development :**

The MSUB has established the Center for Startup and Innovation (CFSI), the Center for Incubation (CFI) and The Maharaja Sayajirao Innovation Startup and Entrepreneurship Center (MSISEC) under the Office of Career Advancement for students to support innovations, incubation and start-ups. However, the university needs to strengthen its eco-system for innovation, incubation, start-up, skill development and entrepreneurial development activities.

- **Alliances and Linkages:**

The MSUB requires to further strengthen its associations and linkage especially with industry, alumni, and other stakeholders. It is crucial especially in the mobilization of financial resources. It shall play important role in enhancing internships, apprenticeships and mentorships. The MSUB has established the Office of International Affairs and Office of Alumni and Donors' relationships for the same.

- **International Faculty:**

International exposure to students is significant and calls for attracting international faculty members. The MSUB invites them as visiting faculty but need to institutionalize it.

Institutional Opportunity

- **Implementation of National Education Policy:2020:**

The MSUB has prepared an 'Institutional Development Plan' for the implementation of NEP: 2020. The other initiatives include the adoption of 'Academic Bank of Credit', Multiple Entry/Exit and Internationalization of Higher Education respectively.

- **Exploring and Strengthening Emerging and Identified Thrust Areas of Teaching And Research:**

The MSUB being MERU has adopted an interdisciplinary approach and need to explore emerging areas viz., Machine Learning, Artificial Intelligence, BlockChain etc. and its identified thrust areas viz., Bio-Technology, Bio-Informatics, Cell and Molecular Biology, Environmental Sciences, Nano-Technology, Petroleum Geology, Embedded Systems, Packaging Engineering, Welding Technology, Disaster Management etc. which offers opportunities to enhance trans-disciplinary research.

- **Strengthening Alumni Engagement Network:**

The MSUB has more than 300 alumni associations worldwide comprising of illustrious alumni known globally for their eminence contribution and recognition and are now being networked by 'The Office of Alumni Affairs and Donors' Relationships' which organizes Alumni Meet, Heritage Walk/Exhibitions and make Short Films on MSU Heritage. Alumni connect can play a vibrant role in training, counselling, mentoring, internships and Placements and conduct of academic/research/cultural/and sports events coupled with development/ renovation of infrastructural facilities/amenities.

- **Enhancing Internationalization of Higher Education:**

The MSUB has a good potential to accelerate the internationalization of its academic and research activities considering its academic reputation and positive people perception globally that becomes evident with widespread worldwide illustrious alumni and its consistent ranking in Times Higher Education and QS Ranking.

- **e-Content Development:**

Some teachers have created e-Content and conducted MOOC courses on SWAYAM through CEC. The MSUB need to leverage available facilities of MOOC and e-content development.

- **Strengthening Collaborations and University-Industry linkage:**

The MSUB needs to further strengthen collaborations and linkages especially with industry for promoting interdisciplinary teaching and research activities.

- **Technology Transfer for Commercialization:**

The MSUB has established a 'Technology Transfer Cell' that becomes evident from the number of granted and published patents and copyrights by improving the eco-system to facilitate technology development and transfer.

- **Institutionalization of Chairs and Centres of Excellence:**

The University has a wide scope for institutionalizing specialized Chairs under various faculties/departments. It should establish Centres of Excellence in the university.

Institutional Challenge

- **Renovation and Maintenance of Heritage and Majestic Buildings :**

The MSUB have a vast pool of heritage structures. It has inherited many majestic, heritage buildings from the erstwhile Baroda College. It faces a big challenge especially to maintain heritage buildings that require adherence to norms of the Archaeological Survey of India.

- **Maintenance of Campuses and Infrastructure Augmentation:**

The MSUB was established in 1949, and its GER has increased by 18% which has built pressure on academic administration and Governance structure to support the conduct of quality research and impart quality education to students. The major source of funding is financial support from GOG. But, 98% of yearly grants are being utilized in making payments of salaries. The MSUB faces the challenge of augmentation of Physical, IT, and Human infrastructure and implementation of an expansion plan for developing new campuses because the university is unable to procure reserved land by GOG because of financial limitations. Besides, maintenance of physical infrastructure, as well as its security and daily housekeeping, has raised challenges because of financial constraints aggravated by non-availability of staff (Teaching and Non-Teaching) because of non-availability of staff on reserved posts and abolishment of Posts.

- **Human Resource Planning Development And Training :**

The MSUB offers UG and PG integrated structure unlike other HEIs which cater to only PG teaching and therefore the MSUB faces the challenge of 'Human Resource Planning And Development. Although, the MSUB sought approval from GOG for 682 Teaching Posts and 932 Non-Teaching Posts (Excluding Class-IV) in the current NAAC Cycle. The MSUB has also issued a Recruitment Notification in 2019 to fill up 682 Teaching Posts, and could fill up 50 Posts because of Covid-19. It has also filled up most of the notified 'Officers Posts' (Non-Teaching) . The MSUB faces a shortfall of more than 50% of permanent staff which affects adversely quality of education, research output, re-accreditation and NIRF Ranking. Though , the MSUB appoints staff in Higher Payment (self-financed) Programmes. Adequate staffing and training them to equip for the continually changing academic challenges are important task and is given top priority by the

university.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The Maharaja Sayajirao University of Baroda (MSUB) offers interdisciplinary, multi-disciplinary, and practical-oriented academic programmes. Outcome based educational elements, like, PEOs, POs, PSOs and COs are being determined & mapped for UG/PG Degree/Diploma Programmes. The MSUB has adopted CBCS and offers Electives/Specialization. The curricula aim to integrate its' application to sharpen technical, conceptual, & human skills of students to nurture & promote innovation, incubation, in-house start-up, entrepreneurship activities and development of their soft, employability, and professional skills. The students avail hands-on experience with Projects/Industrial Training/Fieldwork & Internships. collaborations & linkages with industry, institutions & NGOs etc. enhance capacity building, critical thinking and scientific temper of students. Co-curricular & extension activities viz., NSS/NCC/ACC, Sports, Yoga etc. inculcate national values of democracy, diversity & inclusion, and human dignity among students. MSUB has launched innovative Academic Programmes/ Certificate/Value-Added Courses to sensitize students on millennium & sustainable development goals. To better meet students' global needs & to build their empowered citizenships, MSUB has updated/revised 88% of its academic programs. The curriculum strives to achieve holistic growth and integrated personality development of students through modules on Gender, Environment, Sustainability, Human Values, Academic Integrity and Professional Ethics. It has approved 'Academic Integrity Policy', 'Code of Ethics, & 'Gender Equity Policy' for students and staff. It has conducted a 'Gender Audit' also. The MSUB consists of more than 50 percent female students and staff. It aims for an inclusive society that strives for women empowerment supported with activities of UGC's Women Science Research Center. The curriculum of university focuses on Environmental Sustainability offering Courses/topics on various environmental aspects viz., Sustainable Development, Climate Change, Disaster Management, Energy Conservation, Non-Conventional Energy Resources, Bio-Diversity and Waste Water Recycling, Hazardous and Safety Management, Environmental Social Work, Green HR, Green Chemistry, Environmental Ethics and other Ecological Issues. The university has approved 'Green Policy' and has conducted a Green/Environment/Water and Energy Audit. The MSUB ensures strict adherence to research ethics, and animal ethics in the conduct of research activities. The PhD Course work is mandatory on Professional Ethics, Human Values and Academic Integrity. Ph D Guides have access to iThenticate/Ouriginal anti-plagiarism software.

Teaching-learning and Evaluation

The Faculty/Department conducts an orientation programme with the active participation of the faculty members, Subject/ Class/ Unit/ Academic Program Co-ordinators, Dean of Students/Dean of Sports to sensitize newly admitted students on academic structure, CBCS, Examinations, Library, Laboratory, & Sports etc. The MSUB provides off-line/online academic-career guidance & counselling. Student-centric learning is a key objective of the university. The MSUB has adopted a multi-strategy model to improve the overall experience of students by using experiential, collaborative and participative teaching-learning. It assesses learning levels of students considering their diverse background, past performance in the examinations, participation in tutorial sessions, theory/practical classes to identify slow and advanced learners. It organizes special courses and conducts remedial classes. Slow learners require language support, reasoning ability, problem-solving hints, and discipline-specific knowledge whereas Advanced Learners are persuaded to visit and use libraries,

laboratories and equipment facilities. S/he is assigned additional tasks viz., solving higher-level questions of Bloom's Taxonomy, undertaking small research, conducting market survey etc. Each class is associated with a mentor-teacher. The MSUB has established Equal Opportunity Cell, Career Counselling and Placement Cell, and Office of Career Advancement of Students. Special batches & classes of NET/SET are being conducted. Teachers are available on off-line/online mode to make students understand the topic in mother-tongue. The entire MSUB campus is Wi-Fi-enabled which facilitates blended teaching-learning. Teachers provide online teaching by making use of ICT tools & open source software viz., Microsoft Teams, ZOOM, Google Meet, WebEx & LMS for online teaching. Some teachers have created e-Content and have also conducted MOOC courses on SWAYAM through CEC. Teaching, Examination and Evaluation Schemes are prepared with clearly defined measurable POs, PSOs, and Cos, Course Outcomes and the Learning Objectives that are mapped through continuous and comprehensive assessment in internal and semester-end examinations that are conducted online/offline mode based on Bloom's Taxonomy. Each of the Faculty/Department verifies documents for mapping of attainment of PEOs, POs, PSOs and COs using direct and indirect methods. The MSUB has implemented e-Governance initiatives viz., Students' Life Cycle Management, Portals for Online Engagement/Examinations, MEP, Ph.D. framework & Virtual Convocation was held in 2021.

Research, Innovations and Extension

The MSUB is a Multi-Disciplinary Education and Research University (MERU). It has implemented several initiatives to build and sustain robust research culture. It has a well-defined 'Research Policy, Academic Integrity Policy, & Consultancy Policy and a 'Research Handbook' for research scholars. It has set up an 'Academic Development Fund' to promote research mainly to provide financial support for conducting Minor Research Projects, Publications, Travels, Patents, Seminars/Workshops and one-time seed grant to establish 'Research Cells' & 'Computer Centres in Faculty/College. The MSUB has institutionalized awards & monetary incentives for high-impact, highly cited publications. Some PhD Scholars have earned prestigious Prime-Minister/ ICMR/Women Scientist Fellowships. A large number of research scholars have earned scholarships under Shodh from the Government of Gujarat. It has well-established physical facilities, laboratories, an animal house, and an instrumentation centre. It has established 'Research and 'Consultancy Cell' & 'Institute of Interdisciplinary studies' to support research & consulting activities.

The MSUB's consultancy policy has clearly specified viz. Eligibility, Terminology, Terms and Conditions for Consultancy, University Consultancy Charges and Fee for scientific and technical advice. It continually organizes Workshops, Webinars/ Seminars on Research Methodology, Ethics in Research, and Intellectual Property Rights etc. Its central library has a rich collection of rare books, manuscripts, references/textbooks and a rich pool of e-resources in form of e-books, software and e-databases. The MSUB has established CFSI and CFI under the Office of Career Advancement for Students and MSISEC to support innovations and start-ups. Center for Publication Ethics' conduct course on 'Research and Publication Ethics'. During NAAC Cycle-4, the MSUB has mobilized funds worth Rs. 121 Crores through 370 sponsored research projects, and 5.06 Crores from consultancy assignments. The MSUB has disbursed Rs. 104 Lakhs to support 105 research projects. MSUB's has h-Index 99, i10-index 2613, 4800+ Research Publications (Scopus 2000+), the average impact factor of 3.84 and all-time citations as 95624, 400+ industrial collaborations with 51 Departments having financial support from funding agencies. The MSUB organizes varied extension activities, viz., Swachh Bharat, Say No to Plastics, Anti-Drug Addiction Drive, Save Planet & Climate Change etc., to sensitize and develop awareness among students and other stakeholders.

Infrastructure and Learning Resources

The MSUB campus is completely Wi-Fi-enabled & Divyangjan-friendly. It is having adequate Physical & IT infrastructural facilities/amenities viz., 460 Classrooms, 63 Seminar Halls and Conference Rooms, 230 Laboratories, 04 Girls and 12 Boys Hostels. It has a Health Centre, Computer Centre, Students' Facilitation Centre, ATMs, Campus Branch of Bank of Baroda, Printing Press, University/VIP Guest House, 10 Auditoriums, 03 Open Air Theaters /Amphitheatres, 03 Museums, Play/Concert Hall, Playbox, and 04 Art Galleries. It has an Astronomical Observatory, 8-Inch Refractor Telescope, an Arboretum, a Botanical Garden and an Animal House.

The MSUB students' Union Pavilion of the Department of Physical Education provides state of art facilities for indoor and outdoor sport/ games, physical Education, Yoga for students, staff and alumni. It consists of Swimming Pool, Gymnasium, Multi-Purpose Indoor Sports Complex, Two Cricket Ground, Basketball Court, Badminton Court, Hand Ball Court, Table –Tennis Court, 02 Tennis Courts with a wooden floor, a Table Tennis Hall, Hockey Turf, Two Volleyball Courts, Football Pitch, Kabaddi Courts, Kho-Kho Courts, and Clay Courts. It organizes "Inter & Intra-faculty/ Department competitions and also arranges various sports events/tournaments sponsored by Government like Khel-Mahakumbh, and also by different Sports Academies/Clubs/Associations etc at Local, District, State and National level respectively. Girl's/Boys Common Rooms & Washrooms are available in the university. The MSUB has 13 Constituent and 25 Departmental libraries, and 'Smt. Hansa Mehta Library' is equipped with viz., Centralized Air-Conditioned Reading Room, e-Resource Centre, Portal for Online Registration, and it is in process of transforming to SOUL to 3.0. It has digitized 3900+PhD Theses. It has Digital Boards, Smart Class Room, Audio Visual Studio & Video Conferencing facilities. It has procured 5800+ Computers, 700+ Cameras for CCTV Surveillance. It has established systems and procedures for maintaining and utilizing the physical academic support & infrastructural facilities. It has indigenously implemented the MSUBIS project to implement the 'Digital University framework' with budget allocation of Rupees 3 Crores. It has approved Maintenance Policy, Information Technology Policy, e-Governance & e-Waste Policies. It has formed Committees for e-Procurement, Security & Maintenance. It supports Centres of AICTE, New Delhi IGNOU, New Delhi, BAOU, Ahmedabad, GSLET & CCC Examinations.

Student Support and Progression

The MSUB Act,1949 provides for an elected body of Students' University Union & its General Secretary, Vice-President (Reserved only for Girl Students) to become the ex-officio Senate members of the University. Elected Faculty General Secretary, Faculty/Class Representatives from Students' Association. Each year, Youth festival is organized with the support of Dean of Students and Dean of Sports. MSUB celebrates commemorative days, festivals/events of national importance viz., International Yoga Day, Environment Day, Fit India Movement etc. It organizes awareness drives on Campus Cleanliness, Corona Awareness, Voter's Awareness, Khel Mahakumbh etc. Some prestigious students' events include viz., Prerna, Paramarsh, Footprints, BBA Baazigar, Cyberia, Yuvaantas, Techkshetra, Neev, Aditya, Kafila etc. The Communication Cell releases monthly e-newsletter 'Connect' having features viz., Cover Story, Hall Of Fame, Awards, Glimpses of university activities to showcase achievements/recognition of staff and students. MSUB has an illustrious list of eminent alumni which includes viz., Dr Venkatraman Ramakrishnan (Nobel Laureate); Acharya Vinoba Bhaveji (Bharat Ratna Awardee), Maharishi Aurbindoji, Dr. Babasaheb Bhimrao Ambedkarji, Dadasaheb Phalke, Kaniyalal Munshiji, and many awardees viz., Padma Vibhushan/Padma Shri/ Aryabhata /Arjun and Shanti Swaroop Bhatnagar Award etc.

The Office of Alumni Affairs and Donors' Relationships organizes Alumni Meet, Heritage Walk/Exhibitions & make Short Films on MSUB Heritage to foster confidence, discipline, partnership, team building,

communication, leadership, managerial skills, to ensure holistic growth & development of students (alumni.MSUBaroda.ac.in). The MSUB alumni help in developing infrastructure, equipping/refurbishing laboratories, institutionalizing gold medals, and providing scholarships etc.

The MSUB has signed an MoU with alumni settled in silicon valley called 'MSUB Vision 2020' to support Mentoring, Incubator Program & to offer meritorious scholarships. Alumni's contributions include viz., development/Renovation/Refurbishing of Computer Laboratories/Seminar Halls/Libraries/Amphitheatre, & providing Furniture & Equipment etc. Alumni extends support for Project Work/Field Work, Industrial Visits, Training, Career Counselling, Mentoring, Apprenticeships, Internships & Placements. Alumni provides financial, logistic and managerial support for the conduct of academic, cultural and sports activities/events. The MSUB has launched Distinguished Alumni awards. It has established the 'Directorate of Student's Welfare' for providing scholarships to students belonging to economically weaker sections of society. It received a special award for supporting Thalassemia Screening from Hon'ble Governor, Government of Gujarat.

Governance, Leadership and Management

The vision of MSUB is that the progress of a nation requires that its people should be educated. Its mission is to make learning a joy and to create an equitable and gender-just society. The MSUB has been Re-Accredited by NAAC with 'A' Grade (2016). It has been featured in the Times Higher Education World University Rankings, THE-ASIAN, & QS Ranking. MSUB has secured 90th Rank in NIRF Ranking:2021. MSUB was recognized as the 'Best University and won 3 Awards viz., Students' Performance in NET & GSLET, NAAC & Research & Consultancy conferred by Government of Gujarat (GOG). MSUB has prepared a strategic plan for 'Implementation of the NEP: 2020'.

The Governor of Gujrat is a visitor as per the MSUB, Act 1949. The authorities of MSUB are Senate, Syndicate, Faculties, Council of Post-Graduate Studies & Research, Board of Studies and Board of Accounts. MSUB has established sections viz., Accounts, Audit, ADE, ADM, GCU, Academic, Examinations, GCU, GeM Purchase Cell, & Construction Division to carry out academic administration. The MSUB constitutes statutory committees viz., Purchase, Finance & Establishment, Investment, Building etc. Decentralization and participative management are intrinsic to the work culture resultant in democratic decision-making. The university provides a platform for interactive interface and partnerships to its teaching and research community. All permanent employees avail financial benefits, leave entitlement and welfare measures & adhere performance appraisal system as per Government Resolutions of GOG. The university has set up MSUB Welfare Fund & Staff Credit Society.

The major source of receipts is Grants from GOG & financial support from various other funding Agencies/Councils/Commissions. The University receives financial support from the industry under CSR & intangible support and donations from Alumni. The audit section is responsible for adherence of due compliances and submission of replies of Audit Paras, of AG of GOG. The IQAC has institutionalized quality assurance strategies & processes based on the feedback of various stakeholders to inculcate and internalize the quality parameters and best practices of the university. The MSUB periodically collects individual offline /online feedback using formal & informal mechanisms from Students, Teachers, Peers, Recruiters/Employers, Parents, and Alumni.

Institutional Values and Best Practices

The MSUB aims to sustain deep-rooted social and national values of ancient India. It adheres to Government policies for staff recruitment & admissions to students. It has a strong ethical work culture, & active participation of females in academics, administration & Governance. It has established Anti-Ragging Committees, WGRC, Non-Discrimination Policy, and offer courses on Gender Sensitivity. The MSUB has appointed Security & Vigilance Officer and Gents & Mahila Vigilance Squads separately. MSUB provides informal/formal Counselling, Guidance, and mentorship to students by teachers. “Marg”, a counselling centre named is functioning in the University Health Centre and teachers of Faculty of Education & psychology provides psychological counselling to students & staff. It has set up a Day Care Centre & a Crèche to take care of kids/infants.

The MSUB has framed Green Policy, e-Waste disposal policy and a well-established system to collect & dispose of Solid, Liquid, Bio-Medical Degradable and Non-Degradable Waste. The MSUB has undertaken a Green/Environment/, Energy and Water Audit. It has students' enrolment across India and International Students from 55 countries. It takes special care of Divyangjan by providing specific services/facilities to them. The MSUB sensitizes students and staff towards cultural, regional, linguistic communal and socio-economic diversities. The Institute of Leadership and Governance offers certificate courses on constitutional obligations, Bhagwad Geeta, Learning from Mahabharata & Ramayana, Kautilya Arthshastra Sayajirao Gaekwad, Sardar Patel, Veer Savarkar, etc. The MSUB celebrates commemorative days viz., Establishment Day of University, Birth Anniversary and Day of Coronation of Maharaja Sayajirao and various such other events and festivals to inculcate social responsibilities and human values. As one of the best practices, the MSUB's Computer Centre has indigenously developed MSUBIS to integrate different e-Governance modules under a single ERP framework, to promote transparency, openness and customized Generation/submission/Retrieval /Archival of Data/ Reports by removing barriers of place and time to efficiently manage and govern academic and administrative operations and ultimately enhance e-Governance practices of the university. The second-best practice focuses on preparedness of 'MSUB's Initiatives & Development Plan' for implementation of National Education Policy:2020 to achieve synergy in the vision & mission of MSUB with objectives of NEP:2020.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the University	
Name	THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
Address	Fatehsingh Rao Gaekwad Road, Fatehgunj
City	Vadodara
State	Gujarat
Pin	390002
Website	www.msubaroda.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	Parimal H Vyas	265-2795600	9825237942	265-2793693	naac@msubaroda.ac.in
IQAC / CIQA coordinator	B S Chakrabarty	265-2795521	9427323730	265-2792277	naac2021@msubaroda.ac.in

Nature of University	
Nature of University	State University

Type of University	
Type of University	Unitary

Establishment Details	
Establishment Date of the University	30-04-1949
Status Prior to Establishment, If applicable	Autonomous College
Establishment Date	25-04-1881

Recognition Details		
Date of Recognition as a University by UGC or Any Other National Agency :		
Under Section	Date	View Document
2f of UGC	30-04-1949	View Document
12B of UGC	25-06-2013	View Document

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

Location, Area and Activity of Campus							
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.	Programmes Offered	Date of Establishment	Date of Recognition by UGC/MHRD
Main campus	Fatehsingh Rao Gaekwad Road, Fatehgunj	Urban	275	347875	UG, PG, PhD, PG Diploma		

2.2 ACADEMIC INFORMATION

Affiliated Institutions to the University

Type of Colleges	Permanent	Temporary	Total
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Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	3
Affiliated Colleges	0
Colleges Under 2(f)	0
Colleges Under 2(f) and 12B	0
NAAC Accredited Colleges	0
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	0
Colleges with Postgraduate Departments	0
Colleges with Research Departments	0
University Recognized Research Institutes/Centers	0

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)		: Yes
SRA program	Document	
AICTE	107310_6679_1_1632741791.pdf	
NCTE	107310_6679_4_1632741775.pdf	
PCI	107310_6679_6_1632741767.pdf	
BCI	107310_6679_8_1632741759.pdf	
COA	107310_6679_18_1632741750.pdf	

Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned	155				264				701			
Recruited	66	48	0	114	103	50	0	153	153	142	0	295
Yet to Recruit	41				111				406			
On Contract	0	0	0	0	0	0	0	0	141	236	0	377

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned				1141
Recruited	326	57	0	383
Yet to Recruit				758
On Contract	278	90	0	368

Technical Staff				
	Male	Female	Others	Total
Sanctioned				672
Recruited	117	23	0	140
Yet to Recruit				532
On Contract	137	63	0	200

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	66	48	0	75	35	0	93	93	0	410
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	28	15	0	60	49	0	152
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	28	77	0	105
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	113	159	0	272
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Distinguished Academicians Appointed As

	Male	Female	Others	Total
Emeritus Professor	0	0	0	0
Adjunct Professor	0	0	0	0
Visiting Professor	0	0	0	0

Chairs Instituted by the University

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	Social Work	Dr. B R Ambedkar Chair	Ministry of Social Justice and Empowerment
2	Metallurgical and Materials Engineering	Steel Chair	Steel Authority of India
3	Metallurgical and Materials Engineering	L and T Chair	Larsen and Toubro
4	Economics	RBI Chair	Reserve Bank of India
5	Faculty of Arts	Tagore Chair	The Maharaja Sayajirao University of Baroda

Provide the Following Details of Students Enrolled in the University During the Current Academic Year

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	12866	783	0	5	13654
	Female	13121	890	0	5	14016
	Others	0	0	0	0	0
PG	Male	2211	165	0	6	2382
	Female	3116	347	0	5	3468
	Others	0	0	0	0	0
PG Diploma recognised by statutory authority including university	Male	239	3	0	0	242
	Female	343	17	0	0	360
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	451	51	3	0	505
	Female	466	60	2	0	528
	Others	0	0	0	0	0
Diploma	Male	1867	3	0	0	1870
	Female	431	2	0	0	433
	Others	0	0	0	0	0
Certificate / Awareness	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	Yes
Total Number of Integrated Programme	2

Integrated Programme	From the State where university is located	From other States of India	NRI students	Foreign Students	Total
Male	304	56	0	0	360
Female	403	76	0	0	479
Others	0	0	0	0	0

Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	Nil
Number of UGC Orientation Programmes	0
Number of UGC Refresher Course	0
Number of University's own Programmes	0
Total Number of Programmes Conducted (last five years)	0

Accreditation Details

Cycle Info	Accreditation	Grade	CGPA	Upload Peer Team Report
Cycle 1	Accreditation	Four Star	70.7	MSUCycle1Report.pdf
Cycle 2	Accreditation	B	2.71	MSUCycle2Report.pdf
Cycle 3	Accreditation	A	3.16	MSUCycle3Report.pdf

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Accounting And Financial Management	View Document
Applied Arts	View Document
Applied Chemistry	View Document
Applied Mathematics	View Document
Applied Mechanics And Structural Engineering	View Document
Applied Physics	View Document
Archaeology And Ancient History	View Document
Architecture	View Document
Art History And Aesthetics	View Document
Banking And Insurance	View Document
Baroda Sanskrit Mahavidyalay	View Document
Biochemistry	View Document
Botany	View Document
Business Economics	View Document
Chemical Engineering	View Document
Chemistry	View Document
Civil Engineering	View Document
Classical Music Vocal	View Document
Clothing And Textile	View Document
Commerce And Business Management	View Document
Computer Science And Engineering	View Document
Cooperative Management And Rural Studies	View Document
Dance	View Document
Dramatics	View Document
Economics	View Document
Education	View Document
Educational Administration	View Document
Electrical Engineering	View Document

English	View Document
Environmental Studies	View Document
Extension And Communication	View Document
Family And Community Resource Management	View Document
Foods And Nutrition	View Document
French	View Document
Geography	View Document
Geology	View Document
German	View Document
Graphic Arts	View Document
Gujarati	View Document
Hindi	View Document
History	View Document
Human Development And Family Studies	View Document
Instrument Music Sitar And Violin	View Document
Journalism And Communication	View Document
Law	View Document
Library And Information Sciences	View Document
Linguistics	View Document
Management Studies	View Document
Marathi	View Document
Mathematics	View Document
Mechanical Engineering	View Document
Metallurgical And Materials Engineering	View Document
Microbiology And Biotechnology	View Document
Museology	View Document
Painting	View Document
Persian Arabic And Urdu	View Document
Pharmacy	View Document

Philosophy	View Document
Physical Education	View Document
Physics	View Document
Political Science	View Document
Psychology	View Document
Russian	View Document
Sanskrit Pali And Prakrit	View Document
Sculpture	View Document
Sindhi	View Document
Social Work	View Document
Sociology	View Document
Statistics	View Document
Tabla	View Document
Textile Chemistry	View Document
Textile Engineering	View Document
Water Resource Engineering And Management Institute	View Document
Zoology	View Document

Institutional preparedness for NEP

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>MSUB offers interdisciplinary/integrated academic programmes with adoption of CBCS/Electives/Specialization and also Certificate/Add-on/Value Added Courses. The students' have an option to choose from Intra-Faculty/Inter-Faculty options of Core/Elective and or Open Elective/Interdisciplinary Electives that are offered with seamless credit transfer in modular form. The university is fortunate to have competent faculties who proficiently design the curricular aspects. MSUB offers more than 6500 Core, Interdisciplinary and Multidisciplinary Courses. The CBCS provides access to a large number of interdisciplinary diverse and substantial choices concerning Sports, Performing Arts and Foreign</p>
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Languages. Credit transfer facility exists for academic programmes which have partnerships with International Universities which mainly comprises Western European Universities. The vertical flexibility is provided in professional courses viz., MCA, MBA, MSW, LL.B., B. Ed., etc. and student of Arts can join the BCA Programme, Students can join from viz., B.E. (Mechanical) to M.E. (Metallurgical Engineering), B.E. (Chemical Engineering) and B.E. (Metallurgical Engineering), B.Sc. (Chemistry) to M.Sc. (Bio-chemistry) & M.Sc. (Nanotechnology) to B.Sc. Graduates having Physics, Chemistry or Mathematics. MSUB has established the Institute of Interdisciplinary Studies the Research and Consultancy Cell & Office of International Affairs to promote interdisciplinary teaching-learning & research. MSUB has become a partner university in Erasmus Mundus Mobility Consortium-EUPHRATES for mobility to the European Partner Universities and which has further enhanced the interdisciplinary research environment. The Faculty of Technology & Engineering (FTE) has established Departments in Applied Sciences viz., Applied /Applied Mathematics/Applied Physics and teaching and research activities of these departments are designed to promote interdisciplinary work in partnership with various other departments of FTE viz., Chemical /Electrical/ Material Science and Metallurgy etc. The Department of Applied Mathematics has initiated several interdisciplinary programmes & has set up a Centre of Industrial Mathematics to address interdisciplinary problems. Department of English caters to the students of many faculties for the teaching of English. MSUB has established the Centre for Urban Studies with the major focus to bring departments viz., History, Fine Arts, Science, Technology & Engineering, Economics, Commerce by the adoption of interdisciplinary approach under one roof and work for the overall future and ongoing challenges of our society. The key initiatives of the university to adopt an interdisciplinary, multi-disciplinary approach includes viz., Implementation of policy of dual Ph.D. Guideship, adoption of 'UGC-Faculty Recharge Programme', internal funding by RCC, preparing and maintaining the database of research interests and expertise of individual faculty through ARMS, and adoption of DRC & FLRAC. MSUB has signed

	<p>many research collaborations (National/International) that are interdisciplinary in nature. The knowledge and skills so gained percolate to the students and increase their exposure to different subjects. MSUB teachers have brought substantial funding through interdisciplinary projects. The integration of interdisciplinary subjects under CBCS necessitates handling of challenges of allocation of time, classrooms and laboratories which would be addressed in the gradual implementation of NEP2020.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>NEP2020 is the roadway for achieving full human potential, developing an equitable and just society promoting national development. The key initiatives for the implementation of NEP2020 by MSUB mainly include Outcome-Based Education and Mapping of Attainments for Academic Programmes, Adoption of a CBCS/Electives/Specialization, and offering of Interdisciplinary, Integrated, Academic Programmes and Certificate/Add-on/Value Added Courses with credit transfer as well as the adoption of 'Academic Bank of Credit', Multiple Entry/Exit and Internationalization of Higher Education respectively. UGC has issued Regulations, 2021 for Establishment and Operation of Academic Banks of Credits (ABC) in Higher Education dated 28th July 2021 has accorded for Adoption of Academic Bank of Credit from the academic year 2021-22. The proposal has also been accorded approval by the MSUB Syndicate to adopt and introduce relevant ordinances for the lawful observance and compliances of UGC Regulations to be called as 'The Maharaja Sayajirao University of Baroda: Academic Bank of Credits (MSUB-ABC)'. Accordingly, MSUB shall amend the extant ordinances relating to, inter alia, Course registration, course requirements, acceptance for interdisciplinary and multidisciplinary courses, credits to be offered to such courses, credit transfers and acceptance from other approved Higher Education Institutions, nature of grades to be awarded etc. MSUB has already registered and submitted its application to UGC. It has adopted ABC to promote flexibility of curriculum framework and encourage interdisciplinary and multidisciplinary academic mobility of students across Higher Education Institutions in India. ABC-MSU shall provide facility to students to choose their learning path to attain a</p>

	<p>Degree or Diploma or Post-Graduate Diploma or academic qualification, working on the principle of multiple entry/exit as well as any-time, any-where, and any-level learning. ABC would enable students to integrate study from multiple disciplines of higher learning, leading to the desired learning outcomes including enhanced creativity, innovation, higher-order thinking and critical analysis. Adoption of ABC provides significant autonomy to students to choose from a basket of courses for an academic programme of study, flexibility in curriculum, novel and engaging course options across several higher education disciplines and or institutions. For effective implementation of MSUB-ABC, each Faculty/College/Institutes Centers/Cells shall be required to prepare a programme-wise dynamic and flexible basket of courses offered by other faculties to complete the credit requirements for the award of respective degree. Basket of courses would be grouped as Minor/Allied discipline; Electives Open/Generic, Skill Enhancing etc. that the student may wish to pursue as per his/her interest. The MSUB-ABC shall provide student counselling and guidance to students desirous of opening an Academic Bank Account concerning the details of utilization of the services of ABC in terms of Credit Definition, Accumulation, Transfer and Redemption as well as in respect of the Opening, Closure and Validation of Academic Bank Accounts of Students with the support and feedback of the IQAC.</p>
3. Skill development:	<p>MSUB is proactive in seizing opportunities towards setting up for skill development. Student-centric learning is one of the prime objectives of the university. It has adopted a multi-strategy model to identify interests and skills of students that are incorporated in the teaching-learning process for skill development. The curricula aims to sharpen students' soft, conceptual, human, technical, entrepreneurial, professional and employability skills to meet their global needs. Add-on and Certificate Courses are offered to students for developing specialized and additional skills. Youth festival is organized to unleash students' potential in literary, sports, fine arts, public speaking, poetry, arts and crafts, and performing arts. It fosters in students' confidence, discipline, partnership, team building, communication, leadership and management skills</p>

and provides them with an opportunity of relevant work experience for skill enhancement to ensure their holistic growth and development resulting in creation of a sense of belongingness and recognition. Student bodies help them to create connections, build relationships, expand skillsets, sensitize, orient and inculcate values and ethical practices. Imparting of communication skills has been considered as an option under the CBCS Scheme. MSUB has established various Institutes/Centers/Cells/Offices for enhancing skills development, internships, and placement. Directorate of Students' Welfare organizes workshops and seminars on Performance and Professional Skills. MSUB has established the CFSI CFI and MSISEC for providing impetus to the growth of innovation and start-up ecosystem in the university and region. MSUB has established the "Centre for Life-Long Learning and Extension" to provide skill development training programs to generate employability. MSUB has established ILG, IFT, MRID, etc. to conduct socially relevant, application-oriented, job-oriented, knowledge-oriented Skill Development Programmes. The Anchor Institute and Siemens Institute has been setup in collaboration with the Government of Gujarat, Ministry of Industries specifically to provide skill development. The extension programmes of the university includes skill laboratory training for micro skill development, self-development and management programmes for the development of managerial skills and teamwork to enhance the analytical and presentation, and projection skills of the students. NCC conduct sessions for students to guide them regarding the prospects in the armed forces. NSS organizes numerous activities and camps to join hands in the implementation of national initiatives. The "FOOTPRINTS" event help students to enhance their analysis and rational skills to boost confidence and personality. With the experiences of various sponsorships, public handling, mass communications, the students get hands-on experience, that helps them during placement interviews. Students learn pressure and stress handling, execution capabilities, management skills through event handling. Career and Counselling Cell, Office of Corporate Affairs, Management Development Centre, Computer Centre etc. conducts lectures, special sessions, group discussions,

	<p>extempore speaking sessions, skill development courses and training of the staff/students in ICT methods. MSUB has also established an All India and Central Services Training Centre that supports, guides and mentors' students for the preparation of competitive examinations.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>MSUB reflects the core values of the erstwhile State of Baroda with an intertwining of tradition and modernity in its pursuit of excellence. The culture of excellence begins with the recognition and respect for excellence. MSUB's vision and mission centre around Innovation, Entrepreneurship and Skill Development by integrating Indian Ancient Science and Ethos reflective of its synergy with MSUB's initiatives and Action Plan vis-à-vis objectives of the implementation of NEP2020. Especially, with its two renowned Centers of Traditional Indian Practices, that is "The Sanskrit Mahavidyalaya", and "The Oriental Institute", unique in nature and probably the earliest of their kind in India, offering an opportunity for knowledge and practice of Indian Traditional Values. To cater to needs of society, industry and Government, MSUB has launched various innovative Academic Programmes/Certificate Courses specially to integrate the Indian knowledge system viz., Indian Classical Music, Dance, Dramatics Painting, Sculpture, Applied/Graphic/Visual Arts, Museology, Archaeology and Ancient History, Linguistics, Design, and Temple Management. It caters to students' needs for languages like Linguistics-Sanskrit-Hindi-English, Gujarati, Marathi, Sindhi, Urdu, Persian, Arabic, Russian, French and German. The Centre for Life-Long Learning and Extension offers Academic Programs/Courses in the area of Ancient Indian Studies, Art and Craft, Language Proficiency, Hotels/Cookery, Personal Grooming etc. It focuses upon Equity and Inclusion, Languages, Arts, Culture, and ICT for the holistic growth and development. MSUB respects and value attributes of tolerance harmony considering dress, food, habits, customs, caste, dialects, religion, culture and sensitizes students and staff towards cultural, regional, linguistic, communal and socio-economic diversities. CBCS has opened up opportunities to learn new and rare subjects, foreign languages and Indian culture as a part of the curriculum. MSUB encourages students and teachers to actively engage</p>

	<p>in academic programmes, activities/ events related to constitutional obligations: values, rights, duties and responsibilities of citizens. It has established the Institute of Leadership and Governance to focus on training, trans-disciplinary studies, leadership, and good Governance structures. It has also established 02 Centres Centre for Indic Studies, and Centre for Theological studies (SADBHA AVNA) under ILG. It offers Short-Term Certificate Courses on viz., Bhagwad Geeta, Learning from Mahabharata & Ramayana, Panchatantra, Kautiliya Arthshastra, Sayajirao Gaekwad, Asardar Sardar, Veer Savarkar, etc. Through its scholarships, fellowships, Gold Medals and public felicitation and appreciation functions, MSUB continually encourages the value of cultural excellence in all spheres of university life. The Departments of Archaeology, Geology, History, Museology and Painting conduct special programmes to bring awareness regarding the preservation of heritage culture and to introduce the students to the heritage legacy. The university has established Centre for Urban Studies to promote academic and professional awareness of and scholarship on Urban Heritage, History, Culture, Conservation, Planning and Sustainability in Vadodara, the Gujarat Region. The students, staff and others are involved to present the heritage value of buildings, relics & artefacts of the university & plan to offer online certificate courses in future.</p>
5. Focus on Outcome based education (OBE):	<p>MSU being MERU imparts multidisciplinary, interdisciplinary, professional, value-based, lifelong education, striving to achieve excellence in academics and research through capable faculty and students. MSUB focuses upon Equity and Inclusion, Languages, Arts, Culture, and ICT for holistic growth and development. MSUB's Vision and Mission centres around innovation, entrepreneurship and skill development by integrating Indian ancient science and ethos reflective of its synergy with MSU's quality sustenance and enhancement initiatives and preparation of an 'Action Plan' exclusively for implementation of NEP2020. MSUB periodically and continually updates academic programmes as well as certificate, value-added, and skill-based courses. Teaching, examination and evaluations schemes are prepared with clearly defined Programme Outcomes, Course Outcomes and the Learning Objectives based</p>

on Bloom's Taxonomy. Outcome-based educational elements, like POs, PSOs and COs are being followed for all academic programmes to inculcate the spirit of proactive learning to explore different facets of knowledge based on its contextual relevance and need-based arrangements. The university systematically identifies, determines and maps attainments of POs integrating experiential, participative and problem-based teaching-learning methodologies. Course Objectives and Outcomes are pedagogically designed and mapped using a mixture of Direct and Indirect methods considering elements of Employability, Entrepreneurship, Skill Development, relevant to Local, National, Regional, Global needs, Gender, Environment and Sustainability, Human Values, and Professional Ethics. All Faculty/Department verifies documentation for each Courses/Subject for mapping of attainment. Review of teaching-learning process and outcomes for significant academic updates and quality enhancements are undertaken through Board of Studies, Faculty Boards and PG Council of Research and Studies. The outcomes are measured by assessing the performance considering pass percentage, a smaller number of dropouts and attainment of first division. Outcomes are also measured by placements and admission to higher education programs in national and international institutes, and universities. The percentage of students clearing NET/JRF, UPSC, MPPSC, UGC-CSIR, GATE, GRE and other examinations are also considered. Interests and skills of the students are incorporated in the teaching-learning process consisting of Assessment, Planning, Implementation, and Evaluation. Research is an integral part of learning. MSUB has Wi-Fi enabled campus. It uses e-learning tools and offers blended teaching-learning and ID-based secured Wi-Fi facility is provided to students and staff. The GER of MSU has moved up by 22 percent from 2015-16 to 2020-21. MSU has put continual efforts into achieving excellence in academic, research, extension, governance, leadership and improving its Physical and ICT infrastructure. IQAC has strengthened the adoption of CBCS and offering of Electives/Specialization as well as introduction and revision/updating of innovative academic Programmes and Value-Added Courses. It has put efforts to improve Collaborations,

	<p>entering into MoUs (National/International) influenced provisioning for 'Academic Development Fund' to implement research incentivization schemes for promoting high-quality research publications/citations, filing of Patents/Copyrights, and above all gradual implementation of NEP2020 by the university.</p>
<p>6. Distance education/online education:</p>	<p>Entire MSUB Campus is Wi-Fi enabled and follows ICT-enabled teaching along with conventional classroom education. ID-based secured Wi-Fi facility is provided to Students and Staff. Microsoft Teams is used to conduct virtual classes, maintain attendance, to upload study material, to conduct quizzes, submissions of assignments, use of online simulations, presentations, and animations. Online interactions include research paper presentations, seminars, debates, group discussions, assignments, quiz/tests/viva etc. The Computer Centre procures Desktops, Laptops and other digital devices and accessories through Computer Expert Committee. The teachers of the university use a wide range of ICT Tools viz., Presentations, Online Video Tutorials, Courses, Smart Board, LMS like Moodle, ICT Courses falling under MOE, SWAYAM, E-PG Pathshala, NPTEL, Virtual Labs, Spoken Tutorial, CEC, E-Yantra, Digital Library Inflation etc., The teachers of the university are involved in creation of e-Content for digital platforms like MOOC, E-PG Pathshala, SWAYAM, CEC, NMEICT, NPTEL, and other Government Initiatives. Teachers use open-source software as well as platforms such as ZOOM, Google Meet, WebEx for ensuring effective teaching-learning, assessment and monitoring of students' progress. It includes the use of Smart Board, JAM Board, Structure Drawing Software etc. Audio Video Digital aids are also provided from ICT tools for better learning of students. The university has created modules for virtual labs to conduct labs through simulations to enable students to participate in lab-based learning exercises without the limitations of a physical laboratory. The practical sessions are engaged through in-house demonstration Videos. e-Resources are extensively used by teachers & researchers. MSUB is also having facilities viz., Smart Class Room, Virtual labs, Advanced Video Conferencing facility, CCTV Surveillance System, language laboratory, Advanced Audio Video Studio</p>

is being developed at Faculty of Journalism for Audio Video Recording and Broadcasting and production of e-content development for Swayam, and NPTEL. The central library of the university has set up an e-Resource Centre for students and provides remote access over and above IP based access to faculty members. It offers faculty of an Online Registration Portal for registration and membership. All PhD Theses are uploaded on Institutional repositories and also on ProQuest Dissertation and Thesis. It has created an online platform "Open Knowledge Gateway" to offer customized access to e-books, e-Journals, Directories, Dictionaries, Subject Portals having access to 01 Million e-Books through the World e-Book library and access to South Asian Archives through an active partner NDLI. Online Admissions and Examinations are being conducted. MSUB has approved and implemented Information Technology Policy, e-Governance Policy, and e-Waste Policy. MSUB has set up and supports academic activities of well-established Centres of IGNOU, & BAOU (State Open University) that offers Distance Education.

Extended Profile

1 Program

1.1

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
253	243	241	240	236
File Description		Document		
Institutional data in prescribed format		View Document		

1.2

Number of departments offering academic programmes

Response: 73

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
34961	34453	33407	31592	29633
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

Number of outgoing / final year students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
13135	12027	10221	9477	9173
File Description		Document		
Institutional data in prescribed format		View Document		

2.3**Number of students appeared in the University examination year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
33461	31136	31128	29348	27542
File Description		Document		
Institutional data in prescribed format		View Document		

2.4**Number of revaluation applications year-wise during the last 5 years**

2020-21	2019-20	2018-19	2017-18	2016-17
55	302	589	607	691

3 Teachers**3.1****Number of courses in all programs year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
5725	5661	5622	5603	5521
File Description		Document		
Institutional data in prescribed format		View Document		

3.2**Number of full time teachers year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
939	905	919	868	853
File Description		Document		
Institutional data in prescribed format		View Document		

3.3

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1120	1120	1104	1104	1104
File Description		Document		
Institutional data in prescribed format		View Document		

4 Institution**4.1****Number of eligible applications received for admissions to all the programs year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
66266	64168	73163	74512	79809
File Description		Document		
Institutional data in prescribed format		View Document		

4.2**Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
8544	8923	8893	9081	8202
File Description		Document		
Institutional data in prescribed format		View Document		

4.3**Total number of classrooms and seminar halls****Response: 610****4.4****Total number of computers in the campus for academic purpose****Response: 4929**

4.5

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
7699	6728	7213	5991	8250

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.

Response:

The MSUB offers interdisciplinary, multi-disciplinary and Practical-oriented academic programmes developed based on input of subject experts drawn from academia, alumni, industry, and policymakers of various institutions, Government Departments, and organizations. Outcome based educational elements, like, PEOs, POs, PSOs and COs are being followed for all academic programmes to inculcate the spirit of proactive learning to explore different facets of knowledge on the basis of its contextual relevance and need based arrangements. The MSUB has adopted CBCS and Electives/Specialization offered to enhance the communication, personality and professional competency of the students. The curricula enable students to inculcate technical, conceptual, human skills to meet their global needs. The MSUB offers Certificate Courses, Value-Added Courses, Skill Based and Supportive Courses across disciplines such as Science, Technology, Engineering, Humanities, Social Sciences, Commerce, Management, Liberal Arts, Design, Crafts, Culture, History etc. to integrate its' application to sharpen different skills of the students to nurture & promote innovation, incubation and entrepreneurship as well as development of professional, employability and soft skills. They undertake Projects/Industrial Training in reputed institutions viz., ERDA, ABB, TCS, L&T, Siemens, Arvind Mills, Reliance Industries, Adani etc. The curricula design aims to prepare students to excel in various competitive examinations like GATE, CAT, GRE, TOEFL, IELTS etc. It also injects desire in them to pursue higher studies in institutes like IITs, NITs, IRMA, IIMs in India and also abroad. The AICS Center prepares students for UPSC, GPSC, and various other competitive examinations for recruitment. Hands on experience with Experiential Learning, Project Work/Dissertation/Fieldwork/Internships/Industrial Collaborations are part of curricula intended to enhance capacity building, critical thinking and scientific temper to enrich students' learning experience for improving the Quality of life of individuals, family, and society. Curricular and Co-curricular activities viz., Yoga, Sports, NSS, NCC, ACC has its roots in inculcating the national values of democracy, diversity & inclusion and human dignity among students. Curricula is designed to motivate students to engage and nurture into In-House Startup activities (SSIP) and Entrepreneurship.

To cater needs of society, industry and Government, the MSUB has launched various innovative Academic Programmes/ Certificate Courses viz., Cell & Molecular Biology, Environmental Science & Engineering, Packaging Engineering, Water Resource Engineering, Robotics, Human & Family Development Studies, Fashion Communication, Textiles and Apparel Design, Retailing, Interior Design, Public Health Nutrition Food Science, Child Development, Sustainable Development, Painting, Sculpture, Applied/Graphic/Visual Arts, Museology, Archaeology & Ancient History, Linguistics, Design, Indian Classical Music, Dance, Dramatics, Temple Management, and Sports Psychology. The MSUB caters students' needs for studying languages viz., Linguistics-Sanskrit-Hindi- English, Gujarati, Marathi, Sindhi, Urdu, Persian, Arabic, Russian, French & German. The Centre for Life Long Learning and Extension offers Academic Programs/Courses in the area of Ancient Indian Studies, Art and Craft, Language Proficiency, Hotels/ Cookery, Personal Grooming etc. The MSUB has introduced new academic programs and has

updated/revised 86% of its Academic Programs/courses. Curriculum sensitizes students on Millennium & Sustainable Development Goals viz., Climate Change, Water and Food Security, Health and Hygiene and Ecology & Energy are integrated into the curriculum.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

Response: 86.56

1.1.2.1 How many Programmes were revised out of total number of Programmes offered during the last five years

Response: 219

1.1.2.2 Number of all Programmes offered by the institution during the last five years.

Response: 253

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Institutional data in prescribed format	View Document
Details of Programme syllabus revision in last 5 years	View Document
Any additional information	View Document
Link for additional information	View Document

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

Response: 53.33

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
3000	3000	3000	3000	3000

File Description	Document
Programme/ Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.2 Academic Flexibility

<p>1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</p> <p>Response: 20.39</p>	
<p>1.2.1.1 How many new courses were introduced within the last five years.</p> <p>Response: 1376</p>	
<p>1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.</p> <p>Response: 6747</p>	
File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Institutional data in prescribed format	View Document
<p>1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).</p> <p>Response: 89.33</p>	
<p>1.2.2.1 Number of Programmes in which CBCS / Elective course system implemented.</p> <p>Response: 226</p>	

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

The curricula of the MSUB strives to achieve holistic growth and integrated personality development of students by exposing them to issues like Gender, Environment and Sustainability, Human Values and Professional Ethics to prepare them to handle the local and global challenges to transform them into global citizens. The curriculum includes courses on viz., Gender and Society, Gender and Psychology, Rural Business Environment, Environmental Studies, Environmental Sustainability, Climate Change, Environmental Biotechnology, Business Ethics, Corporate Governance, and Management by Indian Values, etc. and the Millennium Development Goals like Environment Sustainability, Promoting Gender Equity, Women Empowerment, Employability and Global Partnership Development etc.

Gender:

Generally, more than 50% of the students and about 50% of the staff are female. MSUB aims for inclusive society and strives for women empowerment supported with activities of UGC's Women Science Research Center viz. awareness programmes, seminars, workshops, extra mural talks and collaborative research studies on Women Hygiene, Menstrual Health, Nutritional Needs etc. Post-Graduation and Doctoral level research studies on Gender Studies are undertaken. The university has set up Women's Grievance Redressal Cell, Anti Ragging cell at the Faculty and University levels. The university has approved 'Gender Equity Policy' and has conducted 'Gender Audit'. It has put efforts to consistently expand and enhance safety and physical facilities/amenities for female students and staff.

Environment and Sustainability:

The curriculum of university focuses on Environmental Sustainability, and it offers Courses/topics on various environmental aspects viz. Sustainable Development, Climate Change, Energy Conservation Non-Conventional Energy Resources, Disaster Management, Bio-Diversity and Conservation, Waste Water Recycling, Hazard and Safety Management, Environmental Social Work, Green HR, Green Chemistry, Environmental Ethics and other Ecological Issues. Nature Awareness Camps on Wildlife and Forest Conservation, Bhumi Fest, Botany Fest, Sparrow Day etc. are organized for students by various Departments of Faculty of Science. The Department of Environmental Science, Geography, Botany Zoology, Civil Engineering, WREMI, Institute of Climate Change Research, Center for Disaster Management Studies, Management Development Centre and Office for Career Advancement of Students also organizes various academic and research activities. It organizes various students' competitions viz., Talks, Skits, Quiz, Elocution, Rangoli Making, Poster Making, Slogan Writing, Speed Talk etc. to inculcate awareness and sensitize students themed on viz. Environment Protection and Conservation, Save

Energy, Save Water, Grow Trees for prevention of environmental degradation. The university has framed Green Policy and Green/Environment Audit, Water and Energy Audit too have been conducted.

Human Values and Professional Ethics:

The curriculum of university includes modules on Human Values, Professional Ethics, Human Values, Human Behaviour, Human Relations, Human Growth and Development, Organizational Behaviour Academic Integrity, Professional Ethics, Business Ethics and Code of Conduct. It ensures strict adherence to research ethics, and animal ethics in conduct of research studies. PhD Guides have access of iThenticate/Ouriginal anti-plagiarism software. The university has approved 'Academic Integrity Policy', and 'Code of Ethics' for students and staff.

The PhD Course work includes 02 credit course on Professional Ethics, Human Values and Academic Integrity. The teachers put possible best efforts to groom and transform students as responsible citizens.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	View Document
Any additional information	View Document

1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.

Response: 396

1.3.2.1 How many new value-added courses are added within the last five years.

Response: 396

File Description	Document
Institutional data in prescribed format	View Document
Brochure or any other document relating to value added courses	View Document
Any additional information	View Document

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

Response: 6.72

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
1211	2084	2439	2303	2815

1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).

Response: 17.66

1.3.4.1 Number of students undertaking field projects or research projects or internships.

Response: 6175

File Description	Document
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni

Response: A. All 4 of the above

File Description	Document
URL for stakeholder feedback report	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document

1.4.2 Feedback processes of the institution may be classified as follows:

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
URL for feedback report	View Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document

NAAC

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Demand Ratio (Average of last five years)

Response: 4.03

2.1.1.1 Number of seats available year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
17430	18210	18148	18532	16738

File Description

Document

Demand Ratio (Average of Last five years) based on Data Template upload the document

[View Document](#)

• Any additional information

[View Document](#)

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the last five years (Excluding Supernumerary Seats)

Response: 54.74

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
5575	5530	4907	4613	3321

File Description

Document

Average percentage of seats filled against seats reserved (Data Template)

[View Document](#)

Any additional information

[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

The City of Vadodara is known for its cosmopolitan culture so diversity amongst students' groups based on their levels of learning, region, language and culture is being observed across the University. The Faculty and Department conducts an Orientation Programme to sensitize newly admitted students and interaction between the faculty members, Subject/ Class/ Unit/ Academic program Co-ordinators, Dean of students, on academic structure, CBCS System, Continuous Internal Evaluation, and semester end examinations as well as Student Support Facilities, Library, Laboratory, sports, Health center etc. help them to fine tune their studies. The university practices a strong student academic counselling process.

A student may be an advanced learner for a certain course while being a slow learner for another course; a student may be an advanced learner for his oral presentations while being a slow learner for his written assignments. Ensuring inclusiveness and imparting the personalized education to such diverse group of students is, in fact, a challenging task. The Faculty /Department assesses their learning levels considering their diverse backgrounds, past performance in the examinations as well as through tutorial sessions, theory classes and practical performance, to identify & assess learning capabilities, of slow and advanced learners. The slow learners also need language support and pick-up, reasoning ability development, problem solving hints, mathematical skill deficit remedying, besides discipline specific bridging of knowledge gap between that endowed with and earnestly needed. Psychological counselling is also done. The examination system comprises of mid-semester and semester-end examination in each semester of six-months and after first mid-semester examination, if student gets less marks or she/he has any problem in understanding, special remedial classes are conducted, where teachers offer guidance to them. The Faculty /Departments also conduct arrear tests, and the university also permits students to improve his or her performance in the internal evaluations. Every class is associated with Mentor teacher. Teachers are available off-line, on mobile and online mode to make students understand the topic in mother-tongue. Group of students is formed by the students themselves in order to solve all doubts.

Advanced Learners are encouraged to utilize the library, laboratories and equipment facilities and are assigned tasks, like solving additional higher level Bloom's Taxonomy questions, undertaking small research, market survey, practical demonstration, etc. They interact with senior faculties and researchers to exchange the knowledge on scientific experiments, opportunities and experiences. The Equal Opportunity Cell (EOC), Career and Counselling Cell, Office of Career Advancement of Students etc., organizes Extra mural lectures, webinars, presentations, conferences, debates and peer presentations etc. Training sessions for NET/SET Examinations have also been conducted. Registrations for SWAYAM and MOOCs platform online courses and Value-Added Courses are also offered to students. Add-on and Certificate courses are framed on the need for developing specialized and additional skills for augmenting better employment prospects.

Thus, the University not only identifies the differential needs of the students but also takes effective steps in addressing them. Efforts to mainstream the slow learners have rewarded in many instances where in they have occupied pivotal positions in industries/establishments.

File Description	Document
Upload Any additional information	View Document
Paste link for additional information	View Document

2.2.2 Student - Full time teacher ratio (Data for the latest completed academic year)**Response:** 37.23

File Description	Document
Any additional information	View Document

2.3 Teaching- Learning Process**2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences****Response:**

The student-centric learning, is one of the prime objectives of the university. MSUB has adopted a multi-strategy model to improve the overall teaching and learning experience of student. Interests and skills of the students, are identified and incorporated in the teaching-learning process for acquisition of knowledge, values, traditions, skills, behaviour and it consist of Assessment, Planning, Implementation Evaluation. The research project is an integral part of experiential, Collaborative and participative learning.

Experiential Learning

Experiential learning, opportunities are provided to the students through internships, industrial exposure fieldwork, case studies, field visits, simulations, role play, exhibitions, poster presentations, and market survey in humanities and Social Sciences. Laboratory experiments and projects are the learning experiences for the students of Science/Technology stream. Visual arts and live performances is the experiential process for students of Faculty of Fine Arts and Performing Arts. Department of Economics has Budget analysis as an essential curriculum component. Geography Department emphasizes on field tours complementing GIS while History Department emphasizes on archival, visit to museum and rare document collections and exhibitions. Sociology Department uses street play, role play and Community based learning. Political Science Department undertakes news analysis and analysis of elections. Music and Dramatics Department imparts learning through acts, drama, theatre performance. Law Department uses court visits, moot courts. Students of Journalism and Communication visit to Print media centre, T.V. channels, Radio Station and are engaged in news making, reporting, preparation of News bulletin.

Participative Learning

MSUB imparts participative learning through group discussions, debates, paper-presentations, project demonstrations and participation in studios. Participation of the students is encouraged in classroom activities through seminars, conferences, colloquium, participatory discussions, activity profiles, assignments participative learning etc. for effective learning. The students of the university are encouraged to participate in Sports, cultural, curricular and co-curricular activities such as quiz, Rangoli Competition, Mahendi Competition, Debate on Current Scientific Topics, participation in NSS and NCC, Field tours, field visits, educational visits, Industrial visits & camps have been introduced to encourage students. Students also learn through participation in live model demonstration, internships, minor research projects, student start-up and innovation policy (SSIP) projects, Hackathon, Entrepreneurship awareness camp,

workshops , and on training for use of software for computer-aided drug design(Pharmacy).

Problem solving methodologies

Problem solving methodologies are at the core of the teaching learning process for students. The curriculum of the academic programmes includes the problem-solving methodologies viz., Case studies, Model making, Projects, Lab assignments, Technical debates, Lateral Thinking, Puzzles, Brain storming, Dissertations, Problem based learning methods, self-developed- Videos, PPTs/Skype presentations, CAI, Google maps, E-Journals/books/e-learning resources to improve the students' capability and facilitate holistic growth and development of students. It combines theoretical knowledge with practical activities. Curriculum with critical thinking exposure enables the students to become decision makers, conflict resolvers and alternative solution seekers.

Interdisciplinary approaches as per CBCS, Blended teaching-learning pedagogy including use of ICT tools, Anytime-Anywhere learning, through MOOC courses on SWAYAM Portal, are being offered as part of curriculum. Material such as books, newspapers, magazines, videos, audio recordings, social media posts, podcasts are used by teachers.

File Description	Document
Link for Additional Information	View Document

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

Response:

The entire MSUB campus is Wi-Fi enabled. The university utilizes ICT enabled teaching in addition to the conventional classroom education. ID based secured Wi-Fi facility for access of Internet is provided to teachers and students. Microsoft Office 365 Enterprise Edition and institutional email is provided to all the teachers and research scholars of MSUB. Microsoft Teams is used to conduct virtual classes, maintain attendance and to upload learning resources, as well as to conduct online quizzes and submissions of assignments supported with use of online simulations, presentations and animations. Online interactions include research paper presentations, seminars, debates, group discussions, assignments, quiz/tests/viva etc.

The Computer Centre of the university with the help of duly constituted Computer Expert Committee (CEC) procures Desktops, Laptops, Digital Pads, Projectors, Webcam, Wireless Presenter, Printer, Photocopier, Tablets, Scanners, Microphones, Smartboards, PZT Cameras, and Digital Writing Pad etc. The teachers of the university use wide range of ICT Tools viz., Presentations, Online Video Tutorials, Online Courses, Smart Board, E-learning tools like Moodle, ICT courses falling under MOE, ARPIT, E-PG Pathshala, NPTEL, Virtual Labs, Spoken Tutorial, CEC, E-Yantra, Digital Library Inflightnet etc., The teachers of the university are actively involved in creation of E-content using various digital platforms such as, MOOC Platform, E-PG Pathshala, SWAYAM, CEC, (undergraduate), NMEICT, NPTEL, and Other Government Initiatives. Many teachers are engaged in conducting MOOC courses on SWAYAM through CEC. Teachers make use of open source software as well as add on or in-built tools of virtual platforms

such as ZOOM, Google Meet, WebEx for ensuring effective teaching, learning, assessment and monitoring of students' progress for the teaching and examination activities. It includes use of smart board, JAM board, structure drawing software's etc. Audio Video Digital aids are also provided from ICT tools for better learning of students.

The university has created modules for virtual labs, being used to conduct labs through simulations, which allow students to participate in lab-based learning exercises without limitations of a physical lab and can be an important element in institutional efforts to expand access to remote areas and far located students in the case of interruptions of campus activities due pandemic or natural disasters. The practical sessions are also being taught through in-house demonstration videos prepared in the laboratory and taken from the internet. The Examinations are being conducted in online mode. Even supervision for online examination is also being conducted in online mode. The online process was conducted for all phases of PhD evaluation right from submission of PhD Synopsis to conduction of PhD Defence and demonstration of research work and its results. Several Departments have conducted webinars, workshops and several other academic and administrative activities. BoS meetings both at Department and Faculty Level were conducted through ICT. NAAC, NBA etc certification related meeting and activities were conducted in online mode.

The central library of the university has given remote access over and above IP based access to faculty members. E-Resources are extensively used by teachers and researchers.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 38.85

2.3.3.1 Number of mentors

Response: 900

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years**Response:** 80.75

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document

2.4.2 Average percentage of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. year-wise during the last five years**Response:** 54.25**2.4.2.1 Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
521	508	502	472	432

File Description	Document
List of number of full time teachers with Ph D/D M/M Ch/D N B Superspeciality/DSc/D Lit and number of full time teachers for 5 years	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)**Response:** 11.7**2.4.3.1 Total experience of full-time teachers**

Response: 10986

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	View Document

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the last five years

Response: 11.82**2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
26	27	18	16	19

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

2.5 Evaluation Process and Reforms**2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years****Response:** 37.8**2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
38	42	37	35	37

File Description	Document
List of Programmes and date of last semester and date of declaration of results	View Document
Any additional information	View Document

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years**Response:** 1.52**2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
55	303	589	607	691

File Description	Document
Number of complaints and total number of students appeared year wise	View Document
Any additional information	View Document

2.5.3 IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

Response:

IT integration has brought in considerable improvement in the Examination Management System of MSUB. The University has built up the required IT infrastructure for implementation of various e-Governance initiatives. One of the key initiatives is implementation of the Students' Life Cycle Management (SLCM) through a Digital University Framework (DUF). It begins with receipt of online applications for admission to various academic programmes being offered by the University. Digitalized process of enrolment with SMS notification to the students about their login credentials for their e-Suvidha profiles are maintained individually. All pre-examination processes starting from scheduling, creation of time-tables, form generation, online fees payment and digital submission of the examination form as well as examinations seat numbers generation, examination centre and venue allocation, and finally generation of examination hall-tickets are online managed. Further, data preservation, re-production, and record keeping on a cloud has served majority of the administrative requirement on the clicks. The entire DUF is maintained and handled centrally at the University level. Besides, all the examinations data concerning admissions, pre- and post-examinations, results data of individual students are available to concerned Faculty/College/Department, the admin officials and the Principals/Heads of the Departments. Further, the University has implemented Continuous and Comprehensive Assessment (CCA) by introduction of Mid-Semester and Arrear Examinations at all the academic programme, and the component of Internal Assessment (IA) is carried forward and considered in the Marks/Grades of university examinations. The result preparation is also an automated procedure with pre-defined and tailor-made configurable rules of the university. The post-examination results are also made available under individual students' eSuvidha ID for their permanent records. Aggrieved and dissatisfied students can digitally submit their applications through their eSuvidha logins within the stipulated period of time. The outcome of such applications is also be made available to concerned student by pushing their results to the eSuvidha ID. The Digital system preserves all necessary records and logs of carrying out such corrections, if any, as a result of Verifications (Re-checking), Re-assessments, and Inspection of answer-books which also includes any other written and measurable submission made by the students. The progress of the students in their concerned higher-year/higher-semester considering eligibility is configured online with pre-defined and pre-declared schedules. In all, entire Students' Life Cycle is managed in a digital form, with a completely transparent and informative DUF for all the stake holders and also for the university at the macro level, and the faculty/college/department, and most importantly, the student, at the micro level respectively. In all, entire

Digital Framework of SLCM is so designed that the complete cycle of a student, from application/admission to the university up to the award of a degree/diploma is completely configurable, as per rules and requirements in a digital way. Such reforms in the examination procedures and processes concerning continuous internal assessment and end-semester assessment through the usage of integrated IT solutions has proved to be highly effective with regard to handling and serving the ever-increasing number of student year-by-year.

File Description	Document
Year wise number of applications, students and reevaluation cases	View Document
Any additional information	View Document
Link for additional information	View Document

2.5.4 Status of automation of Examination division along with approved Examination Manual

Response: 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	View Document
Current Manual of examination automation system	View Document
Annual reports of examination including the present status of automation	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

Response:

Teaching, Examination and Evaluations Schemes are prepared with clearly defined Programme Outcomes, Course Outcomes and the Learning Objectives based on Bloom's Taxonomy. The Question-Bank utilized for online examinations is also mapped with the aforesaid cognitive domain prescribed under Bloom's Taxonomy along with the difficulty level. The Online Examination System (OES) is pre-configured to have the balanced question-paper designed to frame and maintain the balanced question-papers considering unitizations of the syllabus to maintain uniform level and proportion of difficulty level and the indices of Bloom's Taxonomy are provided to each of the student, in a randomized way, for the questions and

answer options. This structured methodology of designing teaching, examination, and evaluation schemes provides the 'Basic Analytics' to teachers to develop customized understanding of the achievement level of an individual student which is helpful in identification of advanced learners and slow learners. It also enables teachers to make required course correction and to suitably alter/modify academic planning. During pandemic, the university has successfully conducted online examinations through the in-house indigenously developed Online Examination Portal wherein each student, with their pre-conveyed user id and password logs onto this platform as per the allotted time-slots with the scheduled courses. The online examinations are proctored and invigilated completely by the allocated supervisors with a pre-defined block size of the concerned Faculty/ College of the students captured to build his or her online portfolio at the random interval of time. Such students' portfolio depict the activities engaged in by the students during online examinations are also maintained with necessary logs. The university has conducted online examinations for all terminal semesters of Graduate as well as Post-Graduate Degree/Diploma Programmes for implementation of the Merit Based Progression Scheme for all Intermediate Graduate Degree/Diploma Programme based on guidelines of UGC, and the Government of Gujarat. The university has also introduced and implemented the conduct of examinations using primary and secondary barcodes on each answer-books to hide the identity of the students. Moreover, through this technology, the manual intervention of evaluators in preparing the mark-lists has been wiped out and the marks entry also take place in an automated and fair manner, which eliminates all the possible chances of favour or mistake in the data entry of marks. All the students of the university can download their results card from their eSuvudha login id for further use of academic progression. The university had also organized the 'Virtual Convocation' in 2021 and the degree certificates were e-mailed to all the graduating students. The university ensures a complete transparency in examination processes and activities. It has introduced the Ordinance for Inspection of Answer-Book(s) for the aggrieved/dis-satisfied student who can review and submit representation, if any in presence of the concerned teacher, and the Parent/Guardian. Certified copies of the Original Answer-Books are provided to student upon the written application whereas original copy of answer books of mid-semester examinations are handed over to them. Teachers discuss question paper with an outline of suggested answers and responds to queries of students and counsels them.

File Description	Document
Upload COs for all courses (exemplars from Glossary)	View Document
Paste link for Additional Information	View Document

2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution

Response:

The Maharaja Sayajirao University of Baroda (MSUB) has the tradition of high standards of teaching, learning, research and knowledge structure. The university systematically identifies, determines and map attainments of its Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs). The customized evaluation patterns are used considering the requirement of the Course(S)/Subjects and COs, POs and PSOs. Summative Evaluation Methods viz., Report Writing, Submission of Project Proposals as well as use of Formative Evaluation Methods viz., Presentations, Class

Assignments, Tests and Quizzes etc. The teachers also use online platforms viz., YouTube, Social Media Platforms, and Online Courses viz., MOOCs, Swayam for knowledge sharing of online teaching contents and e-resources. The use and integration of experiential, participative and problem-based teaching-learning methodologies considering course objectives and course outcomes are pedagogically designed, where slow learners are given special attention to reach learning goals and fast learners are encouraged for achieving academic excellence. Attainment of POs and PSOs are also mapped considering Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD), Relevance to Local (L)/ National (N)/ Regional(R)/Global (G) and Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV) and Professional Ethics (PE). Thus, for each of the Course/Subject its content is determined and documented, for mapping of attainment of CO's, PSO's and PO's. Each of the Faculty/Department verifies documentation for each of the Course/Subject for mapping of attainment of CO's PSO's and PO's. The COs are measured through direct and indirect method of evaluation, Direct method includes continuous evaluation and internal and external theory and practical examinations. The continuous assessment includes Periodic Internal Tests, Assignments, Laboratory Practical, Seminars, and Group Discussions. Indirect methods used for certain PSO are viz., Teamwork, Socially Responsible, Effective Communication, Personality Development, and Continuing Education. Based on over all feedback and individual feedback received from Students, Teachers, Peer, Recruiter/Employer, and Alumni, the mapping of attainment of PSOs is undertaken by the university. The marks/grades obtained in a particular course as revealed in CGPA and SGPA for the semester-end examinations serve as an indicator of attainment of COs, POs and PSOs. The rubrics for checking the attainment of COs and PSOs have been designed and approved. The quantified attainment details are communicated to the students and parents. Further the extent of learning is assessed along with the learning objectives, with contextual, content-specific and criterion-based evaluation.

Thus, each Subject /Course (Theory and Practical) is mapped based on various aspects viz., Weightage, Hours of Teaching, Bloom's Taxonomy and PSO defined for a particular academic program. The outcomes are measured by assessing the performance of students viz., Pass Percentage of students; a smaller number of dropouts and number of students attaining first division. Outcomes are also measured by placements and admission to Higher Education Programs in National and International Institutes / Universities. The percentage of students passing or clearing NET/JRF, UPSC, MPPSC, UGC-CSIR, GATE, GRE and other examinations are also considered.

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

2.6.3 Pass Percentage of students(Data for the latest completed academic year)

Response: 92.44

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 13135

2.6.3.2 Total number of final year students who appeared for the examination conducted by the

Institution.	
Response: 14209	
File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination	View Document
Upload any additional information	View Document
Paste link for the annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process	
Response: 2.75	
File Description	Document
Upload database of all currently enrolled students	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution's Research facilities are frequently updated and there is a well defined policy for promotion of research which is uploaded on the institutional website and implemented

Response:

The MSUB is a Multi-Disciplinary Education and Research University (MERU). It has a well-defined 'Research Policy, Academic Integrity Policy and Consultancy Policy'. It offers innovative academic and research programs of Masters and Doctoral level with clearly identified thrust areas viz., Life and Health Sciences, Physical, Chemical, Pharmaceutical, Earth Sciences, Family and Community Sciences, Humanities and Social Studies Commerce and Business Management. The university has implemented several initiatives to build and sustain robust research culture. It has established 'Academic Development Fund' to support faculty members/research scholars by providing financial support for domestic/international travel support, publication grants for Books and Journals, organization of Seminars/Conferences/Workshops and to facilitate exchange visit of Collaborators. The university has established research incentivization schemes for its faculty members /research scholars in terms of monetary incentives for quality research publications in high impact research journals based on the Journal Impact factor (Clarivate) and journals indexed in Scopus, Web-of-Science and UGC-CARE list. Monetary incentives are provided for Published and Granted Patents along with cent percent financial support for filing of Patents. The university has institutionalized citations awards such as 'Life-Time Citation Award, Highly Cited Article Award and Yearly Citation Awards' that carries a certificate and monetary incentives for citations earned by faculty members for quality research publications in high impact research journals. Some PhD Scholars have earned prestigious fellowships like Prime-minister Fellowship, ICMR Fellowship, Women Scientist Fellowship whereas large number of them have earned scholarships under Shodh instituted by Government of Gujarat. The research facilities across the university are updated frequently with support of government and industrial sponsoring agencies. The faculties, departments, and institutions are well-equipped with state of art physical facilities such as conference room, computer room, seminar halls as well as chemical/computer/language /research /practical laboratories; animal houses with high end equipment and instruments; testing facilities and supporting advanced software that are continually updated. All the Ph.D. Guides have access to plagiarism checking software (Urkund and iThenticate). A Departmental Research Committee and Faculty Level Research Advisory Committee are constituted to review and enhance quality of doctoral research, research projects and research activities. The Annual Report Management System (ARMS) acts as centralized data base reservoir to document and disseminate research publications and reports for rating ranking and accreditation purposes.

The Research and `Consultancy Cell (RCC) has been established to support in-house and sponsored research, consulting, and other R&D related activities. The university continually organizes workshops, webinars/ seminars on Research Methodology, Ethics in Research, and Intellectual Property Rights etc. The university library has a rich collection of rare books, manuscripts, reference/text books and rich pool of e-resources in form of e-books, software and databases. The university has a very strong research collaborations and MoUs with national/international institutions and industry in addition to government agencies that have resulted in quality publications, research projects and patents. The university has adopted a research code of conduct to ensure standardized and ethical conduct of quality research activities.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)

Response: 20.91

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).

2020-21	2019-20	2018-19	2017-18	2016-17
56.00	0	19.75	0	28.80

File Description	Document
Minutes of the relevant bodies of the University	View Document
Institutional data in prescribed format	View Document
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View Document
Any additional information	View Document

3.1.3 Percentage of teachers receiving national / international fellowship / financial support by various agencies for advanced studies / research during the last five years.

Response: 1.43

3.1.3.1 The number of teachers who received national / international fellowship / financial support by various agencies for advanced studies / research year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
3	11	14	18	18

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the award letters of the teachers	View Document

3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.

Response: 1291

3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
389	282	243	193	184

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.1.5 Institution has the following facilities to support research

1. Central Instrumentation Centre
2. Animal House/Green House
3. Museum
4. Media laboratory/Studios
5. Business Lab
6. Research/Statistical Databases
7. Mootcourt
8. Theatre
9. Art Gallery
10. Any other facility to support research

Response: A. 4 or more of the above

File Description	Document
Upload the list of facilities provided by the university and their year of establishment	View Document
Paste link of videos and geotagged photographs	View Document

3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)**Response:** 61.64**3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by national and international agencies.****Response:** 45

File Description	Document
Institutional data in prescribed format	View Document
e-version of departmental recognition award letters	View Document

3.2 Resource Mobilization for Research**3.2.1 Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs).****Response:** 514.37**3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs).**

2020-21	2019-20	2018-19	2017-18	2016-17
12.00	103.52	277.47	41.68	79.70

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document

3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).**Response:** 10689.73**3.2.2.1 Total Grants for research projects sponsored by the government agencies year-wise during the last five years (INR in Lakhs).**

2020-21	2019-20	2018-19	2017-18	2016-17
2270.56	690.61	1836.79	4048.90	1842.87

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by government	View Document

3.2.3 Number of research projects per teacher funded by government and non-government agencies during the last five years

Response: 2.06

3.2.3.1 Number of research projects funded by government and non-government agencies during the last five years.

Response: 369

3.2.3.2 Number of full time teachers worked in the institution year-wise during the last five years..

Response: 897

File Description	Document
Supporting document from Funding Agency	View Document
Institutional data in prescribed format	View Document
Paste Link for the funding agency website	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge.

Response:

The MSUB has established Institute of Interdisciplinary Studies to build an inter-disciplinary research culture and Atal Bihari Vajpayee Institute of Policy Research and International Studies to serve as a think-tank on public policy, security and foreign policy, and development issues whereas Institute of Leadership and Governance (ILG) inculcates human, moral, ethical, and constitutional values and leadership qualities in students. It has established the Center for Startup and Innovation (CFSI) and Center for Incubation (CFI) under the Office of Career Advancement for Students that was set up in 2018 for providing impetus to the growth of innovation and startup eco-system in the university and region. The CFSI conducts activities to

encourage students' innovations and creativity. The CFI provides incubation support to incorporated start-ups and entrepreneurs. The university has set up 'The Maharaja Sayajirao Innovation Startup and Entrepreneurship Center' (MSISEC) for supporting innovations and startups which has been recommended as Section 8 Company. It has formed Advisory Committee including the Alumni-Entrepreneurs, Professionals, Chartered Accountants, Senate and Syndicate Members for framing and implementation of incubation and Intellectual Property Rights (IPR) Policies. It has established framework and procedure for providing financial and mentoring support to innovators for prototype development. It has evaluated more than 300 innovative ideas and supported 73 innovative projects. It has incubated 21 startups, 21 IPR /Patents. It has reached to 26000 people through Training and Awareness Programs, STTP, Seminars/Webinars, Workshops, Expert Sessions, and Invited Talks. It has organized 30 Innovation/Startup such as Ideathon, Innovation Tracks in Paramarsh and Footprints, innovative Project and Product Competition, Startup Meets, and Startup-Investor Meet. It has won 05 awards for supporting Projects/Students/Startups and has arranged 26 scrutiny meetings and 26 IPR meetings to scrutinize proposals for financial support. It has supported 102 students for participation in reputed Courses/Events/Summits and 81 faculties have supported for participation in Training Programs. It has submitted proposal to Nidhi-iTBI Scheme of DST for funding support of INR 4.5 Crores to make its operation self-sustainable. The financial assistance of Rupees 37.5 Lakh for infrastructure and Rupees 28.5 Lakh for recruitment of staff is sanctioned for the MSISEC. Investor and Mentor Network is being strengthened with new connections to Angel Investor Networks, Venture Capital Firms, Individual and Institutional Investors and Senior Professionals. ILG's Sayaji Startup Summit enjoy recognition as world's longest Startup summit. The Research and Consultancy Cell supports conduct of research, and consultancy. The university provides Fellowships, Certificate of Appreciation, Souvenir, Awards/Prizes, and Seed Money Grant etc.

The MSUB has created university-industry partnership to enhance industry interaction with students and teachers. The university has signed MOUs with several industry bodies and foreign universities for research and training programs. It has established 'Center for Publication Ethics-MSUB to develop awareness and promote academic integrity and publication ethics. It has approved 'Academic Integrity and Research Policy' to promote quality research and adherence of ethical guidelines as documented in 'Research Handbook' of the university. The university has introduced two-credit compulsory course 'Research and Publication Ethics' for PhD research scholars.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.

Response: 523

3.3.2.1 Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
88	175	110	84	66

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document

3.3.3 Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.

Response: 100

3.3.3.1 Total number of awards / recognitions received for *research / innovations* won by institution / teachers / research scholars / students year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
20	20	20	20	20

File Description	Document
Institutional data in prescribed format	View Document
e- copies of award letters	View Document

3.4 Research Publications and Awards

3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee

Response: A. All of the above

File Description	Document
Code of ethics for Research document, Research Advisory committee and ethics committee constitution and list of members on these committees, software used for Plagiarism check, link to Website	View Document

3.4.2 The institution provides incentives to teachers who receive state, national and international recognitions/awards 1. Commendation and monetary incentive at a University function
2. Commendation and medal at a University function 3. Certificate of honor 4. Announcement in the Newsletter / website

Response: A.. All of the above

File Description	Document
Institutional data in prescribed format	View Document
e- copies of the letters of awards	View Document

3.4.3 Number of Patents published / awarded during the last five years.

Response: 44

3.4.3.1 Total number of Patents published / awarded year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
20	9	7	6	2

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.4.4 Number of Ph.D's awarded per teacher during the last five years.

Response: 1.69

3.4.4.1 How many Ph.D's are awarded within last five years.

Response: 520

3.4.4.2 Number of teachers recognized as guides during the last five years

Response: 308

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
URL to the research page on HEI web site	View Document

3.4.5 Number of research papers per teachers in the Journals notified on UGC website during the last five years**Response:** 2.23**3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
400	400	400	400	400

File Description**Document**

Institutional data in prescribed format

[View Document](#)**3.4.6 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years****Response:** 1.4**3.4.6.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
243	242	269	242	257

File Description**Document**

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)**3.4.7 E-content is developed by teachers :**

1. For e-PG-Pathshala
2. For CEC (Under Graduate)
3. For SWAYAM
4. For other MOOCs platform
5. Any other Government Initiatives
6. For Institutional LMS

Response: A. Any 5 of the above

File Description	Document
Institutional data in prescribed format	View Document
Give links or upload document of e-content developed	View Document

3.4.8 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed

Response: 7.01

File Description	Document
Bibliometrics of the publications during the last five years	View Document

3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response: 41

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View Document

3.5 Consultancy

3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy.

Response:

The MSUB is a Multi-Disciplinary Education and Research University (MERU) with a robust research culture. It has always emphasized on the cultivation of strong links with industry and promotion of research work and various industrial activities by the faculty members and students. The MSUB has set up 'Research and Consultancy Cell (RCC)' in August 2012 to promote collaboration between academia, research institutes, industries and corporates. The RCC acts as a liaison between the university and private or Industrial funding agencies to undertake consultancy projects and other forms of consultancy. It provides specialized administrative and managerial support for execution of in-house and sponsored research, consultancy and other RandD related activities of the university to foster consultancy work. The consultancy assignments include job basically for providing expert advice, problem solving, targeted training, testing and laboratory based experimental work, undertaking sponsored research projects from industry, market research, surveys etc. The MSUB has approved consultancy policy which clearly specifies viz. Eligibility, Terminology, Terms and Conditions for Consultancy, University Consultancy Charges and

Fee for scientific and technical advice. The consultancy policy consists of 'General and Financial Guidelines including Conflict of Interest, Conditions for Projects, Consultancy, Confidentiality Audit Liability, Breach of Conduct, and Termination of the Consultancy Services etc. The RCC extend support to faculty members for undertaking sponsored industrial research projects and industrial consultancy projects. The university has provided consultancy services to number of institutions, departments and industries. Few of them includes viz., Western Railway, ONGC, L and T Power, Heavy Water Board, Buxar Thermal Power Project, NTPC, SoU, VMSS, Kendriya Vidyalaya, EME, Jilla Panchyat, CPWD Office, Barauni Dairy, Maheshkhunt, Bihar, Transpek – Silox, Aries Dye Chem Industries, Gujarat Fluorochemicals Ltd, Sud-Chemie India Pvt Ltd, etc. The assortment of consultancy services mix includes services and activities viz., Feasibility Studies, Technology Assessments, Assessment of Designs and or Current Manufacturing Process; Material, Energy, Environmental and Manpower Audits. Product Design: Job Wok Development of Process, Preparation of Chemicals, Pharmaceutical Formulations, Product Development, Software Development, General Troubleshooting, Condition Assessment and Retrofitting Exercises, Intensive Efforts for Transfer of highly focused skills and expertise to select groups in specific organizations etc. The consultancy assignments and jobs are structured incorporated and augmented in curriculum design and development to improve quality of teaching-learning and research in university. The RCC helps faculty members to file patents with financial support for it. The faculty members of MSUB executed 1378 consultancy and testing projects sponsored by various funding agencies and industries worth approximately Rs. 5 Crores during 2016-2021. During 2016-2021, MSUB mobilized funds worth Rs. 6 crores and Rs. 100 Crores through Research Projects sponsored by non-government and government agencies, respectively. The university also encourages especially young teachers from Humanities and Social Sciences to undertake research and consultancy. It has provided financial assistance to them for undertaking 105 research projects worth Rs. 1.04 Crores from its own corpus in NAAC Cycle-4.

File Description	Document
Upload soft copy of the Consultancy Policy	View Document
Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy	View Document
Paste URL of the consultancy policy document	View Document

3.5.2 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

Response: 541.65

3.5.2.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).

2020-21	2019-20	2018-19	2017-18	2016-17
244.29	45.59	121.14	68.20	62.43

File Description	Document
Institutional data in prescribed format	View Document
Audited statements of accounts indicating the revenue generated through consultancy	View Document
Any additional information	View Document

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years.

Response:

The Maharaja Sayajirao University organizes wide range of extension activities to sensitize and develop awareness among students and other stakeholders. It focuses upon social issues viz., Beti Bachao, Bachpan Bachao, Gender Equity, Dowry, Empowering Girls, spending time with differently-abled etc. It includes drive for Swacch Bharat, Say No to Plastics, Anti-Drug Addiction Drive, Free Health and Thalassemia Check-Up, Blood Donation Camps, Organ Donation Awareness Camp, Child Health Care Awareness, and other Government programmes. Street plays are performed on Save Girl Child, Eradicating Superstitions, Misuse of Social Medias, Child Labour, Domestic Violence, Laws and Rights of Women of Children, Anemia, and Reproductive Health of Women etc.

The university organizes campaigns concerning environmental issues viz., Save Planet Earth, Global Warming, Climate Change, Disaster Management, Noise, Air and Water Pollution, Save Water, Energy, Environment/Trees/Nature, etc. Drives for Tree-Plantation Drives, Forest Fires, and Visits are organized of Bio Club, Nature Park, Naturopathy Centre, Bonsai Workshop, Herbarium Preparation Site, An Arboretum and Sayaji Baug Zoo, etc. Competition viz., Posters-Making, Rangoli Making, Singing, Drawings, and Quizzes are organized. The students' associations collect donations for poor, and distributes Sanitizers, Masks, Medicines, Food Packets, Books, Old Clothes, Blanket, and mid-night meals to patients and their Covid-affected families.

The Law Faculty has established legal aid clinic and conducts programmes on viz., Constitution and Constitutional Values, Intellectual Property Rights, Cyber Laws/Crimes, Right to Education, and Voting Rights for the weak sections of society,

Family and Community Science and Social work faculties have implemented Internships and field work for community welfare activities. Foods and Nutrition Department celebrates breast feeding week and its alumni work with UN Agencies and UN Organizations to fight against Malnutrition.

Faculty of Social Work has initiated a field action project SETU-A virtual Help Desk related to COVID prevention and control. It has adopted 30 villages under Unnat Bharat Abhiyan. It has ensured 100 percent vaccination of one of the villages.

Faculty of Performing Arts organizes Sabha Gayan-Vadan, Nritya Parva and Manch Parva. students' conducts a series of Music, Dance and Drama Recitals and performances on social issues viz., Play,

Bhavai, Jingles on Independence Day, Republic Day and events of Government of Gujarat, Election Commission of India, and Vadodara Municipal Seva Sadan etc. Students visit Mental Asylum, Hospitals and Central Prisons to stress out them through performances.

The Institute of Leadership and Governance organizes Countrybution, a Summer Socio-Political Internship Program with a tagline '**One Month for the Nation**' open to students and citizens.

Students of Technology and Engineering organize Prerna exclusively for physically challenged persons. Counselling Centre of the Department of Psychology provides free psychological testing, counselling, and therapeutic services and Helpline services to the local community. The university has actively participated in Sujalam Sufalam Jal Abhiyan of Government of Gujarat. The Fit India Movement has been organized as inspired by our Hon. Prime Minister Shri Narendra Modiji.

File Description	Document
Upload any additional information	View Document

3.6.2 Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years

Response: 23

3.6.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
5	4	6	5	3

File Description	Document
Institutional data in prescribed format	View Document
e-copy of the award letters	View Document

3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 207

3.6.3.1 Number of extension and outreach programs conducted by the institution those through NSS/NCC, Government and Government recognised bodies during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
88	41	36	25	17

File Description	Document
Reports of the event organized	View Document
Institutional data in prescribed format	View Document

3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years

Response: 40.32

3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
14620	13380	14380	11894	11933

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 306

3.7.1.1 Total number of Collaborative activities with other institutions / research establishment / industry for research and academic development of faculty and students year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
368	307	272	260	323

File Description	Document
Institutional data in prescribed format	View Document
Copies of collaboration	View Document

3.7.2 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 144

3.7.2.1 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
38	22	22	29	33

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the MoUs with institution/ industry	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The MSUB has adequate Physical and IT infrastructure and facilities for teaching-learning to fulfil the personalized needs of the students and staff. It comprises of 12 campuses spread over 275 acre land with majority of heritage buildings of great architectural importance. It has 460 Classrooms and Lecture Theatres to conduct academic events, Lectures/Seminars/talks. The MSUB has 63 Seminar Halls and Conference Rooms, 230 Laboratories [Practical/Computer/Language] with essential equipment, software and other facilities and safety features for conduct of practical and research activities. It has 16 Hostels (04 Girls and 12 Boys) with total number of 1100 rooms having modern physical infrastructural, IT and support facilities to accommodate 3200 Boys and 1800 Girls students. Many Buildings of the Faculties/Departments have Digital Board and Video Conferencing facilities. The Smt. Hansa Mehta Library has collection of more than 8.5 lakh books, 14,000 Digitized Dissertations/Ph.D. Theses, and vast pool of e-resources with remote access facility for staff and students. Other online facilities include viz., Online registration, Library OPAC, IR@MSUB, National Digital Library, PhD. Thesis, e-Journals, Open Knowledge Gateway, DELNET, Anti-Plagiarism Software etc. It has centralized air-conditioned reading room to accommodate 1,600 readers. It has 13 constituent and 25 Departmental libraries with collection of specialized Books, Journals, and Archival Sources. The MSUB has an Astronomical Observatory, 8-Inch Refractor Telescope, Play Box, an Arboretum, a Botanical Garden and Animal House. IT has established museum in clothing and textile and museology departments whereas an archaeological museum of Arts faculty has rare collection of Harappan Unicorn Seals, Holy Relics of Lord Buddha, Toraman, Terracotta Buddha images etc. Faculty of Performing Arts has an audio studio and ward rob for theatre and dance costumes and museum of rare collected music instruments. The MSUB has Health Centre, Sports Union Pavillion, Gymnasium, Indoor sports Complex, Cricket Grounds Convocation Ground, Printing Press and Stationery Unit, University and VIP Guest House, 10 Auditoriums of different capacities, 03 Open Air Theatre, and 02 Amphitheaters, and 04 Art Galleries. Earlier, rupees 12 Crores were spent to set up wired LAN by the Alumni. Rupees 6 Crores were spent to set up of 7 RF Towers with 8364 LAN access points to make entire MSUB campus Wi-Fi-enabled Rupees 20 Lakh are being spent for the annual maintenance of this Wired LAN, and Rupees 32 Lakh for 02 Fire Wall Licenses of SOPHOS UTM for simultaneous access by 20,000+ students/staff. The university has procured more than 5800 desktop computers and 14500 tablets were distributed to students under NaMo Tablet Yojana.

700+ CCTV Surveillance cameras are installed in university campuses and further budgetary allocation of Rupees 85 Lakhs is committed for its expansion. Advanced Video Conferencing and Smart Classroom facilities are setup at Computer Centre, Faculty of Science and Faculty of Family and Community Science, Faculty of Technology and Engineering, Faculty of Science and Head Office. Multimedia Studio is set up at Faculty of Journalism and Mass Communications. Through setting up of Online Examination System, 6 lakhs+ online examinations of 45000+ students have been conducted successfully.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.2 The institution has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (gymnasium, yoga centre, auditorium, etc.,)

Response:

According to the provision of the MSUB Act, 1949, University Board of Sports is appointed, under chairmanship of Pro-Vice Chancellor and other esteemed members to organize, control, manage or supervise sports and tournaments, Inter-University Competitions, and preparation of budget.

At union pavilion the department of physical education provides state of art facilities for indoor and outdoor sport/ games, physical Education, Yoga for students, staff and alumni. It also consists of Swimming Pool, Gymnasium, Multi-Purpose Indoor Sport Complex, Two Cricket Ground, Basketball Court, Badminton Court, Hand Ball Court, Table –Tennis Court, two tennis courts with a wooden floor and a table tennis hall, Hockey turf, two volleyball courts Football pitch, Kabaddi courts, Kho-Kho courts and Clay courts.

Athletics track, Synthetic fields, Walking track as well as play areas and facilities are regularly used by students. The department organizes competitions at various levels such as “Inter & Intra-faculty/ Department, & arranges various sports events sponsored by Government departments, Sports academies/Association, league and Open” Khel-Mahakumbh, tournaments at Local, District, State and National level – depending on the tournament. The Sport complex also offers running track, washrooms and changing rooms.

It presently maintains a standard Athletics track (400 m, 8 lane), badminton court (Wooden floor- 13.4 m x 6.1 m - under the possession of MSUB Union), two basketball courts (International standard synthetic – 28 m x 15 m), two cricket fields (International standard with 6 + 4 turf wickets), a football field (105 m x 68 m), a handball field (40 m x 20 m), a hockey field (Clay court – 91.4 m x 55 m), a judo field (14 m x 14 m), two Kabaddi Grounds (13 m x 10 m for men and 11 m x 8 m for women), two Kho-Kho Grounds (27 m x 16 m), Malkhamb (Pole-men 01 and rope-women 04) a swimming pool (33 m x 13 m) with 6 lanes, Table Tennis Hall (International standard– 8 tables, 2.74 m x 1.525 m; under possession of MSUB Union), two tennis courts (International standard synthetic), four Volleyball courts (Two International standard synthetic and two clay, 18 m x 9 m), a walking track (approximately one km), a wrestling arena (12 m x 12 m), two University multi - gymnasiums - indoor and outdoor (Indoor - well equipped with strengthening, cardiac, yoga, aerobic zones; steam bath facility and counseling and consulting office) Multi-purpose Indoor hall for indoor games and sports.

To promote cultural activities, the university is having 10 auditoriums of different capacities, three open air theatre, and amphitheatres. The faculty of Performing Arts is having play, Concert hall, Gayan Vadan Sabha Khand for live Music & Dance Performances. It has housed Museum of Rare collected Music Instruments and one Audio Studio for recordings and editing as well as a Ward rob each for Theatre & Dance costumes.

File Description	Document
Geotagged pictures	View Document
Paste link for additional information	View Document

4.1.3 Availability of general campus facilities and overall ambience

Response:

The MSUB inherit many majestic, spacious heritage buildings and to this, many new buildings with modern amenities and infrastructural facilities have been added to meet the growing requirements of the rising number of students. MSUB comprises of 12 campuses spread over 275 acre land. It has 460 classrooms, Student Canteens, 63 Seminar Halls and Conference Rooms, 230 Laboratories and central instrumentation facility. It has 16 Hostels (04 Girls and 12 Boys) with total number of 1100 rooms to accommodate 3200 Boys and 1800 Girls students. It has 425 well-furnished residential staff quarters. The Smt. Hansa Mehta Library has collection of more than 8 lakhs+ Books with vast pool of e-resources with remote access facility for staff and students. The MSUB has 13 constituent and 25 Departmental libraries. It has an Astronomical Observatory, 8-Inch Refractor Telescope, Play Box, an Arboretum, a Botanical Garden and Animal House. The MSUB has 10 Auditoriums, 03 Open Air Theatre, and 02 Amphitheatres, and 04 Art Galleries, University and VIP Guest House and Printing Press and Stationery Unit. The MSUB has Clothing and Textile, Museology and Archaeological Museums. Faculty of Performing Arts has an Audio Studio, Ward Robe and Museum of rare music instruments. Audio Video Studio is being set up at Faculty of Journalism and Mass Communications. The MSUB's sports facilities include Union Pavilion, Cricket Ground, Multi-purpose Indoor Sports Complex, Gymnasium, Swimming Pool, Basketball Court, Badminton Court, Handball Court, Table Tennis Hall, Hockey Field, and Football pitch. The MSUB has put efforts to make its campus Divyangjan-friendly by providing facilities of viz., Restrooms, Washrooms, Ramps, Banister, and Elevators. The entire MSUB campus is Wi-Fi-enabled with facility of simultaneous access by 20,000+ students/staff. The university has procured more than 5800 desktop computers and 14500 tablets are distributed to students. 700+ cameras are being installed for CCTV Surveillance. Many Faculties/Departments have Digital Board and Video Conferencing facilities and Advanced Video Conferencing and Smart Classroom facilities are set up at university Head Office, Computer Centre, Faculty of Science, Family and Community Science, Technology and Engineering. The MSUB's Health Centre caters to the medical needs of students and staff whereas union pavilion provides indoor and outdoor sports facilities to them. The Computer Center has enabled implementation of various innovative e-Governance initiatives of the university. The MSUB has put efforts to add, augment and improve physical and IT infrastructural facilities for students and staff with financial assistance received from Government of Gujarat, RUSA, Alumni, other funding agencies and also from its own corpus.

The Seminars / Workshops / Conferences are organized in campus whereas classrooms and laboratories are being put to optimal use by arranging the theory and practical classes in shift basis. The MSUB shares infrastructural facilities with centres of IGNOU, and BAOU and AICTE, New Delhi. The MSUB also acts as nodal center for GSLET. Outside Agencies and Organizations are also allowed to use the Auditoria / Conference Halls / Lecture Theatres on chargeable basis, which facilitate generating funds and partially support the maintenance of these facilities.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

Response: 58.95

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
5310.6	4289.98	4261.91	3042.63	4299.17

File Description	Document
Upload audited utilization statements	View Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

Response:

Smt. Hansa Mehta Library is among the top 10 must visit biggest libraries in India (<https://www.hmlibrary.ac.in/>). It has initiated new ideas in line with digitization and automation aimed at exploring the digital scholarship for the benefit of MSUB faculties, researchers and students.

Automation:

Smt. Hansa Mehta Library is using SOUL software is in the process of updating the version of software. The total collection of University Library system will be in process of transforming from SOUL 2.0 to SOUL 3.0. It has updated all the data of books exe of OCS 2.0 i.e. Online Copy Cataloguing. It has customized the software and has created an online registration portal for registration and membership. It offers remote access of all subscribed learning resources resultant into very high usage of its learning resources. An e-resource centre has been developed at Sir Sayajirao Memorial Trust Library meant for UG students useful to UG students for preparing project work, and other academic activities.

Digitization

Smt. HM Library is ahead in digitization process. It has entered an MoU with INFLIBNET and has digitized 3900+PhD Theses since the inception of the University and uploaded on SHODHGANGA. All these PhD Theses are uploaded on Institutional repositories and also on ProQuest Dissertation and Thesis (PQDT). The university have an in-house facility to digitize rare books and the books that are in brittle condition. 300+ scanned books, faculty publications, question papers and annual reports have also been digitized and uploaded for access on institutional repository (IR@MSUB). The HM library add lots of e-pages on Internet on daily basis. It has created a platform named "Open Knowledge Gateway" to offer customized access of free resources viz., e-books, e-journals, directories, dictionaries, subject portals without geographical limitations. It is having access of 01 Million e-books through World e-book library and the access to South Asian Archives through an active partner NDLI. The university has eliminated transcription errors while implementation of electronic workflow process, and security protocols to enhance its access amongst users. The Oriental Institute of university have a precious collection of very old and rare manuscript from 16th and 17th centuries and each of these manuscripts have been digitized with the help from National Mission on Manuscript. The HM library is having 1000+ e-books that are accessible through 10 kindles. It offers Local Guru-digital Library Online and students can access all NPTEL Videos from the library without Internet connection. The university has conducted workshops on digitization in collaboration with NDLI. It has linked subscription facilities for access of digital libraries viz., ASTM Digital Library, Knimbus Digital Library, and DELNET Digital Library. It is in the process of digitizing Audio and Video files of faculty of Performing Arts and images, sculptures collections of Faculty of Fine Arts with the help from BHARATVANI Project, Mysuru. The university has sought the funding from State Archives to digitize Baroda Collection having reservoir of documents and photographs of Baroda Princely State.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document

4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 362.63

4.2.3.1 Annual expenditure for the purchase of books and journals including e-journals year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
431.95	433.26	352.78	287.74	307.41

File Description	Document
Institutional data in prescribed format	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 3.47

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 1246

File Description	Document
Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents)	View Document

4.3 IT Infrastructure

4.3.1 Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)

Response: 66.07

4.3.1.1 Number of classrooms and seminar halls with ICT facilities

Response: 403

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Paste link for additional information	View Document

4.3.2 Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

Response:

The Maharaja Sayajirao University of Baroda has approved its Information Technology (IT) Policy in year 2016. Initially, Rupees 12 Crores were spent to set up Wired LAN with the technical and financial support of alumni. It has made provision of 8000 Plus LAN access points with the installation of the Fiber Optic Cable having spread of 30 Kms throughout the university campus. The university has spent Rupees 2 Crore for the establishment of WI-FI infrastructure facilities, and Rs. 18 lakh are annually spent for maintenance of the Wired LAN. The university has 02 Fire Wall Licenses of SOPHOS UTM for which Rupees 32 Lakh have been spent in past 3 years to ensure simultaneous access of Wired LAN by 20,000+ students/staff. Student license of YouTube channel has been subscribed. The University has indigenously developed Online Examination System used to conduct more than 6 lakhs examinations of 45000+ students. CCTV Surveillance System with more than 700 CCTV surveillance cameras are installed in Hostel Blocks and Faculties. The university has allotted budget of Rupees 85 Lakh to install 3000 CCTV cameras and other equipment to cover entire university. Budgetary allocation of Rupees 5 Crores has been made for AMC of CCTV Surveillance System.

Advanced Video Conferencing facility is installed at university Head Office, Computer Centre, Faculty of Science and Faculty of Family and Community Science. Smart Class Room facility has been set up at Faculty of Technology and Engineering and Faculty of Science. Advanced Audio Video Studio is being developed at Faculty of Journalism for Audio Video Recording and Broadcasting and production of e-content development for Swayam, and NPTEL. A language laboratory is setup for BBA Programme. The Computer Centre has initiated an indigenous MSUB-IS project to create a true Digital University that encompasses student life cycle with facility of Admissions, Hostel Admission, Libraries, Canteen, etc.. In year 2021, more than 65000+ students have applied for admission through MSUB-IS software. Hostel Admission Software with online features of Hostel Admission Application, Fee Collection and Room Allotment has been implemented. The university has allocated Budget of Rupees 3 Crores for implementation of MSUB-IS project in 03 years. The university has procured 5886 Desktop Computers and 14500 tablets were distributed to students under Namu Tablet Yojana. The university has approved and adopted e-Waste Policy and Procedure for disposal of outdated ICT and Electronic Equipment. The university has conducted CCC examinations of 90,000+ Government Employees. The university has indigenously developed Annual Report Management System for teachers to update their biodata and details of academic and administrative progress/achievements. The University has set up Learning Management System implemented with Moodle Software to conduct online quizzes and objective based examinations, uploading of assignment and teacher's digital material for students. The university has purchased 154 Graphic Tablets that are useful especially teaching technical subjects. Online classes are held using software of Microsoft Teams with its 2500 licenses having basic facilities like Attendance, Assignment, Presentation, Recording being maintained online with support of Computer Centre.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.3.3 Student - Computer ratio (Data for the latest completed academic year)**Response:** 7.09

File Description	Document
Student – computer ratio	View Document

4.3.4 Available bandwidth of internet connection in the Institution (Leased line)**Response:** A. 71 GBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.5 Institution has the following Facilities for e-content development

1. Media centre
2. Audio visual centre
3. Lecture Capturing System(LCS)
4. Mixing equipments and softwares for editing

Response: A. All of the above

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Links of photographs	View Document

4.4 Maintenance of Campus Infrastructure**4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years****Response:** 25.71**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
1826.95	1640.96	2041.91	1649.71	2030.11

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Audited statements of accounts	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

The MSUB has established systems and procedures for maintaining and utilizing the physical and academic support facilities. It has framed its maintenance Policy to maintain and use physical, academic and support facilities. The Construction Division (CD) is mainly responsible for maintenance of physical infrastructure, 12 campuses, and allotment and maintenance of 425 residential quarters of the university. Director, Computer Centre is responsible for maintenance of IT infrastructure whereas Director, Physical Education, Medical Officer, Health Centre and University Librarian as well as concerned Deans /Principals of the Faculties/Colleges are responsible for maintaining and utilizing the physical and academic support facilities viz., laboratory, library, sports complex, computers, classrooms etc. The CD looks after new construction, routine maintenance including special repairs of all existing Buildings as well as Water Supply, Drainage, Roads, Street Light, Landscape, Housekeeping, etc. with financial support received from UGC, RUSA and Government of Gujarat. The CD committee prepares proposals, invite tenders and executes Annual Maintenance Contracts (AMCs) for various activities viz., Painting, Plumbing, Carpentry, Electrical, Pumping, Campus Cleaning (Indoor and Outdoor), House-Keeping as well as operating Air-Conditioner, Electrical Fixtures, Audio-Video and also for maintenance of Auditoriums, Seminar and Conference Halls, laboratories, Play Grounds etc. The CD seeks support of consultants viz., Architect, Structural Engineer, PMC, etc. for preparation and submission of Project Reports to funding agencies. The staff of CD includes Civil, Electrical, Mechanical Engineers, Horticulturist and Artisan staff viz., Carpenter, Plumber, Wireman, Mistry, Gardener, Pump Man, Cleaners' Sweepers' and Gardeners etc. as well as administrative staff viz., Accountant, Store-keeper, Clerks of Works, Record Keeper, Bill Clerk etc.

The university constitutes various Statutory Committees viz., Purchase, Building, Finance and Establishment, Investment, Press Supervisory, and Computer Expert Committees etc. as well as advisory bodies for Halls of Residence, Hostels, Health Centre, Computer Centre and various other Offices Cells and Centres of the university. It is mandatory to make purchases of available products viz., Scientific Equipment and instruments for laboratories, Computers, Water Coolers, Air-Conditioners, Cameras, and Furniture etc., and also to execute contracts for AMCs for procurement of services through GeM only.

The Finance Committee looks after the finances for the developmental works and preparation of the Annual Budgets, Revised Financial Estimates, Annual Accounts and Audited Financial Statements for the

approval of the Syndicate/Senate of the university.

Each Faculty constitutes 'Faculty Development Committee' to procure various services and also to ensure purchases, maintenance and improvement of physical, academic, and support facilities. The Library staff is trained to take care and handle library documents. Proper anti-termite treatment, Anti-Rodent and Insect's treatment are done on regular basis. Fire Safety Equipment are maintained properly and are cross- checked through mock drills. All electrical installations in the campuses are checked to prevent fire. Proper cleaning, fumigation is undertaken in the campus on regular basis. The University has appointed Police Officer (Retired) as Security and Vigilance Officer to lead separate Vigilance Squad of Gents and Ladies to ensure safety and law and order in university campuses.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).

Response: 52.54

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
15513	14335	21866	18129	15963

File Description	Document
Upload self attested letter with the list of students sanctioned scholarship	View Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

5.1.2 Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.

Response: 40.98

5.1.2.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
9155	15283	15054	13007	14261

File Description	Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document
Link to Institutional website	View Document
Link for additional information	View Document

5.1.4 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document
Link for additional information	View Document

5.2 Student Progression

5.2.1 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 92.55

5.2.1.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government

examinations, etc.) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
61	169	343	220	300

5.2.1.2 Number of students appearing in state/ national/ international level examinations (eg: IIT/JAM/ NET / SLET/ GATE/ GMAT/CAT,GRE/ TOEFL/ Civil Services/ State government examinations) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
70	182	357	243	312

File Description	Document
Upload supporting data for the same	View Document
Institutional data in prescribed format	View Document

5.2.2 Average percentage of placement of outgoing students during the last five years**Response:** 20.87**5.2.2.1 Number of outgoing students placed year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
2284	2207	3289	1112	2265

File Description	Document
Self attested list of students placed	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

5.2.3 Percentage of student progression to higher education (previous graduating batch).**Response:** 50.35**5.2.3.1 Number of outgoing student progressing to higher education.**

Response: 6613

File Description	Document
Upload supporting data for student/alumni	View Document
Institutional data in prescribed format	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards / medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) during the last five years.

Response: 279

5.3.1.1 Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
17	86	51	82	43

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters and certificates	View Document
Link for additional information	View Document

5.3.2 Presence of Student Council and its activities for institutional development and student welfare.

Response:

MSUB Handbook Act, 1949 has the provision of a University Union of students, a statutory body elected alike State or National elections to instill leadership qualities among students. General Secretary and Vice President (reserved for Girl Students) of the University Union become the ex-officio members of the Senate of the university. Additionally, each Faculty/College elects General Secretary, Faculty and Class/Department Representatives to form Students' Association. These student bodies help students to create connections, build relationships, expand skill sets, sensitize, and orient and inculcate values and ethical practices. They organize inter-faculty/departmental academic, social, cultural and sports events and raise funds. Each year youth festival is organized with support of Dean of Students and Dean of Sports, to unleash students' potential in Literary, Sports, Fine Arts, Public Speaking, Poetry, Arts and Crafts, and Performing Arts. It fosters confidence, discipline, partnership, team building, communication, leadership

and management skills, relevant work experience and skill enhancement to ensure holistic growth and development of students aimed at creating sense of belongingness and recognition. The students participate enthusiastically in several activities simultaneously organized by these student bodies which include viz., Group discussions, Debates, Elocution, Public lectures, Story Writing and Essay Writing, Publication of Magazines, Bulletin and Wall Newspapers, and G.K. Quizzes. Cultural, art and adventure events consist of Performances and contests viz., Poetry Recital, Antakshari, Western and Indian classical Music (Solo-Vocal, Instrumental, Group Song), Dance (Indian Classical Solo, Folk, Free Style), Drawing, Painting, Poster Making, Rangoli, Clay Modelling, Caricature, Handicraft, Mono Acting, Mimicry, One Act Play, Mime and Treasure Hunt. Sports events include viz., Table Tennis, Chess, Badminton, Volley Ball, Basketball and Football. They also celebrate commemorative days like Independence Day, Republic Day, Teacher's Day, Gandhi Jayanti, etc. as well as festivals viz., Uttarayan, Holi-Dhuleti, Ganpati Mahotsav, Navratri, Diwali, Christmas, Onam, and implement initiatives of national importance viz., International Yoga Day, Environment Day, Fit India Movement etc. It also organizes competitions viz., Rangoli, Drawing, Painting, Caricature, Craft, Mehndi, Debate, Antakshri, Dance, Music fests and concerts etc. It organizes awareness drives on Campus Cleanliness, Corona Awareness, Voter's Awareness, 108 Service, Blood Donation Camps, Thalassaemia Check-up Camps, First-Aid Training, Self-Defence Camps, Fit India Movement Drive, Eat Right Movement, etc. Students' bodies encourage the winners of various events held during Youth Festival and other events to participate in inter-university and international competitions within and outside the nation to prove their mettle in their chosen field of extra-curricular activities.

Few prestigious students' events include viz., Prerna, Paramarsh, Footprints, BBA Baazigar, Cyberia, Yuvaantas, Techkshetra, Neev, Aditya, Kaffila, Razzmatazz etc. solely managed by the students. MSUB has established 'Directorate of Student's Welfare' primarily to disburse scholarships based on Home Visits, Personal Counselling and Personal interviews of students belonging to economically weaker sections w.e.f. 2012-13. It also organizes activities concerning Sports, Literary, Cultural, Moral Education, and Placement and Counselling of students. During cycle-4 of NAAC accreditation, DSW has disbursed Rs. 5.1 Crores to 13595 students. Government, Individuals, NGOs, and Philanthropes also provide scholarships to the students.

File Description	Document
Link for additional information	View Document

5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

Response: 30.2

5.3.3.1 Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
37	24	35	18	37

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.

Response:

Alumni of the MSUB have an emotional connect with the university. There are registered alumni associations in some departments viz., Architecture, Civil, Electrical, Computer, Clothing and Textiles, Food and Nutrition, Home Management, Human Development and Family Studies, Extension and Communication, Pharmacy, Medicine, Fine Arts, Performing Arts, Education and Psychology of which Pharmacy, Clothing and Textile, Faculty of Social work and Medicine.

The Office of Alumni Affairs and Donors' Relations acts as a coordinating office for alumni activities in MSUB. It has launched interactive website titled "alumni.MSUBaroda.ac.in". Its key activities include viz., arranging monthly alumni interaction session; formation of alumni associations; Coordination of Heritage Walk "Xplore MSUB – Route to our Roots"; MSUB Heritage Exhibitions; preparation of Short Films on MSUB Heritage; launch of Distinguished Alumni Award, and Alumni Safalta Stories –The talk of Triumph. It has signed an MoU with a group of alumni from Faculty of Technology and Engineering under the title of MSUB Vision 2020 to undertake certain activities viz., Mentoring Program; Incubator Program; institution of Merit Awards and Catalyst Program to hold a series of interactive webinars.

Alumni have played a vibrant role in keeping the legacy intact with the development of the infrastructure, modernization, and improvement of MSUB, which include development of infrastructure such as Amphitheater, Computer Laboratories, Seminar Halls, Libraries, Renovation of existing Classrooms and Laboratories, installation of LCD Projectors, Water Coolers, providing Furniture and Equipment for Laboratories, establishment of Gold Medals, providing Scholarships, Donating Books, and resource materials etc. Alumni organizes webinars, expert lectures, and provides support for project works, facilitates industrial and site visits, felicitating meritorious students with merit awards as well as institutionalize gold medals, guide and support students in start-up and incubation projects, provides financial support for start-up ideas, individual mentoring and counselling of students, support fashion shows and exhibitions, conduct workshops, offer industrial and professional internships, training and placements and participates in curriculum design and development, and share their expertise for regular and certificate programmes. They offer financial, logistic, and managerial support in conduct of student events and exhibit their personal heritage collections as well as art (Paintings, Murals, etc.) and auction these creations for raising funds for students' activities. Many have allowed students to use their factories, offices, and facilities to work on their ideas and offer them financial support and technical guidance. Alumni have also supported cultural events like Garbas, Musical Evenings, Funfairs, Sports Competitions involving students and alumni, Band Nights, Bonfires that strengthens emotional bonding and is an opportunity for students to make personal and professional connections and networking. Several clubs like

MSUB Vision 2020 Toastmasters Club, Talk Series, Extra Mural Lectures helps university in connecting alumni with existing students to make them industry ready and prepare them for the professional corporate world. The university has institutionalized several merit awards viz., Outstanding Alumni Achievement award, Dr Mrunalini Devi Puar Memorial Oration Award, Outstanding Student award (PG level): Outstanding Student award (UG level), MSUB Vision 2020 merit awards with the support of alumni to raise morale of students.

File Description	Document
Link for additional information	View Document

5.4.2 Alumni contribution during the last five years (INR in Lakhs)

Response: A. ? 100 Lakhs

File Description	Document
Any additional information	View Document
Link for any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance.

Response:

MSUB is a Multi-Disciplinary Education Research University (MERU). "Satyam Shivam Sundaram" of the university stands for 'Truthfulness-Godliness and Beauty. MSUB is a temple of knowledge. It aims to sustain its deep rooted social and national values of ancient India. It inculcates human values, tolerance, compassion, and equanimity among students and staff. It has consistently put efforts to sustain an environment of academic excellence and innovative research to enable students and staff think globally create an equitable society that ensures better quality of life to all. It has a strong ethical work culture and inclusivity. Majority of its committees include female staff who held positions of Deans/Principals/Head of the Department/Director of Faculties/Colleges. MSUB successfully attracts students across India and International Students from 37 Countries. Seats are reserved for students of J&K and Tibet. It offers financial assistance to students of economically weaker sections through Directorate of Students' Welfare. It takes special care of Divyangjan by providing specific services/facilities to them. It adheres Government Policies for students' admissions and recruitment of staff. The MSUB sensitizes students and staff towards cultural, regional, linguistic communal and socio-economic diversities. It respects and values attributes of tolerance harmony considering dress, food, habits, customs, caste, dialects, religion, and culture. The illustrious alumni of MSUB are spread across the World and extend support to university. Extension and community outreach have become a way of life at the university. The Students participate in NCC, NSS, ACC and celebrate commemorative days. They organize and participate in viz., Academic, Literary, Art, Social, Cultural, Musical Events, and performances in Dance, Drama Sports, and Adventure events/festivals. The MSUB has established Jammu Kashmir, Northeast and Tibetan Cultural Centres. The MSUB has established Institutes viz., Interdisciplinary Studies, Atal Bihari Vajpayee Institute of Policy Research and International Studies, and Institute of Leadership and Governance to promote research and inculcate human, moral, ethical, and constitutional values and leadership qualities in students. It has set up MSISEC to support startup and innovations now recommended as Section 8 Company. The MSUB's Governance is routed through authorities of the university viz., Senate, Syndicate, PG Council of Studies and Research, Faculty and Board of Studies.

The MSUB Act provides for constituting viz., Purchase, Finance and Establishment, Investment, Building committees etc. with memberships of Alumni, Nominated/Elected/Ex-Officio Members from Government, Faculty/College, Departmental staff/students of the university. For administration and Governance, MSUB has established sections viz., Accounts, ADE, ADM, GCU, Academic, Examinations, GCU, GeM Purchase Cell, Audit and Construction division to carry out Academic, Administrative and Grants and funding related procedural compliances. The University has signed significant number of MoUs with international Universities/Institutes. It has established Cells and Offices viz., International Affairs, Corporate Affairs, Alumni Affairs and Donors Relationships, Career Advancement for Students and MDC. MSUB has developed Cells viz., IQAC, Research and Consultancy, Communication, Career and Counselling, Placement, Human Resource and Development Directorate of Students' Welfare, etc. for strengthening academic and administrative Governance to realize vision and mission of MSUB. Majority of the processes are routed through the IQAC.

File Description	Document
Link for additional information	View Document

6.1.2 The effective leadership is reflected in various institutional practices such as decentralization and participative management.

Response:

The success of MSUB is the result of the Participatory Management Practices, Decentralization and Collective Leadership and integrated efforts of Strong Teamwork viz., Staff, Students, Industry Experts, Alumnus, Parents etc. who strives continually to achieve the vision of MSUB. Decentralization and participative management are intrinsic to the work culture in university that emanates from a sense of trust and forbearance amongst the Staff and Syndicate/Senate of the university. The Syndicate being executive body closely interacts with all the stakeholders viz., Teachers, Students, Syndicate/Senate Members, Officers of the University, Government Officials, Industry Professionals etc. to address their queries, and satisfy personalized needs. The Syndicate takes decisions in collaboration and consultation with Vice-Chancellor and input from Officers and Registrar of the university. The financial proposals concerning Purchases, Investments, Building, Construction, etc. are placed before Finance and Establishment Committee and Syndicate for approval. The university encourages development of quality leadership among faculty members. The academic and administrative autonomy empowers teachers to enhance interest of student community. The successful implementation of the Choice-Based Credit System/Offering of Electives across the university though empowered decentralization, academic autonomy and practice of participative management has trickled down to the level of an individual teacher. Participative management is being practiced through consideration and deliberation on the opinion, viewpoints, perspective and suggestions sought as well as consideration of decision of each of individual teachers in 'Department /Faculty Level Academic Advisory Committee' constituted which also includes industry/subject experts, nominees of Vice Chancellor, Senate, Syndicate and Government. The university ensures participation of student body through electing University General secretary/Vice President (Reserved for Girl Student) as well as Faculty General Secretary, Faculty /Class representatives, and Student Executive Committees/Associations/Clubs etc. Grievance redressal, curriculum changes/improvements and overall visioning happen through a more open deliberation in participative management. The university delegates powers of decision-making to disbursement officers supported with establishment of Cells, Offices, Bodies and Committees. The various committees comprising of faculty members, officers and other stakeholders' function well and help university to frame policies and conduct academic, research, and extension activities.

The University/Faculty/College constitutes various committees, viz., Internal Quality Assurance Cell (IQAC), Admissions, Hostel Accommodation, Library, Timetable, Student Welfare and Scholarships, Sports and Fitness, Maintenance, Annual Report, Examinations, Development Fund, Purchase and Anti-Ragging Committee etc.

It also includes Cells/Offices viz., Placement and Training, Grievances Redressal, Internal Complaints Cell, Career Counselling, Communication etc. for smooth and efficient functioning of academic, research, administrative, co-curricular and extension activities. The leadership of the University though periodical review meetings of various committees constituted for bringing improvement in the governance of the University activities monitors and bring continual quality improvements. The reports of the specialized

internal/external committees are subsequently considered and monitored by the PG Council and Syndicate of the university. A democratic decision-making process helps the University to have truly participatory decentralized administration. The university provides a platform for interactive interface and partnerships to its teaching and research community.

File Description	Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic plan is effectively deployed.

Response:

One of the successfully implemented activity based on the strategic plan is 'Implementation of the NEP2020'. The strategic plan has been drafted considering hierarchy and institutional support to realize vision and mission statements of the university. It has included various growth and development dimensions for achieving excellence in viz., academic, research, extension, governance, leadership, physical and ICT infrastructural improvement with strategic focus on access, expansion, equity and inclusion as envisaged in implementation of the NEP2020. It also aims to strengthen eco-system for promoting start-up and innovation, capacity building, collaborations, gender equity, and environmental sustainability for achieving holistic growth of students. Almost 90 percent of more than 300 academic programs have been modified/revised. The GER of university has increased by 18% from total number of 36,884 (2016-17) to 43,278 students (2020-21), and figure of research scholars has reached from 850 (2016-17) to 1100 (2020-21). It consists of female students (52 percent) and staff (47 percent). Girl students have been consistently bagging more gold medals. The Post of Vice-President of the university election is exclusively reserved for Girl student. Majority of the committees comprises of memberships of female participants. The university has established Anti-Ragging Committees, UGC's Women's Studies Research Center, Women's Grievance and Redressal Cell along with Non-Discrimination Policy to focus on gender sensitivity. The Research and Consultancy Cell extend support to research, consulting, and RandD activities with its well-defined 'Research, Academic Integrity and Consultancy Policy'. It has allocated 'Academic Development Fund' to implement research incentivization schemes for encouraging quality research publications/citations and filing of Patents and Copyrights. It has organized various extension activities to sensitize students on social and environmental issues viz., Beti Bachao, Beti Padhavo, Gender Equity, Dowry, spending time with differently-abled etc. It includes drive for Swachhh Bharat, Say No to Plastics, Anti-Drug Addiction Drive, Free Health and Thalassemia Check-Up, Organ Donation Awareness Camp, Save Planet Earth, Global Warming, Climate Change and such other Government programmes. The students' volunteers of NSS, NCC and other associations had distributed Sanitizers, Masks, Medicines, Food Packets, Books, Old Clothes, Blanket, and mid-night meals to patients and their Covid-affected families.

The university has established 'Directorate of Student's Welfare' to disburse scholarships to students belonging to economically weaker sections. Since 2016-17, it has disbursed Rs 5.1 Crores to 13595 students excluding other financial scholarships disbursed by NGOs, institutional bodies, individuals Philanthropers and scholarships given by Central and State Government of India.

The entire university is Wi-Fi enabled supported with required IT infrastructure viz., more than 8000 LAN access points, 1800+ wifi routers, installation of the Fiber Optic Cable having spread of 30 Kms, Fire Wall Licenses, CCTV Surveillance System, Advanced Video Conferencing facility, Smart Classroom, and Advanced Audio Video Studio etc. It has implemented indigenously developed and implemented various e-Governance initiatives viz., Online Admissions; Pre-examination and Post-Examination Appointments; Employment @ MSUB through Recruitment Portal; Human Resource Management System; Mobilization of Grants; Internet Access 24x7 in MSUB Campus; Digital University (DU) Framework; MSUB Examination Portal and Annual Report Management System (ARMS).

File Description	Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

MSUB on pursuing of the idea of establishing a University by Shrimant Maharaja Pratapsinhrao Gaekwad on the recommendation of the Government of Baroda, MSUB was established on 30th April, 1949 and recognized under Indian Universities Act, 1958. The Governor of Gujrat is a visitor as per MSUB, Act 1949. Authorities of MSUB are Senate, Syndicate, Faculties, Council of Post-Graduate Studies and Research, Board of Studies and Board of Accounts. The Officers of the university are Chancellor, Vice-Chancellor, Pro-Vice-Chancellor, Deans/ Principals of Faculties/Colleges, Registrar, and Librarian with clearly defined powers and responsibilities under the MSUB Act,1949. The administrative set up has Senate and Syndicate as the apex bodies in the legislative and executive domain respectively, with Vice Chancellor in the Chair. The Vice-Chancellor and Pro-Vice Chancellor are academic as well as administrative authorities. On the administrative side, it is followed by the Registrar, Joint Registrar, Chief Accounts Officer, Development Officer, University Engineer, Auditor, Deputy Registrar, Public Relations Officer, and Assistant Registrar etc. The university carries out its academic administration through different sections of the university. The Academic Section academic matter, Eligibility, Enrollment, Ph D registration, and recognition of PG teacher etc. The Accounts Section deals with Revenue Accounts, Grants Accounts, Memorial and Charitable Fund and Higher Payment Programme and Provident Fund Account of the entire University. The ADE Section deals with staffing or Personnel of the University. The ADM Section is responsible for Constitutions, Meetings and Elections of viz., Senate, Syndicate, Board of Studies, Appointment of Deans/Principal / Heads of Departments of Faculties/Colleges, and Republic/ Independence Day Celebrations, Scholarships, and Terms and Vacation etc. The Audit Section does pre-auditing for Payments, Scrutiny of Purchase Proposals and ensures due compliances of Audit Paras of AG and Government of Gujarat. The Construction division is responsible for Capital Nature and Civil Works, Repairs and Maintenance including allied services and utilities and liaison with local authorities. The Grants Commission Unit deals with implementation of Research Schemes and liaison with funding agencies, and preparation of Annual Report. The IQAC essentially deals with Ranking and Re-Accreditation, and Scrutiny of Applications for Promotion and Recruitment, Performance Appraisal etc.

The university has framed various policies, viz., Research and Consultancy, Information Technology, e-Governance, Maintenance, Gender Equality, Green, e-Waste, Waste Disposal, Academic Integrity and Prevention of Plagiarism, Code of Conduct and Ethics and has undertaken Water Audit, Green and Environment Audit, Energy Audit, Gender Audit and AAA.

The university has approved Statutes/Ordinances concerning viz., Direct Recruitment, Promotion under CAS, Leave Rules, Staff Welfare, Investment, Disposal of Dead Stock, Student Admissions/fees, Donations, etc. that are framed considering Government Resolutions, Gazette Notifications of the Statutory Bodies and Councils and Directives/Policies of the State/Central Government of India. The Syndicate is empowered to constitute statutory/non-statutory committees viz., Purchase, Finance and Establishment, Investment, Building and Planning, Library, Annual Report, Equivalence and Adhoc Committee etc. whereas Annual Accounts, Financial Estimates, Assignment of Faculties, Institutionalization of Gold Medals and Conferring of Degrees/Diplomas etc. are under the power of the Senate of the university.

File Description	Document
Link to Organogram of the University webpage	View Document
Link for Additional Information	View Document

6.2.3 Institution Implements e-governance covering following areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View Document
Link for additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff .

Response:

MSUB is following time bound and transparent performance appraisal system for teaching and non-teaching staff. The structure and suggestive format of performance appraisal system has been prepared for Direct Recruitment and Promotion of teachers under Career Advancement Scheme is based on adopted Gazette Notifications of the UGC Regulations, 2018 and AICTE Regulations, 2019 in form of Revised Ordinances 198-B and 291 respectively. Majority of Faculties/Constituent Colleges are covered under UGC Regulations, 2018 whereas Faculties of Technology and Engineering, Pharmacy, Architecture, and Management Studies are covered under AICTE Regulations, 2019. The prescribed format of UGC is concise while that of AICTE has prescribed 360 Degree Appraisal. The university integrated both these and regulations of other Statutory Bodies/Councils taking a comprehensive view and blended these formats and ordinances. Consideration of qualifications and other requirements as per regulations of other Statutory Bodies/Councils for screening of the application and selection procedures for under CAS along with prescribed format and directives/Guidelines for time bound promotion of Teaching and for Non-Teaching Staff based on the Performance Report of the peers is followed by the university as per norms of Government of Gujarat.

All permanent employees avail financial benefits, leave entitlement and support under welfare measures as per norms of the Government of Gujarat. It includes viz., Gratuity, Provident Fund (Group PF / PF Schemes), Group Insurance, Bonus, Earned Leave Encashment, Home Travel Concession, Pension (Old/New Scheme), Commutation of Pension, and allowances (DA, HRA, Examinations, Uniform, Food Grain, Festival etc.) as well as leaves (Casual, Sick, Sabbatical, Maternity, Paternity, Duty/On Duty, Study, Extra Ordinary etc.) as well as Residential, Medical, Sports facilities etc. either free of cost or at concessional rate as available in the university. The university staff credit society provide financial support to family in case of death of an employee in on a humanitarian ground. The university has also set up an MSUB Welfare Fund through staff association, the interest of which is distributed amongst staff, mainly for education purpose. Tuition fee waiver is available for the wards of non-teaching staff from other fund. The university reimburses cent percent education fees to certain category of staff of the university from its own corpus. It has created up to 10 percent super numeric seats admission quota for employees in other than professional courses. The most significant welfare activity and provisions is that of mostly free of cost medical facility for staff and their dependents in service and after retirement. It caters to around 50,000+ student staff and their family members by providing facilities viz., Pathology and medical/para medical and diagnostic services of specialist doctors.

It regularly organizes health camps for specific tests either at nominal charges or free of cost. The sports facilities available at the union pavilion are available for the staff members and their departments either with a token charge or totally free of cost. There exists a staff sports club as well. One of the teachers' organizations organize summer camp for the children of teaching and non-teaching staff.

File Description	Document
Any additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.

Response: 8.15

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
57	45	91	63	107

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)	View Document
Link for Additional Information	View Document

Other Upload Files	
1	View Document

6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.**Response:** 59.4**6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
41	52	60	89	55

File Description	Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View Document
Any additional information	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).**Response:** 12.99

6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
130	184	121	95	57

File Description	Document
IQAC report summary	View Document
Details of teachers attending professional development Programmes during the last five years (Data Template)	View Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

MSUB being a State Government university, the major source of receipts is Grants disbursed from the State Government of Gujarat (GOG), and 90 percent of these block grants are being utilized in making payment of Salaries, Pension, LTC, Leave Encashment, Bonus and Travelling Allowance whereas remaining grants are utilized for Purchase of Books, Sports, Contingencies and Bonus and Travelling Allowance, Ordinary and Dead Stock Repairs and for maintenance of campuses. The GOG separately provides Grants under head Physical infrastructure for Construction, Renovation and Maintenance of campuses. The University receives financial support under different schemes from Central Governments and various other funding agencies for research viz., UGC, AICTE, CSIR, DST, DBT, DAE, ICMR, ICSSR, etc. The University has mobilized funds under CSR initiatives from corporate for construction of physical infrastructure viz., Building, Hostels, Amphitheater etc. The university has received intangible support and donations especially from Alumni and industry for construction of new buildings, for setting up and refurbishing of Laboratories, Classrooms, Purchase of Equipment, Furniture, etc. and to institute Gold-Medals, Scholarships, whereas Free ships especially for Girl students. The University has received total of Rs. 232 Crores for development and maintenance of physical infrastructure from GoG during 2016-2021. The RUSA Grants were received worth Rs. 20 Crores for Construction/Creation, Renovation/Upgradation and Procurement of Equipment, and Books, etc. The total donations received during Cycle sums up to Rs. 4.25 Crores. Each year university prepare revenue budget and budget for the Higher Payment Programme based on needs and proposed financial estimates of the ensuing financial year as submitted by Faculties/Colleges. The aforesaid budgets are also revised after six months. The consolidated budget and Annual accounts of the preceding financial year thereafter is put up in Financial and Establishment Committee, Syndicate and Senate for approval. Once the approval of the Senate is received the budget that is financial estimates and annual accounts are submitted to the Government of

Gujarat. Based on these approved financial estimates, the payment of bills is passed under various respective heads are also simultaneously recorded in books of accounts that are audited by AG of Gujarat and within the budget limit approved for the respective Financial year. The university has Audit department and all the bills have been passed for payment by the auditor of the university with due compliance of guidelines and procedural compliances of Government of Gujarat.

The university forms certain statutory purchase committees viz., Purchase, Building, Computer Experts etc. and its meetings are held on a monthly basis wherein each of the users are invited and appointed members reviews, discuss, evaluate and approves each of the proposals considering scope and functions of such committees the university. The majority of purchases are made online using Government E Market Place (GeM). The university has constituted Investment Committee which has decided policy and guidelines for judicious investment in nationalized banks and Government securities only. The university maintains its corpus and interest earned is utilized to support research build and upgrade infrastructural requirement, facilities and amenities for staff and students.

File Description	Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from government bodies during the last five years for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs).

Response: 19194.67

6.4.2.1 Total Funds / Grants received from government bodies for development and maintenance of infrastructure (not covered under Criteria III and V) year wise during the last five years (INR in Lakhs).

2020-21	2019-20	2018-19	2017-18	2016-17
1514.44	4323.74	3844.41	4227.40	5284.68

File Description	Document
Details of Funds / Grants received from government bodies during the last five years (Data Template)	View Document
Any additional information	View Document
Annual statements of accounts	View Document

6.4.3 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)

Response: 335.84

6.4.3.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
99.29	27.05	78.99	73.27	57.24

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Annual statements of accounts	View Document

6.4.4 Institution conducts internal and external financial audits regularly

Response:

MSUB has established audit section that conducts Pre and Post- audit activities strictly as per the directives, guidelines and norms of the Government of Gujarat. All expenses are to be incurred by Disbursement Officers that is Deans/Principals of Faculties/Colleges as per the provisions of Ordinance 31 which enumerates the financial powers of the authorities as per the MSUB Act,1949. The audit department scrutinizes all invoices submitted by Faculties/Colleges/Institutes as per norms within the limits of budgetary provisions and afterwards forward it to the accounts section that mostly make online payment. The various payments include viz., bills of salary, retirement benefits, expenses related to capital and development and other expenses. The bills are audited after procurement also for clearance of payment. Any discrepancy is immediately addressed by way of recovery or corrective measures. Most of the procurement is done through Government e-Marketplace, with due adherence of norms and compliances only with prior permission of the audit section. Audit section is responsible for scrutiny of each of the purchase proposals and adherence of due compliances and submission of replies of Audit Paras, if any of AG and Government of Gujarat. MSUB constitutes Purchase, Building and Planning, Computer Expert and Library Committee, etc. to deal with all kind of proposals related to procurement and thereafter its minutes are placed for consideration of approval by the Financial and Establishment and ultimately to Syndicate after which only purchase order is issued by the university. The MSUB also appoints panel of independent firms of professional Chartered Accountants over and above pre and post audit activities of the audit section. The audit section is responsible for scrutiny of each of the procurement proposals and due adherence and compliances and submission of replies of Audit Paras, if any of external audits of AG and local fund audit by the local fund of Government of Gujarat. Very few audit paras have been received in the last few years and these have been also resolved satisfactorily. The post-audit is done by the audit department and in form of external audit by the Panel of Chartered Accountants. It includes Verification and Examination of each of the Accounting Transactions, Vouchers Accounting Records and Books of Accounts, audit of Payments vis-à-vis-budgetary provisions, surprise checking of cash balance, deadstock register, service book entries, leave balance, and reconciliation of accounts with the accounts of the university and statement of affairs. Each Faculty/College constitutes 'Faculty Development Committee' to plan priorities and utilization of available financial budget and financial resources. The university has a

statutory body “Board of Accounts” to look in accounting aspects of the university.

The financial receipts viz., fees, funds, donations, endowments, sponsorships, revenue from consultancy assignments as well as academic and research grants received from funding agencies and the interest earned therein are gathered in the accounts department are invested only in national securities by ‘Investment Committee’ for appropriate causes. Annual Accounts and Financial Estimates are presented in the annual meeting of the Senate for consideration and approval.

File Description	Document
Link for Additional Information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.

Response:

IQAC of MSUB has institutionalized quality assurance strategies and processes in the university by collection of data and information to continually review performance of its quality enhancement initiatives viz., to integrate teaching-learning, research, extension and consultancy opportunities, assessment of credibility of evaluation procedures, and ensuring adequacy of funds allocation for support structure and services. Based on feedback received from the stakeholders, IQAC has organised Workshops/Seminars/Conferences/ FDPs/QIPs to inculcate and internalise the quality parameters and best practices. All the decisions of the IQAC are placed before the statutory bodies. IQAC has ensured setting up of Faculty/College and or Department level IQAC in the university.

IQAC of MSUB has institutionalized following two best practices.

1: Curriculum Design Development and Enrichment:

The MSUB being MERU offers and updates academic programmes and certificate, value-added, skill-based courses based on input of experts drawn from academia, alumni, industry, and policymakers. The review of teaching-learning process and their outcomes for significant academic updates and quality enhancements are undertaken through Board of Studies, Faculty Boards and PG Council of Research and Studies. IQAC has devised a proforma to map the pedagogical qualitative aspects and parameters of the curriculum for most of its academic program by relating it with levels of Blooms taxonomy as well as POs, PSOs and CSOs that are mapped considering requirement of skill development, fulfillment of global needs and other cross-cutting issues and attributes of the syllabus. The IQAC has organized several workshops, orientation and awareness programs to sensitize teachers on POs, PSOs and CSOs. and on NAAC Accreditation under RAF.

2: Teaching-Learning Process:

MSUB has adopted a multi-strategy model using experiential, collaborative and participative learning and Problem-solving methodologies to improve the overall teaching and learning experience of students. Interests and skills of the students are incorporated in the teaching-learning process consisting of Assessment, Planning, Implementation, and Evaluation. Research is an integral part of learning. The MSUB has Wi-Fi enabled campus. It uses blended teaching-learning and ID based secured Wi-Fi facility is provided to students. Microsoft Teams is used to form virtual class, maintain attendance online teaching and to upload PPTs study material and assignments. It is also used for online quizzes, simulations and Animations. The online interactions include research paper presentations, seminars, debates, group discussions, tests/viva etc. The ICT Tools are used for PPTS, Video Tutorials, Online Courses, and Smart Board.

e-learning tools like Moodle, ICT courses falling under MOE, MOOC, ARPIT, E-PG Pathshala, NPTEL, Virtual Labs, Spoken Tutorial, CEC, E-Yantra, Digital Library Inlibnet etc. are also used, The teachers have developed modules for virtual labs and e-content using digital platforms viz., MOOC, e-PG Pathshala, SWAYAM, CEC, NMEICT, NPTEL etc. Many teachers conduct MOOC courses on SWAYAM through CEC. They make use of open source software and virtual platforms viz., ZOOM, Google Meet, WebEx for ensuring effective teaching, learning, assessment and monitoring of students' progress for the teaching and examination activities. IQAC has put substantial efforts in coordinating MOODLE by assigning a coordinator per department and arranging several training sessions.

File Description	Document
Link for Additional Information	View Document

6.5.2 Institution has adopted the following for Quality assurance 1. Academic Administrative Audit (AAA) and follow up action taken 2.Confernces, Seminars, Workshops on quality conducted 3. Collaborative quality initiatives with other institution(s) 4.Orientation programme on quality issues for teachers and students 5. Participation in NIRF 6.Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA).

Response: A. Any 5 or more of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution (Data Template)	View Document
Any additional information	View Document
Paste web link of Annual reports of University	View Document

6.5.3 Incremental improvements made for the preceding five years with regard to quality (in case of first cycle), Post accreditation quality initiatives (second and subsequent cycles).

Response:

Through painstaking effort of TEAM MSUB and IQAC, MSUB has put continual efforts for achieving excellence in Academic, Research, Extension, Governance, Leadership, Physical and ICT Infrastructural improvement with strategic focus on Access, Expansion, Equity and Inclusion in implementation of the NEP:2020. The IQAC has led preparation of strategic perspective plan of MSUB to strengthen eco-system for Startup, Innovation, Capacity Building, Collaborations, Gender Equity, and Environmental Sustainability to ensure holistic growth of students. After Re-Accreditation with 'A' Grade from NAAC (CGPA 3.16: Cycle 3: 2016), MSUB has been consistently ranked under World Times Higher Education Ranking and QS Ranking (QS Asian and BRICS) till 2020. MSUB had secured 90th Rank in 2021. It was recognized as 'Best University' to win 03 Awards from '05' Categories from Government of Gujarat viz., Students' Performance in NET and GSLET, Performance in NAAC and Research and Consultancy. The GER of university has increased by 18% from total number of 36,884 (2016-17) to 43,278 students (2020-21), and figure of research scholars has reached from 850 (2016-17) to 1100 (2020-21). IQAC has strengthen adoption of CBCS and Electives/Specialization. IQAC has systematically identified, determined and mapped attainments of POs, PSOs and Cos. It has adopted various examination reforms ensuring use of Bloom's Taxonomy to identify and improve Slow Learners and also incentivize Advanced Learners. IQAC has coordinated efforts for introducing 14 innovative academic Programmes and 396 Value-Added Courses. 90 percent of more than 300 academic programmes have been modified/revised. MSUB has established 04 institutes viz., Institute of Leadership and Governance (ILG), Institute of Interdisciplinary Studies, Bharat Ratna Atal Bihari Vajpayee Institute of Policy Research and International Studies, and Institute of Climate Change Research. MSUB has set up MSISEC to support startups, innovations, incubation which is recommended now as Section 8 Company. Other centres include Internship, Mentorship and Apprenticeship, Capacity Building, Corporate Training, HRD Cell, Career Counselling, Training and Placement, and Publication Ethics. IQAC has taken lead in setting up offices viz., Career Advancement for Students, International Affairs, Corporate Affairs, Alumni Affairs and Donors Relations. IQAC has influenced provisioning for 'Academic Development Fund' to implement research incentivization schemes to encourage high-quality research publications/citations and filing of Patents and Copyrights. It has encouraged carrying of 1378 consultancy projects of 847 clients that had generated revenue of Rs. 503 lakhs from 2016 to 2021.

IQAC is responsible for formulation of policies viz., Research, Consultancy, Academic Integrity, Gender Equality, Code of Conduct and Ethics, Maintenance, Green, e-Governance, ICT, e-Waste etc. and conduct of audits viz., Gender, Water, Environment, Green, Energy and AAA. IQAC has executed e-Governance initiatives viz., Wi-Fi-Enabled Campus, MSUBIS, DU Framework, WFMS, Online Recruitment, Admissions, Engagement, MEP, and Ph.D. Framework. Its ICT initiatives include use of Moodle Platform under LMS, Virtual Laboratory, Webinars/FDPs and preparation of AQAR, ARMS for NAAC /NIRF. IQAC has carried out Students' Satisfaction Survey and online feedback from students and others. It has ensured entering of 178 National and International MOUs. It has also ensured significant enhancement in physical and sports infrastructure.

File Description	Document
Link for Additional Information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

Gender equity refers to fairness of treatment for women and men which is imbedded in the vision and mission of MSUB. H.H. Maharaja Sayajirao (1875 – 1939) had made Girl's Education compulsory in the erstwhile Baroda State. Smt. Mrunalidevi Power contributed as Chancellor (1988-2014) and Smt. Rajmata Shubhangini Raje Gaekwad has been currently appointed as Chancellor of MSUB in 2015. Smt. Hansa Mehta served as the first Vice Chancellor of MSUB (1949-1958). The MSUB has a strong ethical work culture, based on inclusivity. Majority of the committees constituted at University/Faculty level comprises of membership of females with their active participation. Women occupy more than one third of the positions of Dean of Faculties and Principal of Colleges. The Post of Vice-President of the university election is exclusively reserved for Girl student. Overall, the total number of Girls' students is more than 52% in NAAC cycle-4. Girl students have been consistently bagging more gold medals. The university has established Anti-Ragging Committees, UGC's Women's Studies Research Center (WSRC), Women's Grievance and Redressal Cell (WGRC) along with Non-Discrimination Policy to focus on gender sensitivity. Academic curriculum includes Courses and topics viz, a Certificate Course on "Women's Studies: Interdisciplinary Perspectives" and "Gender and Media" as well as 02 Credit Course on Social Work Practices. Sessions, Discussions and Workshops on varied gender-related topics are organized viz., 'Revitalizing Dalit Feminism Towards Reflexive, 'Is Feminism about 'Women'?', 'Empowering Women for Entrepreneurship', 'Gender Champions', and 'Politics of Embodiment' etc. Separate NCC Wing encourages Girl Students with a nomination of Women Teacher as an in charge of it. Self-Defense Camps/Programmes are organized for female students and staff. The number of Government helpline "Abhayam" and Anti- Ragging guidelines are displayed at prominent places.

Safety and Security:

MSUB has appointed Security and Vigilance Officer supported with Gents and Mahila Vigilance Squads. The Security Committee does needful for assignment of security contracts to security agencies to safeguards campuses of the university. The university appoints lady Superintendents/Wardens in Girls' Hostels. The Girl's Hostel Campus, Head Office and few other campuses are fully backed up by CCTV Surveillance. The university organizes awareness Campaigns/ Workshops for developing awareness and adherence of Anti-Ragging Rules, Women Safety and Gender Sensitivity issues.

Counseling:

A Counseling Centre named "Marg" functional in the university health center and psychological counseling is being provided to students and staff by the teachers of Faculty of Education and psychology. There is a culture and practice of informal as well as formal Counseling, Guidance, and Mentorship of students by teachers and Dean of Students.

Common Rooms:

Adequate number of Common Rooms and Washrooms for Girl's and Boys have been provided in the various buildings of the university. The Girl's Common Room and Washrooms carry facilities of Sanitary Napkin Vending Machine, Incinerator, furniture and other security facilities.

Day Care Center:

The Faculty of Family and Community Sciences is equipped with a Day Care Centre. A crèche is also planned at university Head Office to take care of kids/infants.

File Description	Document
Specific facilities provided for women in terms of: a.Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Annual gender sensitization action plan	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

- 1.Solar energy**
- 2.Biogas plant**
- 3.Wheeling to the Grid**
- 4.Sensor-based energy conservation**
- 5.Use of LED bulbs/ power efficient equipment**

Response: A. 4 or All of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

MSUB has framed “Green University Policy” for developing eco-friendly campuses, increasing use of solar energy, plant more trees, conserving water and has framed policies and setup a system to collect and dispose solid, liquid, bio-medical degradable and non-degradable waste. It has undertaken Environment/Green, Energy and Water Audit. It has approved separate policy and operational committees for the disposal of dead stock and e-Waste of university. The colour-coded dustbins are used to collect dry and wet waste.

Solid Waste Management

Compost Beds and Pits are used to turn foliage waste into manure created in the campus and in the Botanical Garden. The vermi wash liquid, is used as manure with the help of Vermi-Composting, a decomposition process of dry leaves that uses earthworms to produce compost. The university follows a practice of salvaging the befitting building materials for reuse, construction debris or for backfilling and Waste materials viz., plastic, papers, wooden, metal scrap items, etc., are disposed of by the university as per codal procedures.

Liquid Waste Management:

All toilets and washrooms in the campus are connected to the municipal drainage system. Residual liquid waste from the hostel mess has been put to good use by developing garden and landscape. The wastewater from drinking Water RO System is also utilized for gardening at some places. The rainwater harvesting facility is created in majority of the buildings of the university. Facility of Sanitary Napkins Dispensers and Incinerators to dispose sanitary napkins are made available in Girls’/Ladies Washrooms. Most of the washrooms have been provided with incinerators for the disposal of sanitary waste.

Bio-Medical Waste Management:

The Health Centre adheres to the norms of disposal of biomedical waste as laid down by the Indian Medical Association. It is enrolled with Quantum Environment Engineers, which has a common biomedical waste treatment facility for disposal of this waste.

e-Waste Management:

There is a well-defined e-waste disposal policy of the university. TFT monitors have been replaced by energy efficient LED monitors. University Mobile App. has drastically reduced the use of conventional electronic systems.

Waste Recycling System:

Waste water lines relate to the main drainage system and its recycling is undertaken by the VMSS. Food, Paper and Cloth Waste is recycled, upcycled and reused on a routine basis to reduce carbon footprint. Food Waste generated in the food laboratories is recycled with the help of a Composter. Composter, installed in the food laboratory converts the food waste into manure. The compost pit is kept moist for proper growth of microorganisms that further break down the organic waste into manure when a suitable temperature is created for the growth of bacteria. The staff is encouraged to reuse printed waste paper.

Hazardous Chemicals And Radioactive Waste Management

Hazardous chemical waste is collected in a big carboy and it is neutralized with lime and sent to a common effluent treatment facility for further safe disposal. Hazardous solvents are properly distilled in the rotavapor and reused to reduce the environmental hazard caused by discharging such solvents.

File Description	Document
Relevant documents like agreements/MoUs with Government and other approved agencies	View Document
Geotagged photographs of the facilities	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

Response: Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any

awards received for such green campus initiatives:

- 1.Green audit
- 2.Energy audit
- 3.Environment audit
- 4.Clean and green campus recognitions / awards
- 5.Beyond the campus environmental promotion activities

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Certificates of the awards received	View Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

- 1.Built environment with ramps/lifts for easy access to classrooms.
- 2.Divyangjan friendly washrooms
- 3.Signage including tactile path, lights, display boards and signposts
- 4.Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
- 5.Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Details of the Software procured for providing the assistance	View Document
Any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

MSUB sensitizes students and staff towards cultural, regional, linguistic communal and socio-economic diversities. It has students' enrolment across India and International Students from 37 countries (ICSSR/Self-funded). It appreciates their entry irrespective of gender, race, religion, caste, ethnicity, community and socio-economic background. It adheres Policies and Government Gazette Notifications for students' admissions and Recruitment of staff. Special seats are reserved for students of JandK and Tibet. The MSUB offers financial assistance to students of economically weaker sections through Directorate of Students' Welfare. It takes special care of Divyangjan by providing specific services/facilities to them. It respects and value attributes of tolerance harmony and considering dress, food, habits, customs, caste, dialects, religion, and culture. It offers diverse courses viz., Forms of Indian Classical Art, Music, Dance, Drama, Art and History, Archaeology and Ancient History, Painting, Museology, Sculpture, Graphic Arts and Design, Applied Arts, Social Work, Family and Community Resource Management, Extension and Communication, Political Leadership and Governance etc. The curriculum includes topics/areas viz., Gender Sensitivity, Multi-Culturalism, Law, Plurality, Inclusivity, Mutual Respect, and understanding different cultures. It organizes Conferences/Seminars/Workshops, Guidance and Counselling Sessions, Motivational Talks, Remedial Teaching, Projects, Assignments, Debates/Elocutions to cater personalized needs of students. It teaches languages viz., Sanskrit, Gujarati, Sindhi, Marathi, Urdu, Arabic, Persian, Hindi, French, German, Russian and English. The MSUB celebrates Commemorative Days, Republic / Independent Day, Birth / Death Anniversaries, Youth Festivals, Sports Events, Fresher's and Farewell etc. It celebrates Gandhi Jayanti, Yoga day, Women's Day, International Matrubhasha Day, International Human Rights Day, International Justice Day, Constitution Day etc. It celebrates festivals viz., Guru Purnima, Vasant Panchami, Holi, Janmashtami, Navratri, Dussehra, Diwali, Diwali, Kite Flying, Onam, Christmas, Eid, Pongal, Gudi Padwa etc. It has joined national initiatives viz., Young India, New India, Resurgent India: From Sankalpana to Siddhi, Celebrating One Year of NEP 2020 etc. The teaching and evaluation is transparent and non-discriminatory. Anti-ragging policy is strictly adhered and Students Grievance and Women Grievance Redressal Cells resolves grievances of students and staff. UGC's Equal Opportunity Cell implement policies and conduct programmes for disadvantaged groups to enhance diversity.

Its activities include prevention of discrimination, remedial coaching, guidance, counselling, awareness building and sensitization programmes for students. The MSUB has established Jammu Kashmir, North East and Tibetan Cultural Centres, Center of Canadian Studies, UGC's Population Research Center and Centre of Lifelong Learning and Extension to conduct extension activities. It organizes events viz., Prerna for Divyangjan, Xplore MSUB – A Heritage Walk, Gujarat Thinkers' Meet, We are Proud of You, Sayaji Literature Festival etc. The youth summits 'Yugaantar' were organized on India's Contribution to the World (2018), Nation - From Controversies to Clarity (2019), and Unity in Diversity(2020) to recognize contributions made towards inclusive and better living. Yugaantar Awards are conferred to UNSUNG HEROES from different walks of life. Law Faculty organizes Lux-Et-Veritas to promote diversities and an international conference on inclusive education was organized by faculty of Education and Psychology. Faculties/Colleges have adopted strategies to make heterogeneous (religion and socio-economic) students' group to maintain harmony.

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document
Any other relevant information	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

MSUB encourages students and teachers to actively engage in academic programmes, activities/ events related to constitutional obligations: values, rights, duties and responsibilities of citizens. The MSUB has established Institute of Leadership and Governance (ILG) to focus on training, trans-disciplinary studies and research related to leadership, and good governance structures in 2016. ILG offers a Diploma in Political Leadership and Governance and has formed Constitution Club and Gujarat Thinkers Forum. The MSUB has established 02 Centres under ILG viz., Centre for Indic Studies (SINDHU), and Centre for Theological studies (SADBHAAVNA). It offers short term certificate courses on viz., Bhagwad Geeta, Learning from Mahabharata and Ramayana, Panchatantra, Kautiliya Arthshastra, Sayajirao Gaekwad, Asardar Sardar, Veer Savarkar, etc. The Certificate Course in Bhagwad Geeta explore its relevance in the 21st Century. Its earlier were themed on “Geeta-An Answer to the Challenges of the Millennium” (2016), “Ethics in Governance: Crisis in Relationships” (2017), “Crisis in People Management”(2018), “Lessons of Happiness and Peace”(2019). ILG had organized three National Youth Summits on Youth championing, Indian Globalization and Digitalization, and Transformative Constitutionalism. ILG organizes YUVA Samvaad, to sensitize youth on its role in nation building. ‘Kalam Youth Conclave’ has been organized to promote the ideology, philosophy and simplicity of thoughts of Dr. A P J Kalam. ILG celebrates Commemorative Days, organizes Seminars, Workshops Mock Parliamentary Debates, Panel Discussions, Guest Lectures, Expert Talks and Quizzes on various aspects of the Indian Constitution. It had organized Saheed Katha, Tiranga Yatra and screenings of Shyam Benegal's tele-series "Samvidhan". ILG celebrated 70th year of the Indian Constitution by organizing panel discussion and lectures on ‘Constitution at 70: Revisiting its Creation and Legacy’, and also national seminar on Electoral Reforms in India, and Legal Awareness Programme for Laws related to Women. The MSUB organizes practical sessions, and debates on viz., Indian Constitution, National Identities, Human Rights, Rights of Women, Children, Dalit’s, Disabled and Senior Citizens, Social Policy, Justice, and Welfare.

The university celebrates constitutional day through fieldwork agencies and linkages with villages, slum communities, urban communities, and tribal areas. The university celebrates each year Constitution Day (26th Nov), Teachers’ Day (5th Sept), National Voters Day (25th January), World Yoga Day (21st June), World Environment Day (5th June), Matru Bhasha Divas (21 February), and International Women’s Day (8th March) etc. The university organizes curricular and co-curricular activities on viz., Indian Values, Leadership, Virtues and Character Strengthening, Organisational Citizenship Behaviour, Rights of Women, Children, Aged People, and Immigrants, Lifestyles and Behaviour, Health Issues relating to Children, Women and Elderly, Dignity of Life, Peace, Harmony, Diversity in Religion, Ethnicity, Culture and Gender, Mental Health etc. The students join the National Cadet Corps and National Service Scheme to transform themselves as patriotic citizens to shape their characters through community services. The university persuade students and staff to switch off lights, conserve water, energy and maintain cleanliness,

and follow parking guidelines etc. The MSUB through ILG has put substantial efforts to sensitize students and staff on constitution obligations to imbibe values, rights, duties and responsibilities of citizens.

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

MSUB celebrates commemorative days viz., Establishment Day of University, Birth Anniversary and Day of Coronation of Maharaja Sayajirao and various such other events and festivals. It includes celebration of viz., Mahatma Gandhi, Sardar Patel and Ambedkar Jayanti, Independence Day, Republic Day, Constitution Day, International Justice Day, Engineer's Day, National Technology Day, Computer Day, World Pharmacist Day, National Handloom Day,, Human Rights Day, Child Right's Day, Women's Day, World Water Day, Earth Day, World Sparrow Day, World Mental Health Day, World Diabetes Day, World Immunology Day and World Food Safety Day, etc. To inculcate social responsibilities and human values among students, the university also celebrates viz., National Voter's Day (25th January), Matru Bhasha Divas (21st February), International Women's Day (8th March), World Environment Day (5th June), World Yoga Day (21st June), Teacher's Day (5th September), National Mathematics Day (22nd December), and National Statistics Day (29th June) and also celebration of National Youth Week, Nutrition Week, Sports Week, World Heritage Week, and National Nutrition Month etc. The Faculty of Performing Arts celebrates World Music Day, World Theatre Day and World Dance Day as well as Ustad Fayyaz Khan's Birth Anniversary as Dev Gandharva Day- Prem Piya Festival, Anniversary of Prof. Maula Bux, tribute to Tabla Maestro Prof. Sudhir Kumar Saxena, Pandit Bhatkhande Jayanti, C.C. Mehta, and, Maestros Pt. Bhimsen Joshi Sabhavadan, Pt. Ravi Shankar and other legendary artists. The Department Political Science, Faculty of Arts organized a notable event 'Gandhi: Today and Beyond' to mark the 150th

Birth Anniversary of Mahatma Gandhiji. Department of Architecture celebrates “Reflection by organizing Exhibitions on Design. Faculty of Science celebrates Wild Life Week by organizing Debate, Essay Writing, Presentation, Wildlife Rangoli and Painting etc. It organizes Science Fair by displaying Original Specimens/Models/Posters/Experiments for school students and citizens of Vadodara city. It celebrates Birth Anniversary of late Professor Prasanta Chandra Mahala Nobis as well as celebrates Botany and Geo Fests. The students of the MSUB of various faculties/College organize Events viz., Prerna, Paramarsh, Footprints, BBA Baazigar, Cyberia, Yuvaantas, Techkshetra etc. They play an important role in celebrating Guru-Purnima, Holi, Janmashtami, Navratri, Deepawali, Uttarayan, Id, Onam, etc., to deliver universal human experiences such as love, brotherhoods, joy, reverence, success and sacrifice. The university organizes visits to Aurobindo Ashram, Vivekananda Kendra and heritage walks to explore MSUB within campuses of MSUB for students and Barodians to strengthen their roots with university. The university provides all available infrastructural facilities/amenities viz., class rooms, seminar halls, theatres and auditoriums etc., to students to organize academic, literary, musical, sports as well as co-curricular, cultural and extension activities. Youth festival and faculty level programmes are also organized for which funds support and guidance is being provided to students from Dean of Students and other staff of the university. The students of the university and hostilities also organize participate in various events within and outside the university at the State and national levels. The university acknowledges their endeavors and takes pride for them.

File Description	Document
Geotagged photographs of some of the events	View Document
Any other relevant information	View Document
Annual report of the celebrations and commemorative events for the last five years	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Best Practice 1:

1. Title of the Practice

MSUB Integrated System (MSUIS) for Strengthening e-Governance Initiatives of MSUB

2. Objectives of the Practice:

The MSUB has already implemented several e-initiatives in NAAC Cycle-3. Now, university’s Computer Centre has indigenously developed MSUIS (Integrated Portal) as single data repository for data generation, quick access and generation and submission of numerous reports as required by Government, Ranking /Rating Agencies, Students, teachers, funding agencies, corporate, alumni, and other stakeholders to

improve operational efficiency resultant into strategic decision-making. Its multiple objectives include viz., to promote transparency, openness and customized Generation/submission/Retrieval /Archival of Data/ Reports by removing barriers of place and time to efficiently manage and govern academic and administrative operations and ultimately enhance e-Governance practices of the university.

3. The Context:

The primary context is to encompass and integrate each of the aspects of student's life cycle, academics, administration, audit, governance and management practices considering diversity, wide range of disciplines, size and scale of operations and presence of large number of students and staff in the university is a challenging task. Integrating, accommodating these diversities of curriculum, teaching-learning, research, extension activities in the design and development of e-Systems has been a major challenge. MSUIS is aimed to integrate under single umbrella already implemented different e-Governance modules viz., Students' life Cycle, WFMS, MEP, WFMS, ARMS, Online Admissions/Teaching/ Engagement / Examinations/Results' declaration/ Recruitment/Accounts /Audit /Inventory/ NAAC-DVV and NIRF Data Collection Portals developed by Computer Centre and Department of Computer Science and Engineering. Provision of staff with winning their acceptance and adaptation of technology and innovative tools requires continual training, reskilling to ensure use of customized features of MSUIS is a complex task.

4. The Practice:

MSUIS is aimed to transform under 'Digital University Framework' for various functionalities with a special focus on academic operations of university. The MSUB has allocated budget of Rupees 304.60 Lakhs in its syndicate meeting held on 30th June, 2020 for indigenously developing its MSUB Information System [MSUIS] for enabling it is aimed at offering similar access to data for everyone as a part of its single digital network platform to connect all sources to ensure seamless uniform flow of data and information in all the nodes in the entire network. The entire campus is wi-fi enabled for students and staff. The major ICT initiatives of MSUB concerning Management includes viz., Students, Admissions, Examinations, Academics, Staff (Recruitment /Payroll), Library, Alumni, Accounts, Audit, and Inventory, etc. The students are provided unique 'Permanent Registration Number' for the life time under system of 'Student Life Cycle' through SMS on registered mobile number as well as e-mail, with their user ID and password for personalized e-Suvidha account which enables him/her to have online access and data retrieval concerning Student Admission Management viz., status, payment of fees, scholarship application, post admission information, assignment, examinations, declaration of result, alumni registration to conferment of Degree/Diploma. The records and credentials of teachers as well as requisite data and information of the departments, faculties and sections are collected through the Annual Report Management System which is immensely helps in provision of data for accreditation and ranking. The administrative process is carried out with the help of Workflow Management System. The MSUB has framed and implemented ICT Policy, e-Governance policy, and e-waste Policy for strengthening and integrating existing initiatives under MSUIS under a single umbrella of Enterprise Resource Planning Framework to facilitate and achieve multiple goals. The advent of the pandemic and its prevalence has raised several challenges and opportunities in continual implementation and integration of e-initiatives in MSUIS. Catering to the teaching-learning process, conducting online examinations of such a large number of students presented a nightmarish situation initially. The university has tied up with Microsoft Teams to meet this challenge. Today, that effort presents itself as a huge repository of learning material for the students. A Moodle platform has been also provided. The university remained proactive throughout the pandemic including the critical phases by hosting many online discourses on relevant subjects and issues. Thus, MSUIS aims to deliver rejuvenating experience to students and staff of the university.

5. Evidence of Success:

MSUIS has been indigenously developed and established by the Computer Centre and Department of Computer Science and Engineering to ensure control on data and privacy. It aims to integrate and augment different e-Systems/modules viz., Student, Faculty, Academics, Examinations, Library, Staff etc. with continual enhancement in its functionality and features. Students' life cycle takes care of the data from the entry of students to conferment of degree/diploma. Online admissions and eSuvidha mobile app. has helped to increase GER by 18% during 2016 to 2021. Online Admissions/Examinations/Ph.D. Framework/Engagement/Result Declaration Portals have helped students to continue studies, research, internships, and placement during Covid pandemics. MEP has effectively dealt with activities of examinations management. Online Recruitment Portal is useful in hassle free receipt of online applications till issuance of appointment order with interviews conducted in blended mode for staff of the university. WFMS enables online access and approval of office note with permanent and transparent record keeping and its retrieval. The Annual Report Management System integrates almost all parameters and metrics of University Annual Report, Annual Quality Assurance Report and NAAC framework making it easy for the IQAC team to collect, assimilate and for startup, internships, mentoring, and placement to students of the university.

6. Problems encountered, and resources required

The use of technology for governance and academic administration to realize vision and mission of MSUB through MSUIS has successfully dealt with problems of logistics and mobilization of financial resources. The staff, and students of the university have worked hard to accept, adapt and adopt various e-modules of MSUIS concerning viz., students, academic, examinations, staff, academic administration and governance. The establishment and maintenance of MSUIS requires formidable ICT infrastructure especially for storage of data, pathway for flow of information and above all maintenance of privacy and data security. The training of students and staff and sensitizing other stakeholders too is a big challenge. The scattered 12 campuses with staff of 2500+ and 43000+ students too raises challenge of resolving their queries require continual. maintenance, modification and upgradation of e-modules to persuade them for continual use of features and functionalities of MSUIS is the key problem handled effectively by the university.

Best Practice 2:

1. Title of the Practice:

MSUB's Initiatives and Development Plan for Implementation of National Education Policy (NEP):2020

2. Objectives of the Practice:

The NEP:2020 aims to fulfill aspirations of youth by providing them quality education to make India Vishwa Guru. MSUB being MERU impart Multidisciplinary, Professional, Value-Based, Lifelong Education following 'Satyam Shivam Sundaram'. MSUB strives for achieving excellence in academics and research through capable faculty and students. MSUB focusses upon Equity and Inclusion, Languages, Arts, Culture, and ICT for holistic growth and development of students. Its vision and mission centres around innovation, entrepreneurship and skill development of students by integrating Indian ancient

science and ethos reflective of its synergy with MSUB's initiatives and Action Plan vis-à-vis objectives of implementation of NEP 2020.

3. The Context:

NEP:2020 is a blueprint for self-reliant India. The IQAC and Core Committee has prepared 'Institutional Development Action Plan' (Short/Medium/Long Term) for implementation of NEP. The key initiatives implemented include Outcome-Based Education and Mapping of attainments for Academic Programmes, Adoption of a CBCS/Electives/Specialization, and offering of Interdisciplinary, Integrated, Academic Programmes and Certificate/Add-on/Value Added Courses with credit transfer as well as adoption of 'Academic Bank of Credit', Multiple Entry/Exit and Internationalization of Higher Education etc. MSUB has ingrained objectives and gradual implementation of NEP in its teaching-learning, research, extension, infrastructure, governance, and leadership aspects with support of students, staff and stakeholders. MSUB has established DSW to provide financial assistance to the economically weaker students. The challenges being faced by MSUB in implementation of NEP include mobilization of resources, prioritization, creating conducive learning environment, establishing students' support system, participation of teachers, other stakeholders and above all support of the State Government.

4. The Practice:

The MSUB has implemented various quality enhancement/sustenance initiatives based on NAAC:RAF and Peer Team Report (Cycle-3), and some of them has been now reflected and incorporated in NEP 2020. The key objective of Institutional Development Plan of MSUB for implementation of NEP is to integrate the process of education with real life situations and to sustain deep rooted social and national values of ancient India. It aims to inculcate human values, tolerance, compassion, and equanimity among students and staff. One of the most basic skills that the students need is communication and a language proficiency in English. The imparting of communication skills has been considered as an option under the CBCS scheme. The core subjects in the curriculum along with the electives provide a strong base and wide choice to the students, that encompasses technical and life skills to address the holistic and multidisciplinary aspects of student's life aimed at their holistic growth and development. The MSUB has adopted a multi-strategy model to advance the overall teaching and learning experience with Wi-Fi and other ICT facilities, extensive library resources, etc. meant for students to provide them an optimal learning environment. The MSUB offers studies in 08 Indian and 05 foreign languages. The research project is an integral part of experiential, collaborative and participative learning. The university enjoys substantial autonomy in curricular aspects, which percolates down to the faculties and departments. It organizes wide range of extension activities viz., NCC, NSS, ACC, Sports, Seminars, Workshops and Sessions on conventional and relevant topics to sensitize and develop awareness among students and other stakeholders. MSUB has entered research collaborations with national and international institutes/ universities. The MSUB focusses upon equity and inclusion having a strong ethical work culture and inclusivity. It offers scholarships and free ships to students. Mentoring and counselling of students by teachers has been a spontaneous and informal way of life in the campus. The university has deployed efforts to attract the best faculty and students by offering them incentives and support for academic, research, extension, and future career mobility. The research facilities and performance are strong enough for MSUB to become MERU. Most of the Post Graduate Students undertake project work and research-based internships. The implementation of interdisciplinary approach in MSUB is a logistical challenge, and needs time for sensitization, adaptability, acceptance, and integration with the stakeholders. Other constraints are availability of resources, infrastructure, and finance.

5. Evidence of Success:

Since December, 2016, the GER of MSUB has increased by 18% with 43000+ students including 800+ international students from 51 countries and number of research scholars as 1100. MSUB has established 04 Institutes viz., Interdisciplinary Studies and Research, Leadership and Governance, Policy Research and International Studies and Climate Change and Research. It has set up 09 Centers, 04 Cells/Offices for enhancing industry-academia collaborations, research, resource mobilization, Skills development, internships, and placement. MSUB offers more than 6700 Core, Interdisciplinary and Multidisciplinary Courses. It has introduced integrated academic programs and 396 value-added courses. It has conducted 4500+ cocurricular/extracurricular activities as reflected in NEP 2020. The achievements, awards and accolades won by the students and teachers stand as an evidence of fulfillment for implementation of NEP:2020. The MSUB's strong alumni base is a testimony of its success. The MSUB has disbursed more than Rs 5 Crores to 13000+ needy students from a source generated by itself. MSUB mobilized 370 sponsored research projects worth Rs 121 Crores. It has conducted More than 400 national and international research collaborations with 2000+ activities viz., Research Publications, Projects, Patents, Exchange Activities. MSUB has also conducted 24 Webinars on various aspects of implementation of NEP2020.

6. Problems encountered and resources required:

MSUB comprises of 14 Faculties offering education in Humanities, Science, Technology, Visual and Performing Arts offering Undergraduate and Postgraduate Academic Programs to 43000+ students pursuing more than 300 academic programs. The key challenge is to achieve synergy and integration in vocational, value-based, professional education in curriculum design, teaching-learning, research and evaluations which calls for coordinated but innovative approach. The key challenges encountered are viz., effective adoption of outcome-based education, implementation of Project and Research work especially at Undergraduate level, mobilization of Financial, Human, Technical, and ICT resources with continual involvement and engagement of teachers, students and other stakeholders. Implementation of NEP through action plan calls for collaborative approach, structural modifications, and financial support from State Government, alumni and funding agencies. The integration of interdisciplinary subjects under CBCS poses logistical challenges of allocation of time, classrooms, and laboratories. The MSUB has strategically planned and initiated gradual implementation of NEP with limited success.

File Description	Document
Best practices in the Institutional web site	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Student support and Financial Assistance to Economically Disadvantaged Students through Directorate of Students' Welfare (DSW)

The MSUB has equity and inclusion, as one of its priorities keeping major thrust upon student's welfare and strives to achieve these objectives by setting up a support system to inculcate human values, tolerance, compassion, and equanimity among students and staff to sustain deep rooted social and national values of ancient and conventional India. It has consistently put efforts to sustain an environment of academic excellence and innovative research to enable students and staff think globally to create an equitable society that ensures better quality of life for all.

One of the significant endeavours in this direction is the establishment of Directorate of Students' Welfare (DSW) in March 2013. A part of modified Ordinance 294 of the University Handbook, it makes provision for an 'Economically Disadvantaged Students Support Fund'. DSW is an innovative student-centric initiative primarily to provide financial assistance by way of Scholarships/Fee Waivers/Free ships to the economically weaker, regular and bonafide students of the university, who are not receiving any kind of scholarships from any other agency. Besides this, it is also considering scholarships to Divyangjan studying in the university. What makes DSW different and unique is that the fund for the scholarships is raised from the fees of students, which makes it an innovative concept. A part of the fee from each student is earmarked for the purpose. It has been successfully executed by the university over the last decade, which is commendable in view of the fact that it is a public-funded State University.

Since academic year 2012-2013, the DSW has paved the way for the university to disburse a stupendous amount of Rs. 6.7 Crore to 17515 students (9249 Boys and 8266 Girls). During the ongoing NAAC Cycle (2016-17 to 2020-21), the university has disbursed Rs. 50777941 to 13595 students. For Academic year 2020-21, the process was completely online due to Covid situation. Total 2925 students had done registration out of which 2621 applications were complete with the required documents. A total of Rupees 90,40,490 was disbursed to 2004 students (1181 Boys and 823 Girls) in the academic year. This includes 1662 students from the regular programmes and 342 from higher payment programmes. Those students who had lost their parents during Covid-19 pandemic were given 100 % assistance for academic year 2020-21. A total amount of Rs. 6,46,760 has been provided to 17 such students as special cases. Apart from regular students, the DSW also reimburses fees of to the wards of the temporary non-teaching staff (Class-IV) studying in Chetan Balwadi and Experimental School of the university. Rs 2,22,755 were disbursed to the wards of the temporary non-teaching staff (Class-IV) in 2020-2021. This is a major welfare measure for the staff members.

The modus operandi begins with online applications invited from students on MSUB website (<https://MSUBaroda.ac.in/dsw>). The students must have family income less than Rupees 3.5 lakhs per annum and they must have secured at least 55% marks in the previous year examination. These online applications are to be supported with documents like authenticated income certificate, Aadhar card, Bank Account details and Electricity bills. The DSW has a Core Committee and team of coordinators from each Faculty/College/Institution. The preliminary or first scrutiny is done at respective Faculty/College/Institution by the Faculty Committee constituted of Dean, Dean of Students, Dean of Sports and a senior teacher of the faculty. If necessary, the committee members visit the residence of students for verification. The Core Committee after verification of the credentials puts remarks and divides the applications into three categories namely for Recommended, Strongly recommended and Not recommended according to the need perception of the students. The recommended students are invited for personal interviews. Finally, the Directorate prepares and submits its report and recommendation for financial assistance for consideration of Syndicate. Deserving students are being supported by granting

even three times their fee amount. 50% of the sanctioned amount is transferred to the student's bank account at the beginning of the first semester and the remaining amount for the second semester is released to the student, only on keeping a minimum of 80% attendance. For each academic year the Core Committee plans, decides and implements the activities.

Apart from this, the office of the DSW also works for the welfare of student community in other ways, thus serving as a representative between students and the administration of the university. The Directorate of Students Welfare also plans and organizes co-curricular activities in the field of Sports, Culture, Literature, Moral Education, Placement and Counselling, etc. to ensure the welfare of the students' community. It guides and assists students to overcome their problems. It also strives for the observance and adherence to guidelines and Ordinance of the university by the students. It is also required to supervise the activities of students' union, to allow them to work in a democratic setup, to solve their genuine problems and to bridge the gap between the students and university. The Directorate operates through the office of the Deans of Students at the faculty level, a unique provision made by the University to look after the needs of students.

The Directorate of Students welfare, in compliance with these objectives has organized workshops and seminars on themes like Performance and Professional Skills, Examination issues, Leadership, Approach to Refining Memory, Preparation for Competitive Examinations, Building a Brand, Challenges and Opportunities in a Field of Performing Arts, Career Counselling in Armed /Paramilitary forces and Motivational issues.

The DSW is led by a Director as the Head of the Directorate, to be appointed by the Syndicate for three years which can be extended maximum for another three years. The Director is appointed on recommendation of the Standing Committee consisting of the Vice-Chancellor, the Pro-Vice chancellor, One Dean of Faculty, an Expert and a Syndicate member to be nominated by the Vice-Chancellor.

File Description	Document
Any other relevant information	View Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

For additional information for executive summary, please use the following link:

<https://naac.msubaroda.ac.in/NAAC2021/Extended%20Profile/AIES.pdf>

Concluding Remarks :

Ever since its inception, the MSUB has been striving to impart result-oriented quality education to positively influence the lives of people. In the quest of achieving excellence, it has implemented various innovative initiatives based on the recommendations offered by the NAAC Peer Team (Cycle-3) in 2016. The IQAC has institutionalized quality assurance strategies & processes based on the feedback of various stakeholders to inculcate and internalize the quality parameters and best practices of the university. The MSUB has adopted CBCS and offers Electives/Specialization. It periodically collects individual offline/online feedback using formal/informal mechanisms from Students and other stakeholders. It has established 10 Institutes, 28 Centres, 08 Cells & 10 Offices. Its Research and 'Consultancy Cell' & 'Institute of Interdisciplinary studies' extends support to research & consulting activities. MSUB has mobilized funds worth Rs. 121 Crores through 370 sponsored research projects, and 5.06 Crores from consultancy assignments. The MSUB campus is completely Wi-Fi-enabled & Divyangjan-friendly. It is having adequate Physical & IT infrastructural facilities/amenities. The Department of Physical Education has introduced an academic program at UG from 2021-22. The process of setting up an audio-visual studio is in the final phase. The MSUB has approved policies for viz., Research, Consultancy, Information Technology, e-Governance, e-Waste, Maintenance, Gender Equality, Green and Academic Integrity. MSUB had conducted Water Audit, Green and Environment Audit, Energy Audit, Gender Audit & AAA. It's Computer Centre has indigenously developed MSUIS to integrate different e-Governance modules under a single ERP framework. The MSUB has prepared a strategic plan for 'Implementation of the NEP: 2020' to achieve synergy in the vision & mission of MSUB with objectives of NEP2020.

To conclude,

"In every line of life, we are all students, some have to go to regular schools, others have to learn in their offices, some in failure and some in success. In every moment of our life, we are studying something, and it would be a great mistake for any individual to think that the life of the student is over when he has attained a certain age or a certain success in life."

-Excerpt From A Speech of Maharaja Sayajirao Gaekwad-III

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.2	<p>Percentage of Programmes where syllabus revision was carried out during the last five years.</p> <p>1.1.2.1. How many Programmes were revised out of total number of Programmes offered during the last five years Answer before DVV Verification : 219 Answer after DVV Verification: 219</p> <p>1.1.2.2. Number of all Programmes offered by the institution during the last five years. Answer before DVV Verification : 253</p>																				
1.1.3	<p>Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years</p> <p>1.1.3.1. Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>6099</td> <td>6035</td> <td>5994</td> <td>5974</td> <td>5889</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>3000</td> <td>3000</td> <td>3000</td> <td>3000</td> <td>3000</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	6099	6035	5994	5974	5889	2020-21	2019-20	2018-19	2017-18	2016-17	3000	3000	3000	3000	3000
2020-21	2019-20	2018-19	2017-18	2016-17																	
6099	6035	5994	5974	5889																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
3000	3000	3000	3000	3000																	
1.2.1	<p>Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</p> <p>1.2.1.1. How many new courses were introduced within the last five years. Answer before DVV Verification : 1443 Answer after DVV Verification: 1376</p> <p>1.2.1.2. Number of courses offered by the institution across all programmes during the last five years. Answer before DVV Verification : 6747</p>																				
1.2.2	<p>Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).</p> <p>1.2.2.1. Number of Programmes in which CBCS / Elective course system implemented. Answer before DVV Verification : 226 Answer after DVV Verification: 226</p>																				
1.3.2	<p>Number of value-added courses for imparting transferable and life skills offered during last five years.</p> <p>1.3.2.1. How many new value-added courses are added within the last five years.</p>																				

Answer before DVV Verification : 396

Answer after DVV Verification: 396

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

1.3.3.1. Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2211	3583	3439	3303	3795

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1211	2084	2439	2303	2815

1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).

1.3.4.1. Number of students undertaking field projects or research projects or internships.

Answer before DVV Verification : 6175

Answer after DVV Verification: 6175

1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from

1) Students, 2) Teachers, 3) Employers,

4) Alumni

Answer before DVV Verification : A. All 4 of the above

Answer After DVV Verification: A. All 4 of the above

1.4.2 Feedback processes of the institution may be classified as follows:

Answer before DVV Verification : A. Feedback collected, analysed and action taken and feedback available on website

Answer After DVV Verification: A. Feedback collected, analysed and action taken and feedback available on website

2.1.1 Demand Ratio (Average of last five years)

2.1.1.1. Number of seats available year wise during the last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
17430	18210	18148	18532	16738

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
17430	18210	18148	18532	16738

2.1.2 **Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the last five years**

(Excluding Supernumerary Seats)

2.1.2.1. **Number of actual students admitted from the reserved categories year wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
5575	5530	4907	4613	3321

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
5575	5530	4907	4613	3321

2.3.3 **Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)**

2.3.3.1. **Number of mentors**

Answer before DVV Verification : 1880

Answer after DVV Verification: 900

2.4.2 **Average percentage of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. year-wise during the last five years**

2.4.2.1. **Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
515	518	535	504	489

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
521	508	502	472	432

2.4.3 **Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)**

2.4.3.1. Total experience of full-time teachers

Answer before DVV Verification : 10986

Answer after DVV Verification: 10986

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the last five years**2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
50	58	68	52	49

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
26	27	18	16	19

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years**2.5.1.1. Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
38.27	42.29	37.47	35.94	37.79

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
38	42	37	35	37

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years**2.5.2.1. Number of complaints/grievances about evaluation year wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
55	303	840	841	934

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
55	303	589	607	691

2.5.4 **Status of automation of Examination division along with approved Examination Manual**

Answer before DVV Verification : 100% automation of entire division & implementation of Examination Management System (EMS)

Answer After DVV Verification: 100% automation of entire division & implementation of Examination Management System (EMS)

2.6.3 **Pass Percentage of students(Data for the latest completed academic year)**

2.6.3.1. Total number of final year students who passed the examination conducted by Institution.

Answer before DVV Verification : 12941

Answer after DVV Verification: 13135

2.6.3.2. **Total number of final year students who appeared for the examination conducted by the Institution.**

Answer before DVV Verification : 14209

3.1.2 **The institution provides seed money to its teachers for research (average per year, INR in Lakhs)**

3.1.2.1. **The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
56.00	0	19.75	0	28.80

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
56.00	0	19.75	0	28.80

3.1.3 **Percentage of teachers receiving national / international fellowship / financial support by various agencies for advanced studies / research during the last five years.**

3.1.3.1. **The number of teachers who received national / international fellowship / financial support by various agencies for advanced studies / research year-wise during the last five years.**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
4	24	33	23	20

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
3	11	14	18	18

3.1.4 **Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.**

3.1.4.1. **The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
389	282	243	193	184

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
389	282	243	193	184

3.1.5 **Institution has the following facilities to support research**

1. **Central Instrumentation Centre**
2. **Animal House/Green House**
3. **Museum**
4. **Media laboratory/Studios**
5. **Business Lab**
6. **Research/Statistical Databases**
7. **Mootcourt**
8. **Theatre**
9. **Art Gallery**
10. **Any other facility to support research**

Answer before DVV Verification : A. 4 or more of the above

Answer After DVV Verification: A. 4 or more of the above

3.1.6 **Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)**

3.1.6.1. **The Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by national and international agencies.**

Answer before DVV Verification : 51

Answer after DVV Verification: 45

3.2.1 **Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs).**

3.2.1.1. **Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs).**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
11.18	137.6	330.52	39.29	86.91

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
12.00	103.52	277.47	41.68	79.70

3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).

3.2.2.1. Total Grants for research projects sponsored by the government agencies year-wise during the last five years (INR in Lakhs).

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1913.45	698.40	1836.78	3648.90	1942.24

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
2270.56	690.61	1836.79	4048.90	1842.87

3.2.3 Number of research projects per teacher funded by government and non-government agencies during the last five years

3.2.3.1. Number of research projects funded by government and non-government agencies during the last five years.

Answer before DVV Verification : 371

Answer after DVV Verification: 369

3.2.3.2. Number of full time teachers worked in the institution year-wise during the last five years..

Answer before DVV Verification : 897

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.

3.3.2.1. Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year-wise during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
182	363	220	205	169

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
88	175	110	84	66

3.3.3 **Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.**

3.3.3.1. **Total number of awards / recognitions received for *research* / innovations won by institution / teachers / research scholars / students year-wise during the last five years.**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
64	108	78	83	72

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
20	20	20	20	20

Remark : DVV has updated this data because HEI has included maximum number of awards for paper presentation, appreciations etc. Participation / presentation certificates in workshops / conferences etc., are not to be considered here.

3.4.1 **The Institution ensures implementation of its stated Code of Ethics for research through the following:**

- 1. Inclusion of research ethics in the research methodology course work**
- 2. Presence of Ethics committee**
- 3. Plagiarism check through software**
- 4. Research Advisory Committee**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

3.4.2 **The institution provides incentives to teachers who receive state, national and international recognitions/awards**

- 1. Commendation and monetary incentive at a University function**
- 2. Commendation and medal at a University function**
- 3. Certificate of honor**
- 4. Announcement in the Newsletter / website**

Answer before DVV Verification : A.. All of the above

Answer After DVV Verification: A.. All of the above

3.4.3 Number of Patents published / awarded during the last five years.

3.4.3.1. Total number of Patents published / awarded year-wise during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
27	9	4	9	4

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
20	9	7	6	2

Remark : DVV has updated the data from the documents provided under clarification response DVV has excluded the patent published before 2016 and after 2020.

3.4.4 Number of Ph.D's awarded per teacher during the last five years.

3.4.4.1. How many Ph.D's are awarded within last five years.

Answer before DVV Verification : 553

Answer after DVV Verification: 520

3.4.4.2. Number of teachers recognized as guides during the last five years

Answer before DVV Verification : 308

Answer after DVV Verification: 308

Remark : DVV has included the data for the session 2021-22. DVV has updated the data after excluded the session 2021-22.

3.4.5 Number of research papers per teachers in the Journals notified on UGC website during the last five years

3.4.5.1. Number of research papers in the Journals notified on UGC website during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
967	870	998	1012	1023

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
400	400	400	400	400

Remark : The HEI has not provide the link landing to the paper/article, link to the journal website and any screenshots of research paper. DVV is not able to verify the data

3.4.6	<p>Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years</p> <p>3.4.6.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 389 1046 524"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>257</td> <td>268</td> <td>293</td> <td>266</td> <td>273</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 602 1046 736"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>243</td> <td>242</td> <td>269</td> <td>242</td> <td>257</td> </tr> </tbody> </table> <p>Remark : DVV has updated the data as per documents provided by the HEI, after excluding the data having without ISSN?ISBN number</p>	2020-21	2019-20	2018-19	2017-18	2016-17	257	268	293	266	273	2020-21	2019-20	2018-19	2017-18	2016-17	243	242	269	242	257
2020-21	2019-20	2018-19	2017-18	2016-17																	
257	268	293	266	273																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
243	242	269	242	257																	
3.4.7	<p>E-content is developed by teachers :</p> <ol style="list-style-type: none"> 1. For e-PG-Pathshala 2. For CEC (Under Graduate) 3. For SWAYAM 4. For other MOOCs platform 5. Any other Government Initiatives 6. For Institutional LMS <p>Answer before DVV Verification : A. Any 5 of the above Answer After DVV Verification: A. Any 5 of the above</p>																				
3.5.2	<p>Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).</p> <p>3.5.2.1. Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1576 1046 1711"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>244.29</td> <td>45.59</td> <td>121.14</td> <td>68.20</td> <td>62.43</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1789 1046 1924"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>244.29</td> <td>45.59</td> <td>121.14</td> <td>68.20</td> <td>62.43</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	244.29	45.59	121.14	68.20	62.43	2020-21	2019-20	2018-19	2017-18	2016-17	244.29	45.59	121.14	68.20	62.43
2020-21	2019-20	2018-19	2017-18	2016-17																	
244.29	45.59	121.14	68.20	62.43																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
244.29	45.59	121.14	68.20	62.43																	
3.6.2	<p>Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years</p>																				

3.6.2.1. Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
59	19	13	15	9

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
5	4	6	5	3

Remark : DVV has excluded the data after excluding the letter of appreciation and local awards.

3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**3.6.3.1. Number of extension and outreach programs conducted by the institution those through NSS/NCC, Government and Government recognised bodies during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
138	130	123	109	87

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
88	41	36	25	17

3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years**3.6.4.1. Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
14602	13388	14384	11894	11933

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
14620	13380	14380	11894	11933

Remark : Data updated as per initial value

3.7.2	<p>Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.</p> <p>3.7.2.1. Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research year-wise during the last five years.</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 472 1046 607"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>39</td> <td>25</td> <td>34</td> <td>36</td> <td>44</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 685 1046 819"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>38</td> <td>22</td> <td>22</td> <td>29</td> <td>33</td> </tr> </tbody> </table> <p>Remark : Data updated as per document provided by the HEI</p>	2020-21	2019-20	2018-19	2017-18	2016-17	39	25	34	36	44	2020-21	2019-20	2018-19	2017-18	2016-17	38	22	22	29	33
2020-21	2019-20	2018-19	2017-18	2016-17																	
39	25	34	36	44																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
38	22	22	29	33																	
4.1.4	<p>Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)</p> <p>4.1.4.1. Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1178 1046 1312"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>5702.01</td> <td>4666.39</td> <td>4666.58</td> <td>3465.50</td> <td>4653.56</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1391 1046 1525"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>5310.6</td> <td>4289.98</td> <td>4261.91</td> <td>3042.63</td> <td>4299.17</td> </tr> </tbody> </table> <p>Remark : Values have been changed as per attachment in 4.1.4 and 4.4.1</p>	2020-21	2019-20	2018-19	2017-18	2016-17	5702.01	4666.39	4666.58	3465.50	4653.56	2020-21	2019-20	2018-19	2017-18	2016-17	5310.6	4289.98	4261.91	3042.63	4299.17
2020-21	2019-20	2018-19	2017-18	2016-17																	
5702.01	4666.39	4666.58	3465.50	4653.56																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
5310.6	4289.98	4261.91	3042.63	4299.17																	
4.2.3	<p>Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)</p> <p>4.2.3.1. Annual expenditure for the purchase of books and journals including e-journals year-wise during last five years (INR in Lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1883 1046 2018"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>480.47</td> <td>500.48</td> <td>410.09</td> <td>343.35</td> <td>380.75</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	480.47	500.48	410.09	343.35	380.75										
2020-21	2019-20	2018-19	2017-18	2016-17																	
480.47	500.48	410.09	343.35	380.75																	

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
431.95	433.26	352.78	287.74	307.41

4.2.4 **Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year**

4.2.4.1. **Number of teachers and students using library per day over last one year**

Answer before DVV Verification : 12900

Answer after DVV Verification: 1246

4.3.1 **Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)**

4.3.1.1. **Number of classrooms and seminar halls with ICT facilities**

Answer before DVV Verification : 468

Answer after DVV Verification: 403

4.3.5 **Institution has the following Facilities for e-content development**

1. **Media centre**
2. **Audio visual centre**
3. **Lecture Capturing System(LCS)**
4. **Mixing equipments and softwares for editing**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

4.4.1 **Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years**

4.4.1.1. **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1533.39	1360.14	1739.50	1336.86	1812.65

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1826.95	1640.96	2041.91	1649.71	2030.11

5.1.1	<p>Average percentage of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).</p> <p>5.1.1.1. Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 551 1046 685"> <tr> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> <td>2017-18</td> <td>2016-17</td> </tr> <tr> <td>15513</td> <td>14335</td> <td>21866</td> <td>18129</td> <td>15963</td> </tr> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 763 1046 898"> <tr> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> <td>2017-18</td> <td>2016-17</td> </tr> <tr> <td>15513</td> <td>14335</td> <td>21866</td> <td>18129</td> <td>15963</td> </tr> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	15513	14335	21866	18129	15963	2020-21	2019-20	2018-19	2017-18	2016-17	15513	14335	21866	18129	15963
2020-21	2019-20	2018-19	2017-18	2016-17																	
15513	14335	21866	18129	15963																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
15513	14335	21866	18129	15963																	
5.1.2	<p>Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.</p> <p>5.1.2.1. Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1178 1046 1312"> <tr> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> <td>2017-18</td> <td>2016-17</td> </tr> <tr> <td>26743</td> <td>24656</td> <td>27755</td> <td>25080</td> <td>20956</td> </tr> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1391 1046 1525"> <tr> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> <td>2017-18</td> <td>2016-17</td> </tr> <tr> <td>9155</td> <td>15283</td> <td>15054</td> <td>13007</td> <td>14261</td> </tr> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	26743	24656	27755	25080	20956	2020-21	2019-20	2018-19	2017-18	2016-17	9155	15283	15054	13007	14261
2020-21	2019-20	2018-19	2017-18	2016-17																	
26743	24656	27755	25080	20956																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
9155	15283	15054	13007	14261																	
5.1.3	<p>Following Capacity development and skills enhancement activities are organised for improving students capability</p> <ol style="list-style-type: none"> 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology <p>Answer before DVV Verification : A. All of the above Answer After DVV Verification: A. All of the above</p>																				

5.1.4	<p>The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases</p> <ol style="list-style-type: none"> 1. Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees <p>Answer before DVV Verification : A. All of the above Answer After DVV Verification: A. All of the above</p>																				
5.2.3	<p>Percentage of student progression to higher education (previous graduating batch).</p> <p>5.2.3.1. Number of outgoing student progressing to higher education. Answer before DVV Verification : 6613 Answer after DVV Verification: 6613</p>																				
5.3.1	<p>Number of awards / medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) during the last five years.</p> <p>5.3.1.1. Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years. Answer before DVV Verification:</p> <table border="1" data-bbox="308 1111 1046 1240"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>26</td> <td>176</td> <td>204</td> <td>192</td> <td>99</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 1323 1046 1453"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>17</td> <td>86</td> <td>51</td> <td>82</td> <td>43</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	26	176	204	192	99	2020-21	2019-20	2018-19	2017-18	2016-17	17	86	51	82	43
2020-21	2019-20	2018-19	2017-18	2016-17																	
26	176	204	192	99																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
17	86	51	82	43																	
5.3.3	<p>Average number of sports and cultural events / competitions organised by the institution per year</p> <p>5.3.3.1. Number of sports and cultural events / competitions organised by the institution year - wise during the last five years. Answer before DVV Verification:</p> <table border="1" data-bbox="308 1733 1046 1863"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>33</td> <td>132</td> <td>128</td> <td>119</td> <td>121</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 1946 1046 2076"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>37</td> <td>24</td> <td>35</td> <td>18</td> <td>37</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	33	132	128	119	121	2020-21	2019-20	2018-19	2017-18	2016-17	37	24	35	18	37
2020-21	2019-20	2018-19	2017-18	2016-17																	
33	132	128	119	121																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
37	24	35	18	37																	

5.4.2	<p>Alumni contribution during the last five years (INR in Lakhs)</p> <p>Answer before DVV Verification : A. ? 100 Lakhs Answer After DVV Verification: A. ? 100 Lakhs</p>																				
6.3.2	<p>Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.</p> <p>6.3.2.1. Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 629 1046 763"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>57</td> <td>45</td> <td>91</td> <td>62</td> <td>107</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 842 1046 976"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>57</td> <td>45</td> <td>91</td> <td>63</td> <td>107</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	57	45	91	62	107	2020-21	2019-20	2018-19	2017-18	2016-17	57	45	91	63	107
2020-21	2019-20	2018-19	2017-18	2016-17																	
57	45	91	62	107																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
57	45	91	63	107																	
6.3.3	<p>Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.</p> <p>6.3.3.1. Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1294 1046 1429"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>56</td> <td>92</td> <td>60</td> <td>53</td> <td>44</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1507 1046 1641"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>41</td> <td>52</td> <td>60</td> <td>89</td> <td>55</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	56	92	60	53	44	2020-21	2019-20	2018-19	2017-18	2016-17	41	52	60	89	55
2020-21	2019-20	2018-19	2017-18	2016-17																	
56	92	60	53	44																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
41	52	60	89	55																	
6.3.4	<p>Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).</p> <p>6.3.4.1. Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 2000 1046 2089"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17															
2020-21	2019-20	2018-19	2017-18	2016-17																	

488	953	354	385	313
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Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
130	184	121	95	57

Remark : Data updated as per documents provided by the HEI (after considering the faculty only one time in the academic year and those FDPs having a duration less than 05 days are not considered)

6.4.2 Funds / Grants received from government bodies during the last five years for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs).

6.4.2.1. Total Funds / Grants received from government bodies for development and maintenance of infrastructure (not covered under Criteria III and V) year wise during the last five years (INR in Lakhs).

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2630.33	4323.74	3844.41	4227.40	5284.68

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1514.44	4323.74	3844.41	4227.40	5284.68

Remark : DVV has updated the data as per documents provided by the HEI

6.4.3 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)

6.4.3.1. Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
99.29	27.05	81.99	73.27	128.88

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
99.29	27.05	78.99	73.27	57.24

Remark : DVV has updated the data as per documents provided by the HEI

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation

	<p>measures</p> <ol style="list-style-type: none"> 1. Solar energy 2. Biogas plant 3. Wheeling to the Grid 4. Sensor-based energy conservation 5. Use of LED bulbs/ power efficient equipment <p>Answer before DVV Verification : A. 4 or All of the above Answer After DVV Verification: A. 4 or All of the above</p>
7.1.4	<p>Water conservation facilities available in the Institution:</p> <ol style="list-style-type: none"> 1. Rain water harvesting 2. Borewell /Open well recharge 3. Construction of tanks and bunds 4. Waste water recycling 5. Maintenance of water bodies and distribution system in the campus <p>Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: A. Any 4 or all of the above</p>
7.1.6	<p>Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions / awards 5. Beyond the campus environmental promotion activities <p>Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: A. Any 4 or all of the above</p>

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of programs offered year-wise for last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>253</td> <td>243</td> <td>241</td> <td>240</td> <td>236</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>253</td> <td>243</td> <td>241</td> <td>240</td> <td>236</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	253	243	241	240	236	2020-21	2019-20	2018-19	2017-18	2016-17	253	243	241	240	236
2020-21	2019-20	2018-19	2017-18	2016-17																	
253	243	241	240	236																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
253	243	241	240	236																	
1.2	<p>Number of departments offering academic programmes</p> <p>Answer before DVV Verification : 73</p>																				

Answer after DVV Verification : 73

2.1 Number of students year-wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
34961	34453	33407	31592	29633

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
34961	34453	33407	31592	29633

2.2 Number of outgoing / final year students year-wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
13135	12027	10221	9477	9173

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
13135	12027	10221	9477	9173

2.3 Number of students appeared in the University examination year-wise during the last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
91195	86593	77251	71749	66392

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
33461	31136	31128	29348	27542

2.4 Number of revaluation applications year-wise during the last 5 years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
55	303	840	841	934

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
55	302	589	607	691

3.1	<p>Number of courses in all programs year-wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="196 271 986 383"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>6747</td> <td>6672</td> <td>6630</td> <td>6610</td> <td>6525</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1" data-bbox="196 461 986 573"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>5725</td> <td>5661</td> <td>5622</td> <td>5603</td> <td>5521</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	6747	6672	6630	6610	6525	2020-21	2019-20	2018-19	2017-18	2016-17	5725	5661	5622	5603	5521
2020-21	2019-20	2018-19	2017-18	2016-17																	
6747	6672	6630	6610	6525																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
5725	5661	5622	5603	5521																	
3.2	<p>Number of full time teachers year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="196 734 986 846"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>939</td> <td>905</td> <td>919</td> <td>868</td> <td>853</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1" data-bbox="196 925 986 1037"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>939</td> <td>905</td> <td>919</td> <td>868</td> <td>853</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	939	905	919	868	853	2020-21	2019-20	2018-19	2017-18	2016-17	939	905	919	868	853
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2020-21	2019-20	2018-19	2017-18	2016-17																	
939	905	919	868	853																	
3.3	<p>Number of sanctioned posts year-wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="196 1205 986 1317"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>1120</td> <td>1120</td> <td>1104</td> <td>1104</td> <td>1104</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1" data-bbox="196 1395 986 1507"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>1120</td> <td>1120</td> <td>1104</td> <td>1104</td> <td>1104</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	1120	1120	1104	1104	1104	2020-21	2019-20	2018-19	2017-18	2016-17	1120	1120	1104	1104	1104
2020-21	2019-20	2018-19	2017-18	2016-17																	
1120	1120	1104	1104	1104																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
1120	1120	1104	1104	1104																	
4.1	<p>Number of eligible applications received for admissions to all the programs year-wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="196 1697 986 1809"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>66266</td> <td>64168</td> <td>73163</td> <td>74512</td> <td>79809</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1" data-bbox="196 1888 986 2000"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>66266</td> <td>64168</td> <td>73163</td> <td>74512</td> <td>79809</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	66266	64168	73163	74512	79809	2020-21	2019-20	2018-19	2017-18	2016-17	66266	64168	73163	74512	79809
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2020-21	2019-20	2018-19	2017-18	2016-17																	
66266	64168	73163	74512	79809																	
4.2	<p>Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during</p>																				

last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
8544	8923	8893	9081	8202

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
8544	8923	8893	9081	8202

4.3 Total number of classrooms and seminar halls

Answer before DVV Verification : 523

Answer after DVV Verification : 610

4.4 Total number of computers in the campus for academic purpose

Answer before DVV Verification : 20382

Answer after DVV Verification : 4929

4.5 Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
5856.16	4832.49	4858.60	3635.94	5033.54

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
7699	6728	7213	5991	8250