



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

Charotar University of Science and Technology

- Name of the Head of the institution **Dr. R V Upadhyay**
- Designation **Provost**
- Does the institution function from its own campus? **Yes**

- Phone no./Alternate phone no. **02697 265015**
- Mobile no **9427215242**
- Registered e-mail **Provost@charusat.ac.in**
- Alternate e-mail address
- City/Town **Charusat Campus, Changa, Anand**
- State/UT **Gujarat**
- Pin Code **388421**

2.Institutional status

- University **Private**
- Type of Institution **Co-education**
- Location **Rural**

- Name of the IQAC Co-ordinator/Director **Dr. Mayur Sutaria**
- Phone no./Alternate phone no **02697 265037**
- Mobile **9426371641**
- IQAC e-mail address **coordinator.iqac@charusat.ac.in**
- Alternate Email address **mayursutaria.iqac@charusat.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)) <https://charusat.ac.in/accreditation.php>

4.Whether Academic Calendar prepared during the year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://iqac.charusat.ac.in/>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.11	2016	25/05/2016	24/05/2021
Cycle 2	A+	3.26	2022	12/07/2022	11/07/2027

6.Date of Establishment of IQAC **19/04/2012**

7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Nil	Nil	Nil	Nil	Nil

8.Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC [View File](#)

9.No. of IQAC meetings held during the year **2**

- The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. **Yes**

(Please upload, minutes of meetings and action taken report)

- (Please upload, minutes of meetings and action taken report) [View File](#)

10. Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

- If yes, mention the amount

11. Significant contributions made by IQAC during the current year (maximum five bullets)

1. Academic and Administrative Audits (AAAs) of the constituent institutes/departments and allied cells/centers/departments. 2. Preparation, compilation, and submission of AQAR (2020-21) and submission of data for the 2nd cycle to the NAAC portal. 3. Improvising the existing e-governance system to develop a single point data capturing system, for streamlining the operations. 4. Documentation and facilitation of the procedure towards NIRF rankings, GSIRF (Gujarat State level) ratings, submitting action plan for Centre of Excellence (CoE Gujarat State level) status, and participation across various NEP-2020 related surveys from GoG/GoI 5. Imparting training for mapping COPO and assessment of attainment for the programs offered by the university, towards strengthening Outcome Based Education system.

12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
<p>Apply for NIRF ranking</p>	<ul style="list-style-type: none"> o NIRF 2022 data for university and institutes was submitted on 21st February 2022. o Ramanbhai Patel College of Pharmacy appeared in the ranking band of 101-125 in the pharmacy category. o CHARUSAT retained its position in the ranking band of 151-200 in NIRF India Ranking 2022.
<p>Academic and Administrative Audit (AAA) of constituent institutes and allied departments.</p>	<ul style="list-style-type: none"> o As per the revised guidelines, format of Academic and Administrative Audit is reviewed and revised. o The process is also aligned for capturing data through the e-Governance system
<p>Review, introspection and amendments of the existing policies required for the functioning of the University</p>	<ul style="list-style-type: none"> o University policies/ guidelines/ Standard Operating Procedures (SOPs) etc. are reviewed in IQAC meetings or close-group meeting with relevant in-charges and amended in line with the quality criteria suggested by NAAC as well as through self-assessment with reference to peers. The amendments are then notified.
<p>Preparation and submission of Annual Quality Assurance Report (AQAR)</p>	<ul style="list-style-type: none"> o AQAR for AY 2020-21 was submitted on 19 October 2022, as per directive of the NAAC.
<p>Regular communications across the University to create awareness regarding changing policies of important regulatory bodies in academics like UGC, AICTE etc. as well as accreditation bodies like NAAC, NIRF, GSIRF, as applicable.</p>	<ul style="list-style-type: none"> o General awareness has been created and the institutes and its stakeholders have been encouraged to plan their goals and mode of operation accordingly. o Previous year rankings/ratings and audit outputs were analyzed and communicated to respective institutes to enable self-

	assessment and goal statement with respect to the changing guidelines.
Development of CHARUSAT Strategic Plan	<ul style="list-style-type: none"> o Crafting of CHARUSAT Strategic Plan by the designated committee. o Review and monitoring by Advisors and Senior Administrative officers.
Enhancing curriculum by focusing on Outcome Based Education (OBE).	<ul style="list-style-type: none"> o The members of OBE committee have trained the representatives of various constituent institutes; resulted in refining/ evolving Programme Outcomes (POs) and Programme Educational Objectives of different programmes. The course outcomes (COs) are reviewed for all the courses and mapped with programme outcomes. o The attainment of COs and POs has been taken up by most of the institutes; moreover, remedial actions are also proposed by a few institutes to improve the PO attainment value. Currently, the focus of the committee is to encourage and train the faculty representatives in evolving pedagogical approaches to attain programme-independent POs.
Strengthening research culture across University for various dimensions	<ul style="list-style-type: none"> o University's research profile was successfully enhanced, with a notable increase in the number of research publications and an improvement in their quality, as measured by the impact factor of the journals in which they were published o The adoption of student-centered teaching methods led to a significant improvement in student engagement and motivation, as evidenced by higher participation rates and improved

	exam performance.
Promote use of ICT in academic processes.	o The integration of ICT in academic processes has led to a number of positive outcomes, including improved access to information, enhanced collaboration and communication, increased flexibility and convenience, improved student engagement and motivation, better assessment and feedback, enhanced accessibility, and cost-effectiveness.
Enhance industrial consultancies and government funding in thrust areas of research.	The industrial consultancy is enhanced and reached up to 78 lakhs with 27 such consultancies. 19 research projects were procured from various government agencies amounting to 175 lakh rupees.

13. Whether the AQAR was placed before statutory body? Yes

- Name of the statutory body

Name	Date of meeting(s)
Academic Council	12/05/2023

14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning? Yes

15. Whether institutional data submitted to AISHE

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• Designation	Provost
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• Phone no./Alternate phone no	02697 265037
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13. Whether the AQAR was placed before statutory body?	Yes				
<ul style="list-style-type: none"> Name of the statutory body 					
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Academic Council	12/05/2023				
14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?	Yes				
15. Whether institutional data submitted to AISHE					
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2020-21	26/02/2022				

16.Multidisciplinary / interdisciplinary

The university pursues the vision of making a difference in the society through excellence in teaching, research and social contributions. It strives to achieve the same through imparting holistic education integrating various platforms to nurture academic, sociocultural, professional, emotional and moral competencies in individuals. Strategically, the educational components at CHARUSAT are blended with humanities and arts, through a curricular, co-curricular and extra-curricular framework; implemented through individual institutes, Department of Humanities and Social Sciences, University Research Cell, CREDP, Students' Council and HRDC.

Significant initiatives towards implementing multidisciplinary are as under:

- Wide pool of multidisciplinary/cross-disciplinary elective courses
- Internships, skill development initiatives and research project components with interdisciplinary elements to improve employability
- Courses on professional and personal values and ethics, communication skills, personality development, environmental education etc offered in UG and PG level programs across all disciplines
- Unique courses on Liberal arts, Foundations in Basic Sciences, Creativity, Problem-solving and Innovation, Languages, SDG Handprint Labs, across all disciplines
- Degrees with minor specialization are initiated
- Multiple Entry and Exit in academic programs to enable creative disciplinary combinations and newer possibilities of life-long learning
- Co- and extra-curricular activities to engage in the practical side of curricular learning, promote community service and environmental sustainability

17.Academic bank of credits (ABC):

The university is in a primary stage of fulfilling the requirement of Academic Bank of Credits (ABC). Institutional initiatives in this direction are as under

- In the initial phase, the practice shall be implemented across the elective courses
- Policy for transfer of credit is under the process of development.

- Various awareness programs will be conducted for the same
- The faculty have the autonomy to design the curricular and pedagogical approaches including mode of teaching, learning resources, continuous evaluation components, classroom/laboratory/field assignments etc.

18.Skill development:

The curriculum and academic practices at CHARUSAT are largely evolved based on regional/national/international needs and are largely oriented towards employability, value-based education and life-long learning.

Institutional initiatives in this regard include

- Extensive laboratory component in curricula, including dissertation, minor projects and clinical postings
- Vocation-oriented courses (blended mode) in the areas of tourism, graphics and web-designing, healthcare, etc are offered as generic electives across all the academic programs
- Internship and apprenticeship component embedded into UG programs
- Courses/co-curricular initiatives to inculcate soft and communication skills offered across all programs
- Scientific temper inculcated through range of STTPs/seminars/workshops/conferences/webinars
- Courses on research and entrepreneurial skills
- Professional skill development and training initiatives from CDPC
- Value-based education through curriculum, services and practices, executed through individual institutes, HRDC, NSS-CHARUSAT, CREDP, Sports section, SDG Handprint lab, Students' Council

•	Representative initiative	
Human & Social	Rural education and healthcare initiatives, Spiritual discourses	
•	Courses on values and ethics, Student council activities	
•	Commemorative lectures, Celebration of national fervor	
Global	Environmental awareness and sustainability initiatives	
Life skills	Expert sessions on Yoga, Peace, Personal healthcare	

Upskilling of all the teachers through domain knowledge, soft skill and industrial trainings is ensured to enrich the above skill-development initiatives undertaken for learners

19.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The academic practices at CHARUSAT while is evolved based on scientific and technological advances, is also blended to include the knowledge of fundamental Indian tradition to develop well-rounded individuals.

Several specific initiatives include

- Bridge courses offered to support the learning in English language for students with vernacular medium of learning
- University offers Language and Liberal arts-based courses for all disciplines, through Department of Humanities and Social Science.
- Regular events, seminars and expert talks are arranged to promote Indian culture and ethics
- Courses aligned with herbal medicines are offered as regular and elective courses. Research on India traditional herbal medicines is also undertaken.
- University has a dedicated Herbal Garden to facilitate the same.

Out-of-classroom teaching of Indian culture is promoted through celebration of regional festivals with traditional flavor. Participative organization of the same through involvement of Students' Council is promoted. Other Students' council mediated activities promoting Indian culture and tradition include dedicated competitions on Indian Classical Dance, Rangoli and Mehendi Art during Annual Sports and Cultural Festival (SPOURAL) as well as celebration of Traditional Day involving fanfare of Indian traditional costumes.

20.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

CHARUSAT has aligned teaching-learning methodology with the outcome-based education (OBE)

approach. Attainment of Program Outcome (POs), Program Specific Outcome (PSOs), and Course

Outcome (COs) constitute an integral part of teaching-learning process at the institutes. The

attainments are also indicative of the effectiveness of academic activities. The process details of OBE implementation OBE are as on the university website (https://iqac.charusat.ac.in/files/OBE_CHARUSAT_V2.pdf) The mapping of OBE parameters is also analyzed and reviewed through the academic regulatory bodies like Board of Studies, Faculty Board and Academic Council.

In Phase-I, the implementation of OBE had been initiated across Faculty of Technology & Engineering and Faculty of Pharmacy, and were subsequently extended across all the remaining academic disciplines. The OBE ideology has been percolated across the university through various initiatives initially in the form of national-level conference, awareness programs and interactions while its implementation has been ensured through a dedicated committee.

In Phase-II, a specialized workshop on OBE was organized by HRDC-CHARUSAT to train selected faculty members in curriculum development and competency evaluation (assessment) aspects, and its furtherance across various departments. Currently, the university is considering a series of activities to take care of the advanced aspects of OBE implementation

21.Distance education/online education:

Use of ICT tools to facilitate the blended mode of teaching learning has been extensively adopted as one of the major pedagogical reforms at CHARUSAT.

Key institutional efforts towards promoting blended learning are as under

- Wireless Information and Networking Cell (WINCELL) has been developed to ensure the appropriate infrastructural development including internet Bandwidth of 1150 MBPS with more than 100 Wi-Fi nodes
- CHARUSAT Media Center and Studio have been set up to support the recording and transaction of the course content. All classrooms are having computers, projectors

and Audio-visual system

- All teachers are trained and encouraged to use LMSs, Blogs etc. for enhanced student learning experience
- Value-added learning through virtual labs and MOOCs is increasingly encouraged
- Several online courses/e-learning resources have been developed

The university is further considering developing more online courses and training modules, focusing on supporting employability and vocational needs.

Extended Profile

1.Programme

1.1	55
Number of programmes offered during the year:	

File Description	Documents
Data Template	View File

1.2	6
Number of departments offering academic programmes	

2.Student

2.1	8583
Number of students during the year	

File Description	Documents
Data Template	View File

2.2	2509
Number of outgoing / final year students during the year:	

File Description	Documents
Data Template	View File

2.3	8582
Number of students appeared in the University examination	

during the year	
File Description	Documents
Data Template	View File
2.4	107
Number of revaluation applications during the year	
3.Academic	
3.1	1277
Number of courses in all Programmes during the year	
File Description	Documents
Data Template	View File
3.2	467
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.3	459
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	116718
Number of eligible applications received for admissions to all the Programmes during the year	
File Description	Documents
Data Template	View File
4.2	2813
Number of seats earmarked for reserved category as per GOI/	

State Govt. rule during the year	
File Description	Documents
Data Template	View File
4.3	141
Total number of classrooms and seminar halls	
4.4	3605
Total number of computers in the campus for academic purpose	
4.5	6759.64
Total expenditure excluding salary during the year (INR in lakhs)	

Part B

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 University

Charotar University of Science and Technology (CHARUSAT) caters diverse opportunities under the ambit of six faculties viz. Faculty of Technology and Engineering, Faculty of Pharmacy, Faculty of Computer Science & Applications, Faculty of Management Studies, Faculty of Sciences and Faculty of Medical Sciences. The curricula of various programmes are developed through a well-defined procedure considering societal needs, feedback from stakeholders, stipulation of various regulatory bodies e.g., UGC, AICTE, PCI, INC, GSCPT, competencies of aspiring graduates, prospective opportunities as well as the government initiatives e.g., Make in India, Start-Up India etc. The vision and mission of the university have relevance to the local, national and global needs which are reflected in program outcomes (PO) and course outcomes (CO). The POs are mapped with United Nations' sustainability goals, ethics, effective communication skills, etc. The specific, realistic and tangible COs are aligned with minimum one PO, to facilitate mapping. The university has identified the dynamic competencies and adopted the graduate attributes so that the graduates should possess the knowledge and skills in accordance with the prevailing industry requirements, prevailing thrust areas of research and entrepreneurial potential, with a

focus to empower the graduates in solving the societal issues and serving the nation.

File Description	Documents
Upload relevant supporting document	No File Uploaded

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

55

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

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

1240

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

37

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

53

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3 - Curriculum Enrichment

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

CHARUSAT has designed student-centric curricula for all the programs in line with national and international practices, to promote self-learning, peer-learning and holistic development of the learners. The core component of courses entitled Philosophy for Life, Society, Governance & International Studies, Human Values and Professional Ethics, Contributory Personality Development, Introduction to Law and Justice in India, Pharmaceutical Jurisprudence, Advocacy in Physiotherapy, Ethics in Research, Creativity Problem Solving and Innovation, Environmental Sciences, Organizational Behaviors are directly linked with crosscutting issues relevant to Human Values, Professional Ethics, Gender Equality and Environment and Sustainability. A course entitled Sustainable developmental goals (SDG) Handprint lab offered in collaboration with Centre for Environment Education, challenges the students to understand the goals and targets in a selected geographic area and design solutions. Non-discriminative environment on campus is bolstered through Women Development Cell, Equal Opportunity Cell, Cell for Prevention of Sexual Harassment. Professional ethics including honesty, transparency, fairness and equity are inculcated through courses as well as involvement of students in financially accountable organization of diverse activities, inter-departmental teamwork, Plagiarism check and appropriate acknowledgement in academic/research writings. Students are sensitized towards human values and societal responsibilities through volunteering in social development activities by NGOs and NSS.

File Description	Documents
Upload relevant supporting document	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number 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 during the year

1795

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

4335

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni

- All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

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

- Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

2813

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

464

File Description	Documents
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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

Unique set of skills, abilities and competencies in every student, key to their career progression, are analyzed to identify slow learners as Easy Paced Learners (EPL) and advanced learners as Fast Paced Learners (FPL). The mechanism to identify EPL and FPL involves:

1. Entry Level Competency Test
2. Admission Rank
3. Counselling Session
4. Performance in examinations

A specialized test is arranged for first semester students to identify their competencies in various areas. Its output is analyzed to counsel and groom the student through a robust-mentor system. The merit rank of the student additionally implies academic orientation and competency.

Choice Based Credit System is implemented to facilitate capacity-driven progression of both EPL and FPL. Besides, the following special activities are conducted for advanced learners

1. Summer Research Programme
2. Expert sessions and add-on courses
3. Research Projects
4. Career guidance and aptitude building programs
5. Preparatory sessions for competitive examinations
6. Organizing workshops/seminars on scientific/technological/management advances and financial assistance to participate in such events
7. Felicitation of achievers during annual day function

Following activities are conducted for slow learners

1. Remedial classes
2. Individual academic counselling
3. Conduction of internal improvement test

Counselling by Psychologist to the needy students

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link For Additional Information	Nil

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
8583	467

File Description	Documents
Upload relevant supporting document	View File

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

CHARUSAT has adopted outcome-based education approach and student-centric methodology in teaching-learning process, while ensuring holistic development of the students. Experiential learning, participatory learning and problem-solving methodologies are extensively used as pedagogical tools, implemented using following strategies.

Experiential Learning: Translation of classroom knowledge into practice and applications

- Extensive laboratory component in curricula and state-of-the-art lab setup
- Industrial training and visits to give exposure to the corporate/company culture
- Summer trainings, on-site trainings and clinical postings
- Training through supervised funded research projects, industrial projects and dissertation, with interdisciplinary components

Participatory Learning: Imparting management skills and problem-solving capacities

Interpersonal skills, attitude of peer-learning, time management and problem-solving capacities in students are enhanced through following pedagogical components like

- Group discussions and Group projects
- Involvement in organizing Workshops/techfests
- Assignments and presentations
- Integration of MOOCs (e.g. SWAYAM, NPTEL)
- Hackathons, technical competitions
- Online learning modules
- Role play, community visits

Problem Solving Methodologies

Case-studies from management and administration, Patient-based Case studies, Comprehensive design problems, Industrial applications and Software projects, Research problems and Solutions, Pharmacotherapy-based Case-studies are several problem-solving methodologies employed to enable students to observe, understand, evaluate, and find solutions to local/regional problems. A dedicated course on Creativity, Problem solving and Innovation is offered to all the students.

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

CHARUSAT extensively integrates use of the ICT-enabled tools with the traditional classroom education, to adopt blended learning approach. Efforts have been taken by the university to provide e-learning environment through following measures

- Classrooms and laboratories fully furnished with the multimedia projectors, digital interactive boards and writing pads
- On-campus internet speed of 1150 MBPS
- Mandatory use of LMS
- Well-trained faculty

CHARUSAT employs following ICT-enabled tools:

1. DELNET equipped CHARUSAT library for resource sharing and access to books, journals, technical reports, etc. through the OPAC
2. Collaborative LMS resources (Microsoft Teams, Edmodo, Google Classrooms)
3. Virtual and simulation labs
4. Media lab facility to create and share video lectures
5. Online quizzes and polls to record student's feedback
6. Teacher-owned/managed YouTube channels and blogs to provide a modern and accessible interface
7. Licensed use of Video Conferencing software like Zoom for interactive expert sessions
8. Promoting learning through MOOCs like NPTEL, Udemy, Coursera. CHARUSAT has purchased the license of NPTEL and has its' NPTELLocal chapter in addition to the LMS.
9. Tie-up with Coursera to offer the advanced courses to the

teachers and students

Well prepared ICT infrastructure and well-trained faculty enabled smooth academic progression even during the pandemic-imposed restrictions.

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.3.3 - Ratio of students to mentor for academic and other related issues during the year**2.3.3.1 - Number of mentors**

453

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.4 - Teacher Profile and Quality**2.4.1 - Total Number of full time teachers against sanctioned posts during the year**

467

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. during the year

203

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.3 - Total teaching experience of full time teachers in the same institution during the year**2.4.3.1 - Total experience of full-time teachers**

3025

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

89

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

13

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 year

13

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

107

File Description	Documents
Upload relevant supporting document	View File

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

Evaluation is a crucial aspect of the teaching-learning process, enabling successful academic progression of students. The Examination Reform Committee continually reviews the exam management procedures and recommends IT-integrated automation for improvisation. Effective examination system is executed through IT software called e-Governance.

Continuous internal assessment conducted at Institution level involves

- Sessional examination of theory component through Unit Test, Assignment, Presentation, Case Study etc.
- Evaluation of practical component through regular lab performance, practical exam and viva-voce.

End-Semester Assessment usually is conducted through regular written paper/practical test/oral test/presentation or a combination of these.

Some of the Key Exam Reforms adopted during online/hybrid teaching

- Increased accountability of the evaluation process through "Know Your Answer Book" scheme for online exams, allowing personal verification of answer book in presence of Parents, Course Convener, Dean of the Faculty and provost nominee.
- Well-proctored Digital Paperless Examination using exam-from-home module of PEXAlite software
- Evaluation of practicals in hybrid teaching mode, through task-based examination, followed by viva-voce using Microsoft Teams
- Conduction of internal examinations through Google classrooms and dedicated storage of question papers and answer-books

Timely publication of results and issuing necessary certificates to facilitate timely placement and progression into higher studies for students.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

The institute 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

Development:

CHARUSAT has focused on intricate development of curricula involving various elements of Outcome-Based Education (OBE). Considering the recommendations from regulatory bodies (i.e., AICTE, IEEE, UGC, PCI, GSCPT) and the stakeholders, the institutes/departments have evolved respective program outcomes (POs), course outcomes (COs), program educational objectives (PEOs) as well as Program Specific Outcomes (PSOs) (for Departments under Faculty of Technology), in alignment with well-defined Vision-Mission statement

Dissemination:

The elements of OBE systems are propagated across all the stakeholders through various platforms like

- Handbooks provided to the students during orientation sessions
- Library reference records
- University Website
- Physical displays at key locations in institute/university buildings

Implementation:

The practice includes

- Preparation of lesson planning and course content analysis before commencement of every semester
- Identification and specification of instructional objectives based on Bloom's Taxonomy
- Clear description of the knowledge skills and competency expected from the students
- Mapping of COs of all courses with respective POs in fastidious manner.
- Carefully drawing question papers to evolve the attainments of COs
- Critical mapping and review of attainment of POs

The students are made aware of such practices during their regular classroom sessions, tutorial meetings and counselling sessions.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

CHARUSAT has aligned teaching-learning methodology with the outcome based education (OBE) approach. Attainment of Program Outcome (POs), Program Specific Outcome (PSOs), and Course Outcome (COs) constitute the integral part of teaching-learning process at the institutes. The attainments are also indicative of the effectiveness of academic activities.

Step 1: Defining Program Outcomes (PO) and Program Specific Outcomes (PSO)

Step 2: Defining Target level of each POs and PSOs

Step 3: Defining Course Outcomes

Step 4: Preparing Course Articulation matrix which/ maps each course with appropriate POs and PSOs.

Step 5: Evaluation of the Course Outcome is based upon data collection through following exemplary assessment.

Step 6: Attainment of COs

The attainment level is measured in terms of actual percentage of students getting set percentage of marks, as follows.

Table1: Attainment level

Level

1

50% student scored above 60%

Level

2

60% student scored above 60%

Level

3

70% student scored above 60%

Step 7: Analysis and action taken based on calculated attainment level and targeted attainment level.

Total attainments of particular program for all POs or PSOs are calculated from course wise attainment in all the faculties across CHARUSAT, analyzed and action is sought for further improvement, if needed.

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.6.3 - Number of students passed during the year**2.6.3.1 - Total number of final year students who passed the university examination during the year**

2308

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

https://igac.charusat.ac.in/files/SSS_AOAR_2021-22.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

CHARUSAT aims at fostering a quality research environment through

- Integration of research components across UG/PG curriculum
- Autonomy to faculty and students to pursue research in self-identified domains
- Well-structured research policy implemented through University Research Cell is uploaded on the university website. This includes
 - Promoting original research through plagiarism checks
 - Disseminating research through publications in SCOPUS/Web of Science indexed journals
 - Endeavours to obtain patents/security for inventions/innovations
 - Seed Research Grants
 - Administrative and infrastructural support to facilitate application of research grants to various funding agencies, with a support upto 30% of equipment grant for every sanctioned projects.
 - Financial support to researchers to participate in conference/workshops
 - Fellowships for UG, PG, doctoral and postdoctoral students
 - Consideration of research endeavours for career advancement of teachers
 - Research paper awards
 - Institutional Ethics Committee

- Endowment Chair funds
- Developing research facilities through institutionalization and upgrade of
 - Dedicated research centres like Dr. K C Patel R & D Centre, CHARUSAT Space research Centre, NABL accredited labs for Oil & Environment, International Centre for Cosmology, Centre of Excellence in AI, Sophisticated Instrumentation Labs, Supercomputing facilities
 - Regular infrastructure audit and policy to update the existing or replace the outdated equipment

File Description	Documents
Upload relevant supporting document	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

33.38

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

21

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research **A. Any 4 or more of the above**
Central Instrumentation
Centre Animal House/Green House Museum
Media laboratory/Studios Business Lab
Research/Statistical Databases Moot court
Theatre Art Gallery

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

6

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year (INR in Lakhs)

5.38

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

174.99

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

22

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

CHARUSAT envisages to contribute successful job creators to the society. Entrepreneurship Development and Incubation Cell (EDIC) was established to create necessary eco-system for entrepreneurship and innovations. Through a range of initiatives, focused approach, collaborations as well as diverse support from Government of Gujarat, EDIC subsequently setup a CHARUSATSTARTUPANDINNOVATIONCENTRE in December 2020. Two student start-ups were supported in 2020-21 under the Student Startup and Innovation Policy (SSIP) initiated by Gujarat Knowledge Society, Commissionerate of Technical Education, Govt. of Gujarat,

Following major activities have been carried out under its aegis

- Training Program was organized for trainers/ researchers of Indian Academy for Self Employed Women -(IASEWA) unit of SEWA during March 01, 2021, to March 08, 2021
- Offered an International Online Certificate Program for Business Professionals on Agri - Business Entrepreneurship during March 05, 2021 to August 22, 2021
- Organized a Business Plan Development Workshop in Webinar Series mode for Pharma Professionals during September 25 to October 09, 2020
- Organized a workshop on Business Plan Development (Six-day value added e-Course on Entrepreneurship) during January 25-30, 2021

Nine Entrepreneurship Awareness Workshop (EAW) were organized for different programs like Engineering, BBA, MBA, Physiotherapy etc

File Description	Documents
Upload relevant supporting document	No File Uploaded

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

146

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

146

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

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

269

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following

A. All of the above

1. Inclusion of research ethics in the research methodology course work

- 2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)**
- 3. Plagiarism check**
- 4. Research Advisory Committee**

File Description	Documents
Upload relevant supporting document	View File

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

Commendation and monetary incentive at a University function

Commendation and medal at a University function

Certificate of honor Announcement in the Newsletter / website

B. Any 3 of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

44

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year

0.53

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

73

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Scopus	Web of Science
37943	NA

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	No File Uploaded

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

Scopus	Web of Science
59	Nil

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
Any additional information	No File Uploaded

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

Strengthening Industry-Academica Interface is a major focus area at CHARUSAT towards becoming a research-driven academia. The University has engaged in consultancy with industries, peer organizations and other stakeholders of the society including partnered investment of intellectual and infrastructural capacity to provide solutions to a problem, validate/develop/improve a process or a product, offer a coursework or part thereof in organizations other than University, develop curricula for establishing new courses etc.

A well-defined University Policy segregates diverse consultancy initiatives into three broad categories viz

1. Individual Consultancy
2. Departmental Consultancy
3. Institutional Consultancy

The mechanism to enter into an agreement involves

- Proposal submission
- Review and discussion in the presence of university authorities and Industry client
- Mutual agreement of terms and conditions
- Implementation

This mechanism ensures that the academic community and the university are not subjected to financial and other risks, such as a conflict of interest.

Researchers/Faculty members are encouraged to involve in consultancy, through a liberal and mutual benefit sharing policy; 70% to be disbursed for Intellectual Inputs and 30% is with the university.

A designated University Industry Interaction Cell (UIIC) is established to facilitate collaboration amongst academicians, scientists, and industry.

File Description	Documents
Upload relevant supporting document	No File Uploaded

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

85.45

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year

CHARUSAT is driven to make extensive endeavours to drive desired impact on society and sensitise students towards the role of youth as responsible citizens in sustainable development through major activities like Health, Education and Nature Awareness Drives, Social Awareness Drives, Civic Awareness Drive and many more. CHARUSAT under its extension activity units- CREDP and NSS- organizes various activities including celebration/observation of Independence Day, Republic Day, International Day of Yoga, Constitution Day, Gandhi Jayanti, Sardar Jayanti, Annual NSS Camps etc. Nature Awareness drives encompasses volunteers involved in tree plantation on campus and nearby villages, spreading awareness about importance of water, saving injured birds, animals, etc. Under Health Awareness Drives activities like cleanliness drives/health awareness programs focusing on personal hygiene, sanitation, menstrual hygiene etc. in villages adopted under Unnat Bharat Abhiyan and other vicinity, have positively influenced the attitude and conduct of students, rural community, local vendors etc. These activities are also an attempt to align with the Swatchh Bharat Abhiyaan. The NSS/CREDP units have extensively collaborated with local government bodies to ensure implementation of Covid protocols and lockdown measures. These programmes/activities have brought about a remarkable change in the outlook and attitude of students and community towards life and society.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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 year

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

16

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated

programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

96

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

3465

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

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

18

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year

19

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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.

The university has actively engaged in creating and upgrading infrastructural facilities to ensure teaching-learning process of best standards while adhering with the recommendations by various state and national level statutory bodies.

. This includes

- 151 air-conditioned classrooms including seminar halls
- Classrooms integrated with modern ICT facilities to enable use of multiple pedagogical methods
- Easy access of classrooms/labs and other learning centres for differently abled individuals
- Over 3500 computers and 1150 mbps internet connectivity on-campus; with Cloud ready infrastructure

The university houses well-equipped laboratories to facilitate skill development and experiential learning for students including but not limiting to

- SUPERCOMPUTER granted by the Government of Gujarat
- Super Microserver to enhance computational infrastructure
- Laboratories developed under SERB-DST/DBT funded research projects
- Pneumatics system, Hydraulic system and Modular production system with three MPS stations
- Artificial Intelligence Lab, Mobile/IoT Research Lab
- Robotics/Virtual Reality/Augmented Reality Research Lab
- NABL accredited Environmental Engineering Lab
- CHARUSAT Sophos Information Security & Research Lab
- Human motion analysis and research lab
- Computer Assisted Learning Laboratory (CALL)
- Exercise and fitness testing laboratory
- Aseptic Laboratory/Cell culture Lab
- Animal house for preclinical Research

- Pharmacognosy Drug Museum and Herbal Garden
- Tinkering Lab
- Nursing Foundation lab
- B.I.C. Engines Lab

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

CHARUSAT has extensive facilities to promote sports and cultural activities among students. The university has two playgrounds with a total area of 32,434 square meter (sqm) and two gymnasiums (275+180 sqm) with modern fitness equipment. Existing playgrounds are equipped for sports like Cricket, Football, Handball, basketball, Athletics, Volleyball, Kabaddi and Kho-Kho. Another playground with a size of 10,652 sqm have been proposed for development in near future.

Two Open-air theatres and nine auditoria located at various constituent institutes are used to organize various cultural events. These facilities were utilized for training, practice and inter and intra university competitions; two major ones being a week-long annual event 'SPOURAL' and 'VRUND'-The garba festival. Considering the mass participation involved, these celebrations have been avoided in the AY2020-2021 on account of pandemic guidelines

The university actively encourages and facilitates practicing Yoga and meditation. Dedicated yoga sessions are conducted for students, staff and the neighborhood community through in-house experts. A unique initiative called 'Yog Nrutya' was undertaken, to orient people towards yoga and fitness through practicing aerobics in the form of dance.

The university thus increasingly focuses on spiritual, physical and cultural wellbeing by promoting mindfulness, fitness and recreation.

File Description	Documents
Upload relevant supporting document	No File Uploaded

4.1.3 - Availability of general campus facilities and overall ambience

The general campus facilities include

- Fully furnished Principal's/HoD's/Dean's office for every institute, office rooms for University executives with interiors, furniture and fixtures. All offices and staff rooms are provided with separate restrooms
- Common Rooms (for boys and girls) with attached restrooms, lockers with furniture.
- Specialised facility for physically challenged persons includes specially equipped restrooms, ramps and lift.
- Outdoor and Indoor sports, fitness and recreation facilities
- Open-air theatres and Auditoria across all institutes
- Multiple food & beverage joints, canteens
- On-campus ATM and banking facility
- Well-guarded campus entrance
- Girls Hostel and mess
- Souvenir and general stores
- Parking area and pedestal walkways
- Water storage tanks and reservoirs
- Staff quarters
- Workshop

The overall ambience of the university campus is largely serene owing to a lush green layout and the farm-clad surroundings. The institute buildings are well-designed to surround a central courtyard. Cleanliness and ambience are maintained through dedicated housekeeping and gardening contracts along with the policies promoting environment-friendly practices from students and staff. A dedicated security team, supported by university policy also promotes a traffic-free environment. Utmost care is also administered to preserve the natural biodiversity and ecosystem across the campus.

File Description	Documents
Upload relevant supporting document	No File Uploaded

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

1741.29

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

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

CHARUSAT houses a central library as well as institutional libraries, enriched through institutional membership of DELNET, IIM-A, AMA, British Council Library, and AIMA, the benefits of which are accessible to over 8000 users. The library resources include books, rare books, e-journals, periodicals, CDs/DVDs/Floppies, Course Packs from IIM, Case studies, project reports and theses.

Cataloguing and acquisition of these are managed through SOUL 2.0, an integrated library management software, compliant to international standards. RFID and bar-coding system are used to computerize the bibliographic details of the resources.

Remote access to the library resources is provided through 'On Desktop Facility'. Librarians provide document delivery service digitally to selected students, research scholars and staffs on request.

Access of library resources to differently-abled users is facilitated through software like ABBY FineReader and NVDA, and E-Reader Instruments as well as doorstep services upon request.

Digitization Facility:

The University has D-Space (CHARUNIDHI) to build and update Institutional repository of research papers, theses as well as the collection of University Newsletter-CHARUSAT Comet, Journal published by University, memorial lectures, Convocation Addresses of Chief Guests, and newsletters of the patron organization. Through Cloud-based digitized services, Newspaper Clippings, Exam papers, Rare Books are also digitized for access through intranet.

File Description	Documents
Upload relevant supporting document	No File Uploaded

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	View File

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

240.38

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

985

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

141

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

CHARUSAT primarily formulates and executes its IT policy through

Wireless information and networking cell (WINCELL). WINCELL has established Cloud Ready Central Setup facilities and manages central IT services like Internet, e-mail, e-governance and other departmental/institutional servers.

Networking Policy

- Fibre, Ethernet and Wireless connectivity across the campus
- Modern network technology and equipment are procured, utilized efficiently and upgraded

Data Centre, Cloud Computing and Server Policy

- Management of IT services and portals by a Central Data Centre with cloud-ready infrastructure connected to Central Storage Area Network (SAN) and redundant power supply having fibre optic connectivity
- Incremental and full backup for all the server database

Cyber and Security Policy

- Gateway level firewall commissioned to protect WAN traffic
- Discrete usage procedures for different user-levels, with personalized login
- Annual internet bandwidth upgrade
- Regular monitoring of internet surfing reports
- Controlled social media access
- Antivirus solution to protect against computer viruses

Email Policy

- Separate proprietary email domains for students and staff
- Well-designed grouping for efficient email communication

Updating IT facilities

- Regular review of Data Centre considering technological updates and suitable allocation of budget
- Plan to replace conventional racks with smart rack at budgetary cost of Rs. 65 lacs.

Technology to incorporate energy-efficient utilization

File Description	Documents
Upload relevant supporting document	No File Uploaded

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
8632	3605

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

• 1 GBPS

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

A. All of the above

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

5018.36

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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.

CHARUSAT has Infrastructure Development and Maintenance Section

(IDMS) comprising technical and administrative staff oversees (1) New Development and (2) Maintenance of buildings/class-rooms/laboratories and other facilities including emergency set-ups like sanitization tunnels. Institute-wise IDM committees are constituted to facilitate coordinated execution of maintenance activities.

Up-to-date records of preventive maintenance, breakdown maintenance, and log book of machines/equipment are maintained by the Institutes. Interdepartmental verification of stock is carried at the end of every year and the missing/damaged items are written-off. Sophisticated equipment is covered under annual maintenance contract. Budgeted provision of 10-15% of Capital Related Expenditure is made each year for Maintenance expense.

The IT services and computational facilities are maintained by Wireless Information and Networking Cell (WINCell) through a dedicated policy.

Classrooms/Laboratories are effectively utilized as per timetables designed by each department/institute. Good Laboratory Practices are followed for correct utilization of lab equipment. Ventilation, aseptic area, fire extinguisher etc ensure safe utilization of facility.

A library committee is responsible for policy framing, implementation, monitoring and developmental aspects of the library. The maintenance of the library is practiced through yearly audits.

Dedicated staff in Sports and cultural section is allocated for regular upkeep of sports and gymnasium facilities.

File Description	Documents
Upload relevant supporting document	No File Uploaded

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

2795

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

4421

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

• All of the above

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

472

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

5.2.2 - Total number of placement of outgoing students during the year

1179

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

843

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

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 year

44

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Students Council at CHARUSAT represents the Student Community in curricular, co- and extra-curricular initiatives for student welfare and institutional development. It comprises of student volunteers selected across all institutes and functions with the following objectives

Objectives

1. To promote and propagate life values in students.
2. To develop leadership skills, organizational skills and collaborative skills among students.
3. To enhance interaction among students of different faculties as well as within their own faculty.
4. To organize all-rounded co-curricular and extracurricular activities at Intra University and Inter University levels.
5. To raise awareness and encourage involvement in co-curricular and extracurricular activities among students.
6. To organize a variety of activities for holistic personality development of students.
7. To explore and bring out students potential and talents to the fullest.

Major activities by Student Council in AY2021-22

- Orientation Session for first year students
- Farewell Function
- Alumni Meet
- Annual Day
- Foundation Day
- Science Manthan
- Teachers Day
- Engineers Day
- National Science Day
- Independence Day
- Republic Day

Suggestions received from the council regarding sports/cultural

facilities, event organization processes, academic improvisations etc, have been reviewed for needful consideration.

File Description	Documents
Upload relevant supporting document	No File Uploaded

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

76

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 during the year

CHARUSAT Alumni Association (CAA) has been registered as a public trust at ANAND PRADESH, ANAND, as per year 1950 Mumbai Public Trust Act (Registration number: "F/1819/ANAND"). A total of 11,162 alumni are registered and connected on the CHARUSAT Alumni portal (<https://charusatalumni.org/>)

CHARUSAT Alumni contributions and achievements

- Built worldwide reputation for the university through their remarkable performances have and achievements in their respective areas worldwide.
- Recruited at senior positions in many multinational companies and provide better opportunities to our existing students in training and job aspects
- Motivate the existing students as speakers, experts and guest lecturers
- Sponsored various technical and non-technical events (workshops and conferences) organized by the university.
- Provide active feedback for academic and infrastructural enrichment
- Active interface with alma matter as member of university IQAC, Visiting Faculty members, member for Area Advisory Board, involvement in Mentor-Mentee program
- Share lateral job posting for fellow alumni on the Alumni

platform

- Donations of funds and resources like books in CHARUSAT library

Regular alumni meets occur twice a year (institutes) and annually (university level) to continually strengthen the alumni interactions.

File Description	Documents
Upload relevant supporting document	No File Uploaded

5.4.2 - Alumni contribution during the year A. ? 5Lakhs (INR in Lakhs)

File Description	Documents
Upload relevant supporting document	View File

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

CHARUSAT functions on four core values- honesty, integrity, transparency and social responsibility. The Vision and Mission statements of CHARUSAT are

Vision:

To become a dynamic global institution in a knowledge driven world through excellence in teaching, research and social contributions

Mission:

To serve society by striving to transform it through creation, augmentation, dissemination and perpetuation of knowledge

The key performance areas are

Academic excellence

- Semester-based programs through Choice Based Credit System
- Curricula aligned with national/international standards and needs
- Continuous refinement through feedback from stakeholders
- Emphasis on Outcome-Based Education through student-centric pedagogical innovations and faculty upskilling
- Regular exam reforms and automation
- Holistic development of students through mentor-mentee system

Research-driven empowerment of academics and society

- Well-structured policies for implementation of research projects, publications in national/international journals, IP security, consultancy
- Supporting Start-up and Innovation from students/faculty

Community services

- Adoption of villages under Unnat Bharat Abhiyaan
- Free primary education, affordable healthcare services and upgrading the civic substructure in near vicinity
- Infrastructural/research/academic practices inclined towards environmental sustainability

Governance: Transparent accountancy; No capitation fees/hidden costs to students, UGC pay scales, regular audits; involvement of Industrialists/academicians/philanthropists in Board of Management/Governing Body

Thus, CHARUSAT espouses and practices its mission and endeavours to follow its vision.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

CHARUSAT pursues inclusive growth by involving all employees in

decision-making processes like recruitment, finance/purchases, admissions, infrastructural development, curricula development/transaction/assessment. Feedback from all stakeholders is actively considered to strengthen these dimensions.

1. Functional autonomy at the level of curricula development, transaction and assessment

Faculty members are given autonomy in curricula design, pedagogy, and components of continuous assessment. Curricular enrichment and pedagogical innovations are based on comprehensive analysis of feedback from various stakeholders.

2. Empowerment of the employees.

Faculty members are empowered to gain individual-centric professional development through

- autonomy to decide their respective goals and key performance areas (KPA) which are then appraised vis-à-vis self-appraisals
- autonomy to define research pursuits
- autonomy to procure equipment/software/books/other resources
- Facilitation to pursue PhD, with scholarships
- support to upgrade their knowledge in chosen domain and skills through training in industries/industrial sectors of their choice

Participative management:

Involvement of stakeholders like employers, industry, academia, scientists etc. as members in bodies like BoS, Faculty Board, Academic Council, Board of Management, Governing Body, recruitment panels etc. This facilitates efficient interaction with university officials like Provost, Registrar, Deans, Principals, HoDs. Teachers and lab technicians also participate in the purchase process. Students also participate in managing various institutional activities.

File Description	Documents
Upload relevant supporting document	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

CHARUSAT aspires to establish itself a leading national university and to realize this vision the university has developed and effectively implemented its five-year vision plans since its inception.

The Strategic Plan of CHARUSAT elaborates strategic action plans aligned with its vision, its past accomplishments, its strengths and resources, and challenges. The challenges identified by CHARUSAT are:

- Government Policies and (Lack of) Autonomy
- Competition and increasing the Brand Equity
- Resource Generation
- Reconciling Autonomy with Quality Enhancement
- Affordability of Higher Education to common mass
- Digital/ICT initiatives and ensuing disruption
- Availability and retention of outstanding faculty

The plan is being achieved by focusing on Research, Development and Innovation; Teaching, Learning and Assessment; and Extension and Community Service as the Core Performance Areas through Good Governance, Infrastructure, Faculty Competence and Student Talent as Core Capacity Dimensions.

Major initiatives towards its implementation are

1. Nation-wide advertisement for faculty recruitment,
2. Preferred appointment of PhD-qualified faculty with evident research output
3. Stake of students' feedback of faculty in annual performance appraisal
4. Human resource development through fostering attitude/knowledge enhancement/skill polishing
5. Research promotion through administrative, financial and infrastructural support under progressive research policies implemented by University Research Cell.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

The University has well-linked organizational structure to facilitate participative decision making and execution.

For academic and research aspect, Board of Studies, Faculty Boards, Research Council and Academic Council are in place. For other aspects University Industry Interaction Cell (UIIC), CHARUSAT Rural Education Development Program (CREDP), Career Development and Placement Cell (CDPC) are in place. Advisory Boards, HR Committee and Finance Committee are also well functional. Decision of all these are discussed in Board of Management. The decisions of Board of Management are ultimately taken up in Governing Body. The approach is both ways: top-down and bottom up. This approach ensures fast, efficient and effective decision making.

File Description	Documents
Upload relevant supporting document	No File Uploaded

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation **A. All of the above**

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

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Performance Based Appraisal System (PBAS) is designed in consonance with UGC; mainly based on self-appraisals vis-à-vis self-set annual goals. The performance assessment process for teachers involves

1. Self-assessment of annual performance in a structure proforma including following components

- Teaching-Learning-Evaluation related inputs
- Professional Development, Co-Curricular and Extension Activities
- Research contributions
- Students' feedback

2. One-on-one interactions with university-nominated panel

3. Sharing performance feedback and evaluation through formal communication

Career Advancement/Promotion scheme (CAS) for teachers is facilitated as under

- Submission of application after achieving desired qualifications (i) completing required years of experience (ii) obtaining Academic Performance Indicator (API) scores
- Granting CAS promotion based on recommendation of Screening cum Evaluation Committee

Performance appraisal/promotion of non-teaching staff is based on decided structure of their job profiles.

Effective welfare measures for teaching/non-teaching employees

1. Allowances and Benefits as per Government Norms:

- Dearness/Travelling/Medical Allowances
- Gratuity/Employee Provident Fund
- Leave Encashment
- Maternity/Paternity/Sabbatical Leave

1. Opportunities for Self-Development:

- Facilitating higher study
- Financial assistance for career progression initiatives
- IELTS/APTIS Coaching
- Appreciations and felicitations in university-level functions
- Access to fitness facility

1. Other Initiatives

- Medical Services at CHARUSAT hospital and insurance
- CHARUSAT Employees Consumer Co-operative Society Ltd.
- Day-care facility
- Fees Waiver/Financial aid schemes for Children/Spouse of CHARUSAT Employees

On-campus banking services

File Description	Documents
Upload relevant supporting document	No File Uploaded

6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

81

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

79

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4 - Financial Management and Resource Mobilization

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

Being an unaided institution, fund mobilization and its optimum utilization becomes a crucial aspect of resource management. Major strategies deployed towards the same are as follows:

Financial resources mobilization through

- Philanthropic donations
- Fees (as regulated through Fee Regulatory Committee)
- Government agencies funding for research projects, travel grants, organization of scientific/technical events
- Endowment Funds
- Consultancy/Industrial Projects
- Testing/Analytical services
- Stakeholders and associates for organizing various co-/extra-curricular activities

Well defined strategies for optimal utilization of resources include

- Annual consultative financial budgeting and its quarterly review through Financial Committee
- Internal and external audits by professional CAs
- Financial transactions based on Makers-Checkers concept
- Standard financial accounting practices
- Institute-level and University-level purchase committees for procurement of equipment/supporting infrastructure
- Maintenance through AMCs and utilization audited through faculty in-charges and university-level committees
- Purchase of chemicals and consumables is managed through e-governance via annual rate contracts
- Usage optimization of instrumentation facility to users outside campus and regular training sessions for teachers and students
- Usage of infrastructure through booking and scheduling

through requisition channel

Utilization of resources received in kind e.g., books, software, hardware, equipment and lab consumables for academic enhancement

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

00

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

141.35

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.4 - Institution conducts internal and external financial audits regularly

CHARUSAT has the mechanism of Internal and External Audit. Internal Audit is performed by the Internal Auditor for all the transactions of the University. The External Audit is undertaken quarterly by the Statutory Auditor. Both the auditors are qualified chartered accountants.

The audited Accounts of the University are prepared within 10 days after 31st March of each Financial Year. As a result of Accurate and Precise Accounting, there have been no major audit objections.

The finance committee appropriately considers audit remarks if any. The internal audit remarks are immediately addressed and the external auditors audit report is considered at the end of

financial year

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

CHARUSAT-IQAC primes the growth of HEI through institutionalization of quality culture across academics, research, administration and extension services, through planning, monitoring, reviewing, refining and reforming the quality dimensions and their benchmarking.

IQAC functions and Key Contributions**Benchmarking:**

- Academic and Administrative Audit through external experts
- Institutional Ranking/Rating- NIRF, GSIRF
- Submitting the action plan for CoE status

Academic Enrichment:

- Review and strengthening of Outcome Based Education (OBE)
- Creating awareness and mapping the readiness for NEP-2020
 - Expert talk on 'Remodeling the Universities in the Light of NEP-2020'
 - Presentations and interactions with GoG

Research:

- Policy recommendations to University Research Cell to encourage on-campus research
- Participating at 2022-ACU measures supporting research survey

Governance:

- Strengthening in-house developed e-Governance-introduction of lesson planning and accreditation modules
- Charting CHARUSAT Strategic Plan and its Execution

- HR development- Policies and practices for annual appraisals, promotions and welfare
- Recommendations on University operations
 - Reconstitution of CHARUSAT Discipline Committee to form 'CHARUSAT Campus Discipline & Surveillance Committee'
 - Overall strengthening of students' section, academic hierarchy, research, infrastructure

Values and Practices

- Evolution of institutional best practices
- United Nations Academic Impact (UNAI) membership

Capacity building

- Faculty Development Program on OBE
- Initiatives to institutionalize Association of Indian Universities (AIU) Awards for students and faculty members
- Support and assistance to peer Universities for adopting quality practices

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

A. Any 5 or all of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in

case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

Specific Post-accreditation initiatives

- Monitoring and review of quality benchmarks; and participation in ranking/ rating processes
- Consolidating the implementation of Outcome-Based Education and CBCS
- Academic & Administrative Audit conducted through external experts
- Skill-based courses for enhancing students' employability and NEP-2020 oriented initiatives endorsed and promoted through AAA 2021-22
- Adjunct and visiting faculty members from reputed institutes/industries inducted
- Incepting a not-for-profit company namely "CHARUSAT Innovative Ventures Foundation (CIVF) to strengthen the startup and incubation activities
- Undertaken the development of short-term and long-term perspective plan and strategic plans for growth and development of university
- IQAC practices increasingly formalized; Recommendations on strengthening/ reconfiguring the academic, HR and administrative functions, students' section and research cell
- Recommending re-constitution of CHARUSAT Discipline Committee to strengthen the implementation of Code of Conduct
- Executive Programmes are enhanced to mobilize financial resource
- Alumni increasingly engaged in organizing placement-related activities, industrial trainings, internships for UG/PG students
- Industry-academia interface strengthened through collaborative research projects/industry-designed projects/consultancies/infrastructural augmentation
- Increased inclusion of industry representatives in academic boards and increased involvement of students in institutional management
- Upgrading ICT-driven processes on-campus; strengthened e-Governance

File Description	Documents
Upload relevant supporting document	No File Uploaded

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 year

The university prioritizes gender equality with highest ethical standards. It harbours ~50% density of female employees and students owing to an inclusive and empowering work culture offering equal rights, access to resources, opportunities and security, regardless of gender. This is ensured through

I. Women's Development Cell

II. Equal Opportunity Cell

III. Grievance Redressal Cell

IV. Cell for the Prevention of Sexual Harassment

V. Anti-Ragging Committee

VI. Students' Council

VII. Gender-sensitive HR policies including gender-independent employee

recruitment

Measures initiated

a) Awareness and Sensitization Programmes

- Gender equity promotion through poster-creating contests, quizzes, expert talks, seminars, workshops, essay/poetry writing competitions
- Sensitization through legal education/redressal, conflict resolution

b) Special Support for females

- Prioritizing women in allocation of staff-quarter
- On-campus day-care services
- Transportation during long working hours, clinical postings, camps etc.

- On-campus girls' hostel accommodating >1100 students
- Girls' common rooms and sanitary vending machines
- Work-from-home schemes for pregnant women; maternity leaves
- Safe campus life

c) Outreach Programs

- Women-centric initiatives through celebration of International Women's Day
- Supporting small scale self-sustaining businesses by local women
- Extensive healthcare camps/awareness programs in rural vicinity - prenatal, antenatal and postnatal health care of women, physiotherapy, dental screening, nutrition drive, menstrual health and hygiene

File Description	Documents
Upload relevant supporting document	No File Uploaded
Annual gender sensitization action plan(s)	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy plant Wheeling to the Grid energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system

Hazardous chemicals and radioactive waste management

CHARUSAT has in-house facilities for managing solid/liquid waste generated on-campus. Other wastes are disposed through agencies authorized by Gujarat Pollution Control Board (GPCB).

1. Solid Waste Management

The solid waste mainly papers, plastic, garden and food waste. Segregation of dry and wet waste is ensured through installation of separate waste-bins across the campus. The dry waste is incinerated while the wet/garden waste is used for composting. Food waste is used as cattle feed. Daily food waste is minimized through sensitization drives.

2. Liquid Waste Management

Sewage is treated through underground Integrated Wetland System (100 KLD capacity; 34 soak pits), with subsequent discharge into a pond. Healthy pond habitat is maintained by using aerators.

3. Biomedical Waste Management

This is segregated and disposed through M/s Samvedana BMW Incinerator (Unit-II), Tarapur (GPCB authorized Common Bio-Medical Waste Treatment Facility)

4. E-waste Management through authorized recycler M/s. Sai Computers, Anand

5. Waste Recycling System

Newspaper waste is recycled to make Paper Pens.

Reduced paper consumption through optimized automations in operations

Treated sewage water is used for gardening

6. Hazardous Chemicals and Radioactive Waste Management

Safely managed through GPCB authorized Transfer, Storage and Disposal Facility at Nandesari Environment Control Ltd.

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

- 1.Restricted entry of automobiles
- 2.Use of bicycles/ Battery-powered vehicles
- 3.Pedestrian-friendly pathways
- 4.Ban on use of plastic
- 5.Landscaping

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

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

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)

Initiatives and efforts to create an inclusive environment at CHARUSAT include

- Orientation program for the first-year students to facilitate cross-culture mingling between students irrespective of their identity or learning preferences as well as familiarization with university/institute/faculties/cells/centers/facilities on the campus
- Bridge courses for language familiarization and matching learning paces of students
- Elective courses on Liberal Arts to strengthen cultural sensitivity
- Freshers' and farewell parties
- Mentor-mentee system
- Celebration of regional, national and international festivals
- SPOURAL-the sports and cultural festival
- Gender equality promotion on campus
- Street-plays on cultural/regional/social harmony within

campus or in the villages adopted by university under Unnat Bharat Abhiyaan

- International Students' Cell to ensure safe and comfortable campus life for international students
- EOC, WDC, NSS unit, Grievance Redressal Cell and Students' Central Council largely oversee the inclusivity in co-curricular and extracurricular activities with-in and out-side the campus
- Study tours at various regional/national places of importance
- Volunteered free education drives and developmental activities for rural children by students and faculty; Supporting learning in mother tongue
- Infrastructure to support comfortable access of various facilities for 'divyangjan'
- One Health Approach-Activities for welfare and rescue of animals and birds by NSS volunteers

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

Pursuing its mission, CHARUSAT strives to contribute skilled, mindful and responsible young citizens towards development of the nation. Ative efforts to create awareness amongst its employees and students towards their role in development of the society, are made at three levels:

- Sensitization through curriculum and extracurricular activities: Integration of values and ethics oriented courses and Students' Council activities to inculcate sense of social responsibility
- Sensitization through celebrations:

Values

Celebration/commemorative activity organized

Unity & Integrity

National Unity Day or Rashtriya Ekta Diwas, Teachers' Day

Patriotism and enthusiasm

Independence Day, Republic Day, Shaheed Din, Constitution Day

Spirit of Equality and Brotherhood

International Women's Day, Gandhi Jayanti

Preserving composite Culture of India

Celebration of regional and religious festivals - Kite Festival, Diwali, Dhuleti and Navratri; Zaverchand Meghani Birth Anniversary Celebration

Education, Inclusivity and Values

Awareness programs on National Education Policy, Scientific/Technical skills development programs; Corona Awareness Activities; Science Fair, Daan Bhaskar Ceremonies

Additional activities to join national initiatives like Azadi ka Amrit Mahotsav, Atmanirbhar Bharat, Fit India Movement, International Yoga Day, National Literacy Mission Program, Poshan Maah

- Sensitization through services:
 - Active NSS and NCC units, Students' Council
 - Extensive rural education and healthcare drive through CHARUSAT Rural Education Development Program (CREDP), and constituent institutes

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

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events

and festivals

Celebration of national/international commemorative days/events and festivals forms an essential element of strengthening the culture of unity in diversity at CHARUSAT.

These include celebrating/organizing/commemorating occasions signifying diverse aspects and people of relevance

- **Gender Equality:** International Women's Day to signify the gender equality and celebrate the excellence of women in various areas
- **Environmental Preservation:** World Environment Day, World Ozone day, Awareness/Action events by Team Environment-CHARUSAT
- **Nationalism and Patriotism:** Independence Day, Republic Day, Constitution Day, National Science Day
- **Commemorating freedom fighters and national heroes:** Birth anniversary of Sardar Vallabhbhai Patel as National Unity Day, Dr. Sarvapalli Radhakrishnan as Teachers' Day, Zaverchand Meghani Birth Anniversary Celebration
- **Science and Technology:** celebrating discovery of Raman Effect by Sir C V Raman as National Science Day, Engineers Day, World Intellectual Property Day, National Literacy Mission Program
- **Health and Wellness:** World Organ Donation Day, International Day of Yoga, World Pharmacist's Day, World Mental Health Day, World Physiotherapy Day, World Chagas Disease Day, International Immunization Week, International Day Against on Drug Abuse and illicit trafficking, ORS Week, World No Tobacco Day, World Stroke Day, Poshan Maah, Wellness Program for students

Institutional Significance: CHARUSAT Foundation Day (28th January); Annual day

Part B

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 University

Charotar University of Science and Technology (CHARUSAT) caters diverse opportunities under the ambit of six faculties viz. Faculty of Technology and Engineering, Faculty of Pharmacy, Faculty of Computer Science & Applications, Faculty of Management Studies, Faculty of Sciences and Faculty of Medical Sciences. The curricula of various programmes are developed through a well-defined procedure considering societal needs, feedback from stakeholders, stipulation of various regulatory bodies e.g., UGC, AICTE, PCI, INC, GSCPT, competencies of aspiring graduates, prospective opportunities as well as the government initiatives e.g., Make in India, Start-Up India etc. The vision and mission of the university have relevance to the local, national and global needs which are reflected in program outcomes (PO) and course outcomes (CO). The POs are mapped with United Nations' sustainability goals, ethics, effective communication skills, etc. The specific, realistic and tangible COs are aligned with minimum one PO, to facilitate mapping. The university has identified the dynamic competencies and adopted the graduate attributes so that the graduates should possess the knowledge and skills in accordance with the prevailing industry requirements, prevailing thrust areas of research and entrepreneurial potential, with a focus to empower the graduates in solving the societal issues and serving the nation.

File Description	Documents
Upload relevant supporting document	No File Uploaded

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

55

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

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

1240

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

37

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

53

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3 - Curriculum Enrichment

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

CHARUSAT has designed student-centric curricula for all the programs in line with national and international practices, to promote self-learning, peer-learning and holistic development of the learners. The core component of courses entitled Philosophy for Life, Society, Governance & International Studies, Human Values and Professional Ethics, Contributory Personality Development, Introduction to Law and Justice in India, Pharmaceutical Jurisprudence, Advocacy in Physiotherapy, Ethics in Research, Creativity Problem Solving and Innovation, Environmental Sciences, Organizational Behaviors are directly linked with crosscutting issues relevant to Human Values, Professional Ethics, Gender Equality and Environment and Sustainability. A course entitled Sustainable developmental goals (SDG) Handprint lab offered in collaboration with Centre for Environment Education, challenges the students to understand the goals and targets in a selected geographic area and design solutions. Non-discriminative environment on campus is bolstered through Women Development Cell, Equal Opportunity Cell, Cell for Prevention of Sexual Harassment. Professional ethics including honesty, transparency, fairness and equity are inculcated through courses as well as involvement of students in financially accountable organization of diverse activities, inter-departmental teamwork, Plagiarism check and appropriate acknowledgement in academic/research writings. Students are sensitized towards human values and societal responsibilities through volunteering in social development activities by NGOs and NSS.

File Description	Documents
Upload relevant supporting document	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

17

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number 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 during the year**1795**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.4 - Number of students undertaking field projects / research projects / internships during the year**4335**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System**1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni**

- All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

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

- Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION**2.1 - Student Enrollment and Profile****2.1.1 - Demand Ratio****2.1.1.1 - Number of seats available during the year**

2813

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

464

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Unique set of skills, abilities and competencies in every student, key to their career progression, are analyzed to identify slow learners as Easy Paced Learners (EPL) and advanced learners as Fast Paced Learners (FPL). The mechanism to identify EPL and FPL involves:

1. Entry Level Competency Test
2. Admission Rank
3. Counselling Session
4. Performance in examinations

A specialized test is arranged for first semester students to identify their competencies in various areas. Its output is analyzed to counsel and groom the student through a robust-mentor system. The merit rank of the student additionally implies academic orientation and competency.

Choice Based Credit System is implemented to facilitate capacity-driven progression of both EPL and FPL. Besides, the

following special activities are conducted for advanced learners

1. Summer Research Programme
2. Expert sessions and add-on courses
3. Research Projects
4. Career guidance and aptitude building programs
5. Preparatory sessions for competitive examinations
6. Organizing workshops/seminars on scientific/technological/management advances and financial assistance to participate in such events
7. Felicitation of achievers during annual day function

Following activities are conducted for slow learners

1. Remedial classes
2. Individual academic counselling
3. Conduction of internal improvement test

Counselling by Psychologist to the needy students

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link For Additional Information	Nil

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
8583	467

File Description	Documents
Upload relevant supporting document	View File

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

CHARUSAT has adopted outcome-based education approach and student-centric methodology in teaching-learning process, while

ensuring holistic development of the students. Experiential learning, participatory learning and problem-solving methodologies are extensively used as pedagogical tools, implemented using following strategies.

Experiential Learning: Translation of classroom knowledge into practice and applications

- Extensive laboratory component in curricula and state-of-the-art lab setup
- Industrial training and visits to give exposure to the corporate/company culture
- Summer trainings, on-site trainings and clinical postings
- Training through supervised funded research projects, industrial projects and dissertation, with interdisciplinary components

Participatory Learning: Imparting management skills and problem-solving capacities

Interpersonal skills, attitude of peer-learning, time management and problem-solving capacities in students are enhanced through following pedagogical components like

- Group discussions and Group projects
- Involvement in organizing Workshops/techfests
- Assignments and presentations
- Integration of MOOCs (e.g. SWAYAM, NPTEL)
- Hackathons, technical competitions
- Online learning modules
- Role play, community visits

Problem Solving Methodologies

Case-studies from management and administration, Patient-based Case studies, Comprehensive design problems, Industrial applications and Software projects, Research problems and Solutions, Pharmacotherapy-based Case-studies are several problem-solving methodologies employed to enable students to observe, understand, evaluate, and find solutions to local/regional problems. A dedicated course on Creativity, Problem solving and Innovation is offered to all the students.

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

CHARUSAT extensively integrates use of the ICT-enabled tools with the traditional classroom education, to adopt blended learning approach. Efforts have been taken by the university to provide e-learning environment through following measures

- Classrooms and laboratories fully furnished with the multimedia projectors, digital interactive boards and writing pads
- On-campus internet speed of 1150 MBPS
- Mandatory use of LMS
- Well-trained faculty

CHARUSAT employs following ICT-enabled tools:

1. DELNET equipped CHARUSAT library for resource sharing and access to books, journals, technical reports, etc. through the OPAC
2. Collaborative LMS resources (Microsoft Teams, Edmodo, Google Classrooms)
3. Virtual and simulation labs
4. Media lab facility to create and share video lectures
5. Online quizzes and polls to record student's feedback
6. Teacher-owned/managed YouTube channels and blogs to provide a modern and accessible interface
7. Licensed use of Video Conferencing software like Zoom for interactive expert sessions
8. Promoting learning through MOOCs like NPTEL, Udemy, Coursera. CHARUSAT has purchased the license of NPTEL and has its' NPTEL Local chapter in addition to the LMS.
9. Tie-up with Coursera to offer the advanced courses to the teachers and students

Well prepared ICT infrastructure and well-trained faculty enabled smooth academic progression even during the pandemic-imposed restrictions.

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.3.3 - Ratio of students to mentor for academic and other related issues during the year**2.3.3.1 - Number of mentors**

453

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.4 - Teacher Profile and Quality**2.4.1 - Total Number of full time teachers against sanctioned posts during the year**

467

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. during the year

203

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.3 - Total teaching experience of full time teachers in the same institution during the year**2.4.3.1 - Total experience of full-time teachers**

3025

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

89

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

13

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 year

13

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

107

File Description	Documents
Upload relevant supporting document	View File

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

Evaluation is a crucial aspect of the teaching-learning process, enabling successful academic progression of students. The Examination Reform Committee continually reviews the exam management procedures and recommends IT-integrated automation for improvisation. Effective examination system is executed through IT software called e-Governance.

Continuous internal assessment conducted at Institution level involves

- Sessional examination of theory component through Unit Test, Assignment, Presentation, Case Study etc.
- Evaluation of practical component through regular lab performance, practical exam and viva-voce.

End-Semester Assessment usually is conducted through regular written paper/practical test/oral test/presentation or a combination of these.

Some of the Key Exam Reforms adopted during online/hybrid teaching

- Increased accountability of the evaluation process through "Know Your Answer Book" scheme for online exams, allowing personal verification of answer book in presence of Parents, Course Convener, Dean of the Faculty and provost nominee.
- Well-proctored Digital Paperless Examination using exam-from-home module of PEXAlite software
- Evaluation of practicals in hybrid teaching mode, through task-based examination, followed by viva-voce using Microsoft Teams
- Conduction of internal examinations through Google classrooms and dedicated storage of question papers and answer-books

Timely publication of results and issuing necessary certificates to facilitate timely placement and progression into higher studies for students.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

The institute 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

Development:

CHARUSAT has focused on intricate development of curricula involving various elements of Outcome-Based Education (OBE). Considering the recommendations from regulatory bodies (i.e., AICTE, IEEE, UGC, PCI, GSCPT) and the stakeholders, the institutes/departments have evolved respective program outcomes (POs), course outcomes (COs), program educational objectives (PEOs) as well as Program Specific Outcomes (PSOs) (for Departments under Faculty of Technology), in alignment with well-defined Vision-Mission statement

Dissemination:

The elements of OBE systems are propagated across all the stakeholders through various platforms like

- Handbooks provided to the students during orientation sessions
- Library reference records
- University Website
- Physical displays at key locations in institute/university buildings

Implementation:

The practice includes

- Preparation of lesson planning and course content analysis before commencement of every semester
- Identification and specification of instructional objectives based on Bloom's Taxonomy
- Clear description of the knowledge skills and competency expected from the students
- Mapping of COs of all courses with respective POs in fastidious manner.
- Carefully drawing question papers to evolve the attainments of COs
- Critical mapping and review of attainment of POs

The students are made aware of such practices during their regular classroom sessions, tutorial meetings and counselling sessions.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

CHARUSAT has aligned teaching-learning methodology with the outcome based education (OBE) approach. Attainment of Program Outcome (POs), Program Specific Outcome (PSOs), and Course Outcome (COs) constitute the integral part of teaching-learning process at the institutes. The attainments are also indicative of the effectiveness of academic activities.

Step 1: Defining Program Outcomes (PO) and Program Specific Outcomes (PSO)

Step 2: Defining Target level of each POs and PSOs

Step 3: Defining Course Outcomes

Step 4: Preparing Course Articulation matrix which/ maps each course with appropriate POs and PSOs.

Step 5: Evaluation of the Course Outcome is based upon data collection through following exemplary assessment.

Step 6: Attainment of COs

The attainment level is measured in terms of actual percentage of students getting set percentage of marks, as follows.

Table1: Attainment level**Level****1**

50% student scored above 60%

Level**2**

60% student scored above 60%

Level**3**

70% student scored above 60%

Step 7: Analysis and action taken based on calculated attainment level and targeted attainment level.

Total attainments of particular program for all POs or PSOs are calculated from course wise attainment in all the faculties across CHARUSAT, analyzed and action is sought for further improvement, if needed.

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.6.3 - Number of students passed during the year**2.6.3.1 - Total number of final year students who passed the university examination during the year****2308**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

https://igac.charusat.ac.in/files/SSS_AQAR_2021-22.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

CHARUSAT aims at fostering a quality research environment through

- Integration of research components across UG/PG curriculum
- Autonomy to faculty and students to pursue research in self-identified domains
- Well-structured research policy implemented through University Research Cell is uploaded on the university website. This includes
 - Promoting original research through plagiarism checks
 - Disseminating research through publications in SCOPUS/Web of Science indexed journals
 - Endeavours to obtain patents/security for inventions/innovations
 - Seed Research Grants
 - Administrative and infrastructural support to facilitate application of research grants to various funding agencies, with a support upto 30% of equipment grant for every sanctioned projects.
 - Financial support to researchers to participate in conference/workshops
 - Fellowships for UG, PG, doctoral and postdoctoral students

- Consideration of research endeavours for career advancement of teachers
 - Research paper awards
 - Institutional Ethics Committee
 - Endowment Chair funds
- Developing research facilities through institutionalization and upgrade of
 - Dedicated research centres like Dr. K C Patel R & D Centre, CHARUSAT Space research Centre, NABL accredited labs for Oil & Environment, International Centre for Cosmology, Centre of Excellence in AI, Sophisticated Instrumentation Labs, Supercomputing facilities
 - Regular infrastructure audit and policy to update the existing or replace the outdated equipment

File Description	Documents
Upload relevant supporting document	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

33.38

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

21

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research Central Instrumentation Centre Animal House/Green House Museum Media laboratory/Studios Business Lab Research/Statistical Databases Moot court Theatre Art Gallery

A. Any 4 or more of the above

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

6

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year (INR in Lakhs)

5.38

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

174.99

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

22

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

CHARUSAT envisages to contribute successful job creators to the society. Entrepreneurship Development and Incubation Cell (EDIC) was established to create necessary eco-system for entrepreneurship and innovations. Through a range of initiatives, focused approach, collaborations as well as diverse support from Government of Gujarat, EDIC subsequently setup a CHARUSATSTARTUPANDINNOVATIONCENTRE in December 2020. Two student start-ups were supported in 2020-21 under the Student Startup and Innovation Policy (SSIP) initiated by Gujarat Knowledge Society, Commissionerate of Technical Education, Govt. of Gujarat,

Following major activities have been carried out under its aegis

- Training Program was organized for trainers/ researchers of Indian Academy for Self Employed Women -(IASEWA) unit of SEWA during March 01, 2021, to March 08, 2021
- Offered an International Online Certificate Program for Business Professionals on Agri - Business Entrepreneurship during March 05, 2021 to August 22, 2021
- Organized a Business Plan Development Workshop in Webinar Series mode for Pharma Professionals during September 25

to October 09, 2020

- Organized a workshop on Business Plan Development (Six-day value added e-Course on Entrepreneurship) during January 25-30, 2021

Nine Entrepreneurship Awareness Workshop (EAW) were organized for different programs like Engineering, BBA, MBA, Physiotherapy etc

File Description	Documents
Upload relevant supporting document	No File Uploaded

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

146

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

146

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

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

269

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following

- 1. Inclusion of research ethics in the research methodology course work**
- 2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)**
- 3. Plagiarism check**
- 4. Research Advisory Committee**

A. All of the above

File Description	Documents
Upload relevant supporting document	View File

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

B. Any 3 of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

44

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year

0.53

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

73

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

C. Any 3 of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index

in Scopus/ Web of Science/PubMed

Scopus	Web of Science
37943	NA

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	No File Uploaded

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

Scopus	Web of Science
59	Nil

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
Any additional information	No File Uploaded

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

Strengthening Industry-Academica Interface is a major focus area at CHARUSAT towards becoming a research-driven academia. The University has engaged in consultancy with industries, peer organizations and other stakeholders of the society including partnered investment of intellectual and infrastructural capacity to provide solutions to a problem, validate/develop/improve a process or a product, offer a coursework or part thereof in organizations other than University, develop curricula for establishing new courses etc.

A well-defined University Policy segregates diverse consultancy initiatives into three broad categories viz

1. Individual Consultancy

2. Departmental Consultancy
3. Institutional Consultancy

The mechanism to enter into an agreement involves

- Proposal submission
- Review and discussion in the presence of university authorities and Industry client
- Mutual agreement of terms and conditions
- Implementation

This mechanism ensures that the academic community and the university are not subjected to financial and other risks, such as a conflict of interest.

Researchers/Faculty members are encouraged to involve in consultancy, through a liberal and mutual benefit sharing policy; 70% to be disbursed for Intellectual Inputs and 30% is with the university.

A designated University Industry Interaction Cell (UIIC) is established to facilitate collaboration amongst academicians, scientists, and industry.

File Description	Documents
Upload relevant supporting document	No File Uploaded

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

85.45

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year

CHARUSAT is driven to make extensive endeavours to drive desired impact on society and sensitise students towards the role of youth as responsible citizens in sustainable development through major activities like Health, Education and Nature Awareness Drives, Social Awareness Drives, Civic Awareness Drive and many more. CHARUSAT under its extension activity units- CREDP and NSS- organizes various activities including celebration/observation of Independence Day, Republic Day, International Day of Yoga, Constitution Day, Gandhi Jayanti, Sardar Jayanti, Annual NSS Camps etc. Nature Awareness drives encompasses volunteers involved in tree plantation on campus and nearby villages, spreading awareness about importance of water, saving injured birds, animals, etc. Under Health Awareness Drives activities like cleanliness drives/health awareness programs focusing on personal hygiene, sanitation, menstrual hygiene etc. in villages adopted under Unnat Bharat Abhiyan and other vicinity, have positively influenced the attitude and conduct of students, rural community, local vendors etc. These activities are also an attempt to align with the Swatchh Bharat Abhiyaan. The NSS/CREDP units have extensively collaborated with local government bodies to ensure implementation of Covid protocols and lockdown measures. These programmes/activities have brought about a remarkable change in the outlook and attitude of students and community towards life and society.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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 year

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

16

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

96

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

3465

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

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

18

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year

19

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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.

The university has actively engaged in creating and upgrading infrastructural facilities to ensure teaching-learning process of best standards while adhering with the recommendations by various state and national level statutory bodies.

. This includes

- 151 air-conditioned classrooms including seminar halls
- Classrooms integrated with modern ICT facilities to enable use of multiple pedagogical methods
- Easy access of classrooms/labs and other learning centres for differently abled individuals
- Over 3500 computers and 1150 mbps internet connectivity on-campus; with Cloud ready infrastructure

The university houses well-equipped laboratories to facilitate skill development and experiential learning for students including but not limiting to

- SUPERCOMPUTER granted by the Government of Gujarat
- Super Microserver to enhance computational infrastructure
- Laboratories developed under SERB-DST/DBT funded research projects
- Pneumatics system, Hydraulic system and Modular production system with three MPS stations
- Artificial Intelligence Lab, Mobile/IoT Research Lab
- Robotics/Virtual Reality/Augmented Reality Research Lab
- NABL accredited Environmental Engineering Lab

- CHARUSAT Sophos Information Security & Research Lab
- Human motion analysis and research lab
- Computer Assisted Learning Laboratory (CALL)
- Exercise and fitness testing laboratory
- Aseptic Laboratory/Cell culture Lab
- Animal house for preclinical Research
- Pharmacognosy Drug Museum and Herbal Garden
- Tinkering Lab
- Nursing Foundation lab
- B.I.C. Engines Lab

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

CHARUSAT has extensive facilities to promote sports and cultural activities among students. The university has two playgrounds with a total area of 32,434 square meter (sqm) and two gymnasiums (275+180 sqm) with modern fitness equipment. Existing playgrounds are equipped for sports like Cricket, Football, Handball, basketball, Athletics, Volleyball, Kabaddi and Kho-Kho. Another playground with a size of 10,652 sqm have been proposed for development in near future.

Two Open-air theatres and nine auditoria located at various constituent institutes are used to organize various cultural events. These facilities were utilized for training, practice and inter and intra university competitions; two major ones being a week-long annual event 'SPOURAL' and 'VRUND'-The garba festival. Considering the mass participation involved, these celebrations have been avoided in the AY2020-2021 on account of pandemic guidelines

The university actively encourages and facilitates practicing Yoga and meditation. Dedicated yoga sessions are conducted for students, staff and the neighborhood community through in-house experts. A unique initiative called 'Yog Nrutya' was undertaken, to orient people towards yoga and fitness through practicing aerobics in the form of dance.

The university thus increasingly focuses on spiritual, physical and cultural wellbeing by promoting mindfulness, fitness and recreation.

File Description	Documents
Upload relevant supporting document	No File Uploaded

4.1.3 - Availability of general campus facilities and overall ambience

The general campus facilities include

- Fully furnished Principal's/HoD's/Dean's office for every institute, office rooms for University executives with interiors, furniture and fixtures. All offices and staff rooms are provided with separate restrooms
- Common Rooms (for boys and girls) with attached restrooms, lockers with furniture.
- Specialised facility for physically challenged persons includes specially equipped restrooms, ramps and lift.
- Outdoor and Indoor sports, fitness and recreation facilities
- Open-air theatres and Auditoria across all institutes
- Multiple food & beverage joints, canteens
- On-campus ATM and banking facility
- Well-guarded campus entrance
- Girls Hostel and mess
- Souvenir and general stores
- Parking area and pedestal walkways
- Water storage tanks and reservoirs
- Staff quarters
- Workshop

The overall ambience of the university campus is largely serene owing to a lush green layout and the farm-clad surroundings. The institute buildings are well-designed to surround a central courtyard. Cleanliness and ambience are maintained through dedicated housekeeping and gardening contracts along with the policies promoting environment-friendly practices from students and staff. A dedicated security team, supported by university policy also promotes a traffic-free environment. Utmost care is also administered to preserve the natural biodiversity and ecosystem across the campus.

File Description	Documents
Upload relevant supporting document	No File Uploaded

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the

year (INR in Lakhs)

1741.29

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

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

CHARUSAT houses a central library as well as institutional libraries, enriched through institutional membership of DELNET, IIM-A, AMA, British Council Library, and AIMA, the benefits of which are accessible to over 8000 users. The library resources include books, rare books, e-journals, periodicals, CDs/DVDs/Floppies, Course Packs from IIM, Case studies, project reports and theses.

Cataloguing and acquisition of these are managed through SOUL 2.0, an integrated library management software, compliant to international standards. RFID and bar-coding system are used to computerize the bibliographic details of the resources.

Remote access to the library resources is provided through 'On Desktop Facility'. Librarians provide document delivery service digitally to selected students, research scholars and staffs on request.

Access of library resources to differently-abled users is facilitated through software like ABBY FineReader and NVDA, and E-Reader Instruments as well as doorstep services upon request.

Digitization Facility:

The University has D-Space (CHARUNIDHI) to build and update Institutional repository of research papers, theses as well as the collection of University Newsletter-CHARUSAT Comet, Journal published by University, memorial lectures, Convocation Addresses of Chief Guests, and newsletters of the patron organization. Through Cloud-based digitized services, Newspaper Clippings, Exam papers, Rare Books are also digitized for access through intranet.

File Description	Documents
Upload relevant supporting document	No File Uploaded

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases	A. Any 4 or all of the above
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File Description	Documents
Upload relevant supporting document	View File

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

240.38

File Description	Documents
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Upload relevant supporting document	View File

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

985

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

141

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

CHARUSAT primarily formulates and executes its IT policy through Wireless information and networking cell (WINCELL). WINCELL has established Cloud Ready Central Setup facilities and manages central IT services like Internet, e-mail, e-governance and other departmental/institutional servers.

Networking Policy

- Fibre, Ethernet and Wireless connectivity across the campus
- Modern network technology and equipment are procured, utilized efficiently and upgraded

Data Centre, Cloud Computing and Server Policy

- Management of IT services and portals by a Central Data Centre with cloud-ready infrastructure connected to Central Storage Area Network (SAN) and redundant power supply having fibre optic connectivity
- Incremental and full backup for all the server database

Cyber and Security Policy

- Gateway level firewall commissioned to protect WAN traffic
- Discrete usage procedures for different user-levels, with personalized login
- Annual internet bandwidth upgrade
- Regular monitoring of internet surfing reports
- Controlled social media access
- Antivirus solution to protect against computer viruses

Email Policy

- Separate proprietary email domains for students and staff
- Well-designed grouping for efficient email communication

Updating IT facilities

- Regular review of Data Centre considering technological updates and suitable allocation of budget
- Plan to replace conventional racks with smart rack at budgetary cost of Rs. 65 lacs.

Technology to incorporate energy-efficient utilization

File Description	Documents
Upload relevant supporting document	No File Uploaded

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
8632	3605

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

• 1 GBPS

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

A. All of the above

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year**

5018.36

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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.

CHARUSAT has Infrastructure Development and Maintenance Section (IDMS) comprising technical and administrative staff oversees (1) New Development and (2) Maintenance of buildings/class-rooms/laboratories and other facilities including emergency set-ups like sanitization tunnels. Institute-wise IDM committees are constituted to facilitate coordinated execution of maintenance activities.

Up-to-date records of preventive maintenance, breakdown maintenance, and log book of machines/equipment are maintained by the Institutes. Interdepartmental verification of stock is carried at the end of every year and the missing/damaged items are written-off. Sophisticated equipment is covered under annual maintenance contract. Budgeted provision of 10-15% of Capital Related Expenditure is made each year for Maintenance expense.

The IT services and computational facilities are maintained by Wireless Information and Networking Cell (WINCell) through a dedicated policy.

Classrooms/Laboratories are effectively utilized as per timetables designed by each department/institute. Good Laboratory Practices are followed for correct utilization of lab equipment. Ventilation, aseptic area, fire extinguisher etc ensure safe utilization of facility.

A library committee is responsible for policy framing, implementation, monitoring and developmental aspects of the library. The maintenance of the library is practiced through yearly audits.

Dedicated staff in Sports and cultural section is allocated for regular upkeep of sports and gymnasium facilities.

File Description	Documents
Upload relevant supporting document	No File Uploaded

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other

than the students receiving scholarships under the government schemes for reserved categories)

2795

File Description	Documents
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5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

4421

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

• All of the above

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

472

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

5.2.2 - Total number of placement of outgoing students during the year

1179

File Description	Documents
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Upload relevant supporting document	No File Uploaded

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

843

File Description	Documents
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Upload relevant supporting document	No File Uploaded

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 year

44

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Students Council at CHARUSAT represents the Student Community in curricular, co- and extra-curricular initiatives for student welfare and institutional development. It comprises of student volunteers selected across all institutes and functions with the following objectives

Objectives

1. To promote and propagate life values in students.
2. To develop leadership skills, organizational skills and collaborative skills among students.
3. To enhance interaction among students of different faculties as well as within their own faculty.
4. To organize all-rounded co-curricular and extracurricular activities at Intra University and Inter University levels.
5. To raise awareness and encourage involvement in co-curricular and extracurricular activities among students.
6. To organize a variety of activities for holistic personality development of students.
7. To explore and bring out students potential and talents to the fullest.

Major activities by Student Council in AY2021-22

- Orientation Session for first year students
- Farewell Function
- Alumni Meet
- Annual Day
- Foundation Day
- Science Manthan
- Teachers Day
- Engineers Day
- National Science Day
- Independence Day

- Republic Day

Suggestions received from the council regarding sports/cultural facilities, event organization processes, academic improvisations etc, have been reviewed for needful consideration.

File Description	Documents
Upload relevant supporting document	No File Uploaded

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

76

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 during the year

CHARUSAT Alumni Association (CAA) has been registered as a public trust at ANAND PRADESH, ANAND, as per year 1950 Mumbai Public Trust Act (Registration number: "F/1819/ANAND"). A total of 11,162 alumni are registered and connected on the CHARUSAT Alumni portal (<https://charusatalumni.org/>)

CHARUSAT Alumni contributions and achievements

- Built worldwide reputation for the university through their remarkable performances have and achievements in their respective areas worldwide.
- Recruited at senior positions in many multinational companies and provide better opportunities to our existing students in training and job aspects
- Motivate the existing students as speakers, experts and guest lecturers
- Sponsored various technical and non-technical events (workshops and conferences) organized by the university.
- Provide active feedback for academic and infrastructural enrichment

- Active interface with alma matter as member of university IQAC, Visiting Faculty members, member for Area Advisory Board, involvement in Mentor-Mentee program
- Share lateral job posting for fellow alumni on the Alumni platform
- Donations of funds and resources like books in CHARUSAT library

Regular alumni meets occur twice a year (institutes) and annually (university level) to continually strengthen the alumni interactions.

File Description	Documents
Upload relevant supporting document	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs) **A. ? 5Lakhs**

File Description	Documents
Upload relevant supporting document	View File

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

CHARUSAT functions on four core values- honesty, integrity, transparency and social responsibility. The Vision and Mission statements of CHARUSAT are

Vision:

To become a dynamic global institution in a knowledge driven world through excellence in teaching, research and social contributions

Mission:

To serve society by striving to transform it through creation, augmentation, dissemination and perpetuation of knowledge

The key performance areas are

Academic excellence

- Semester-based programs through Choice Based Credit System
- Curricula aligned with national/international standards and needs
- Continuous refinement through feedback from stakeholders
- Emphasis on Outcome-Based Education through student-centric pedagogical innovations and faculty upskilling
- Regular exam reforms and automation
- Holistic development of students through mentor-mentee system

Research-driven empowerment of academics and society

- Well-structured policies for implementation of research projects, publications in national/international journals, IP security, consultancy
- Supporting Start-up and Innovation from students/faculty

Community services

- Adoption of villages under Unnat Bharat Abhiyaan
- Free primary education, affordable healthcare services and upgrading the civic substructure in near vicinity
- Infrastructural/research/academic practices inclined towards environmental sustainability

Governance: Transparent accountancy; No capitation fees/hidden costs to students, UGC pay scales, regular audits; involvement of Industrialists/academicians/philanthropists in Board of Management/Governing Body

Thus, CHARUSAT espouses and practices its mission and endeavours to follow its vision.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

CHARUSAT pursues inclusive growth by involving all employees in decision-making processes like recruitment, finance/purchases, admissions, infrastructural development, curricula development/transaction/assessment. Feedback from all stakeholders is actively considered to strengthen these dimensions.

1. Functional autonomy at the level of curricula development, transaction and assessment

Faculty members are given autonomy in curricula design, pedagogy, and components of continuous assessment. Curricular enrichment and pedagogical innovations are based on comprehensive analysis of feedback from various stakeholders.

2. Empowerment of the employees.

Faculty members are empowered to gain individual-centric professional development through

- autonomy to decide their respective goals and key performance areas (KPA) which are then appraised vis-à-vis self-appraisals
- autonomy to define research pursuits
- autonomy to procure equipment/software/books/other resources
- Facilitation to pursue PhD, with scholarships
- support to upgrade their knowledge in chosen domain and skills through training in industries/industrial sectors of their choice

Participative management:

Involvement of stakeholders like employers, industry, academia, scientists etc. as members in bodies like BoS, Faculty Board, Academic Council, Board of Management, Governing Body, recruitment panels etc. This facilitates efficient interaction with university officials like Provost, Registrar, Deans,

Principals, HoDs. Teachers and lab technicians also participate in the purchase process. Students also participate in managing various institutional activities.

File Description	Documents
Upload relevant supporting document	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

CHARUSAT aspires to establish itself a leading national university and to realize this vision the university has developed and effectively implemented its five-year vision plans since its inception.

The Strategic Plan of CHARUSAT elaborates strategic action plans aligned with its vision, its past accomplishments, its strengths and resources, and challenges. The challenges identified by CHARUSAT are:

- Government Policies and (Lack of) Autonomy
- Competition and increasing the Brand Equity
- Resource Generation
- Reconciling Autonomy with Quality Enhancement
- Affordability of Higher Education to common mass
- Digital/ICT initiatives and ensuing disruption
- Availability and retention of outstanding faculty

The plan is being achieved by focusing on Research, Development and Innovation; Teaching, Learning and Assessment; and Extension and Community Service as the Core PerformanceAreas through Good Governance, Infrastructure, Faculty Competence and Student Talent as Core Capacity Dimensions.

Major initiatives towards its implementation are

1. Nation-wide advertisement for faculty recruitment,
2. Preferred appointment of PhD-qualified faculty with

evident research output

3. Stake of students' feedback of faculty in annual performance appraisal
4. Human resource development through fostering attitude/knowledge enhancement/skill polishing
5. Research promotion through administrative, financial and infrastructural support under progressive research policies implemented by University Research Cell.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

The University has well-linked organizational structure to facilitate participative decision making and execution.

For academic and research aspect, Board of Studies, Faculty Boards, Research Council and Academic Council are in place. For other aspects University Industry Interaction Cell (UIIC), CHARUSAT Rural Education Development Program (CREDP), Career Development and Placement Cell (CDPC) are in place. Advisory Boards, HR Committee and Finance Committee are also well functional. Decision of all these are discussed in Board of Management. The decisions of Board of Management are ultimately taken up in Governing Body. The approach is both ways: top-down and bottom up. This approach ensures fast, efficient and effective decision making.

File Description	Documents
Upload relevant supporting document	No File Uploaded

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation

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

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Performance Based Appraisal System (PBAS) is designed in consonance with UGC; mainly based on self-appraisals vis-à-vis self-set annual goals. The performance assessment process for teachers involves

1. Self-assessment of annual performance in a structure proforma including following components

- Teaching-Learning-Evaluation related inputs
- Professional Development, Co-Curricular and Extension Activities
- Research contributions
- Students' feedback

2. One-on-one interactions with university-nominated panel

3. Sharing performance feedback and evaluation through formal communication

Career Advancement/Promotion scheme (CAS) for teachers is facilitated as under

- Submission of application after achieving desired qualifications (i) completing required years of experience (ii) obtaining Academic Performance Indicator (API) scores
- Granting CAS promotion based on recommendation of Screening cum Evaluation Committee

Performance appraisal/promotion of non-teaching staff is based on decided structure of their job profiles.

Effective welfare measures for teaching/non-teaching employees**1. Allowances and Benefits as per Government Norms:**

- Dearness/Travelling/Medical Allowances
- Gratuity/Employee Provident Fund
- Leave Encashment
- Maternity/Paternity/Sabbatical Leave

1. Opportunities for Self-Development:

- Facilitating higher study
- Financial assistance for career progression initiatives
- IELTS/APTIS Coaching
- Appreciations and felicitations in university-level functions
- Access to fitness facility

1. Other Initiatives

- Medical Services at CHARUSAT hospital and insurance
- CHARUSAT Employees Consumer Co-operative Society Ltd.
- Day-care facility
- Fees Waiver/Financial aid schemes for Children/Spouse of CHARUSAT Employees

On-campus banking services

File Description	Documents
Upload relevant supporting document	No File Uploaded

6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year**81**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

79

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

282

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4 - Financial Management and Resource Mobilization

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

Being an unaided institution, fund mobilization and its optimum utilization becomes a crucial aspect of resource management. Major strategies deployed towards the same are as follows:

Financial resources mobilization through

- Philanthropic donations
- Fees (as regulated through Fee Regulatory Committee)
- Government agencies funding for research projects, travel grants, organization of scientific/technical events
- Endowment Funds
- Consultancy/Industrial Projects
- Testing/Analytical services
- Stakeholders and associates for organizing various co-/extra-curricular activities

Well defined strategies for optimal utilization of resources include

- Annual consultative financial budgeting and its quarterly review through Financial Committee
- Internal and external audits by professional CAs
- Financial transactions based on Makers-Checkers concept

- Standard financial accounting practices
- Institute-level and University-level purchase committees for procurement of equipment/supporting infrastructure
- Maintenance through AMCs and utilization audited through faculty in-charges and university-level committees
- Purchase of chemicals and consumables is managed through e-governance via annual rate contracts
- Usage optimization of instrumentation facility to users outside campus and regular training sessions for teachers and students
- Usage of infrastructure through booking and scheduling through requisition channel

Utilization of resources received in kind e.g., books, software, hardware, equipment and lab consumables for academic enhancement

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

00

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

141.35

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.4 - Institution conducts internal and external financial audits regularly

CHARUSAT has the mechanism of Internal and External Audit.

Internal Audit is performed by the Internal Auditor for all the transactions of the University. The External Audit is undertaken quarterly by the Statutory Auditor. Both the auditors are qualified chartered accountants.

The audited Accounts of the University are prepared within 10 days after 31st March of each Financial Year. As a result of Accurate and Precise Accounting, there have been no major audit objections.

The finance committee appropriately considers audit remarks if any. The internal audit remarks are immediately addressed and the external auditors audit report is considered at the end of financial year

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

CHARUSAT-IQAC primes the growth of HEI through institutionalization of quality culture across academics, research, administration and extension services, through planning, monitoring, reviewing, refining and reforming the quality dimensions and their benchmarking.

IQAC functions and Key Contributions

Benchmarking:

- Academic and Administrative Audit through external experts
- Institutional Ranking/Rating- NIRF, GSIRF
- Submitting the action plan for CoE status

Academic Enrichment:

- Review and strengthening of Outcome Based Education (OBE)
- Creating awareness and mapping the readiness for NEP-2020
 - Expert talk on 'Remodeling the Universities in the

Light of NEP-2020'

- Presentations and interactions with GoG

Research:

- Policy recommendations to University Research Cell to encourage on-campus research
- Participating at 2022-ACU measures supporting research survey

Governance:

- Strengthening in-house developed e-Governance-introduction of lesson planning and accreditation modules
- Charting CHARUSAT Strategic Plan and its Execution
- HR development- Policies and practices for annual appraisals, promotions and welfare
- Recommendations on University operations
 - Reconstitution of CHARUSAT Discipline Committee to form 'CHARUSAT Campus Discipline & Surveillance Committee'
 - Overall strengthening of students' section, academic hierarchy, research, infrastructure

Values and Practices

- Evolution of institutional best practices
- United Nations Academic Impact (UNAI) membership

Capacity building

- Faculty Development Program on OBE
- Initiatives to institutionalize Association of Indian Universities (AIU) Awards for students and faculty members
- Support and assistance to peer Universities for adopting quality practices

File Description	Documents
Upload relevant supporting document	No File Uploaded

6.5.2 - Institution has adopted the following for Quality assurance Academic

A. Any 5 or all of the above

Administrative Audit (AAA) and follow up action taken Conferences, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and students Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

Specific Post-accreditation initiatives

- Monitoring and review of quality benchmarks; and participation in ranking/ rating processes
- Consolidating the implementation of Outcome-Based Education and CBCS
- Academic & Administrative Audit conducted through external experts
- Skill-based courses for enhancing students' employability and NEP-2020 oriented initiatives endorsed and promoted through AAA 2021-22
- Adjunct and visiting faculty members from reputed institutes/industries inducted
- Incepting a not-for-profit company namely "CHARUSAT Innovative Ventures Foundation (CIVF) to strengthen the startup and incubation activities
- Undertaken the development of short-term and long-term perspective plan and strategic plans for growth and development of university
- IQAC practices increasingly formalized; Recommendations on strengthening/ reconfiguring the academic, HR and administrative functions, students' section and research cell
- Recommending re-constitution of CHARUSAT Discipline Committee to strengthen the implementation of Code of Conduct

- Executive Programmes are enhanced to mobilize financial resource
- Alumni increasingly engaged in organizing placement-related activities, industrial trainings, internships for UG/PG students
- Industry-academia interface strengthened through collaborative research projects/industry-designed projects/consultancies/infrastructural augmentation
- Increased inclusion of industry representatives in academic boards and increased involvement of students in institutional management
- Upgrading ICT-driven processes on-campus; strengthened e-Governance

File Description	Documents
Upload relevant supporting document	No File Uploaded

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 year

The university prioritizes gender equality with highest ethical standards. It harbours ~50% density of female employees and students owing to an inclusive and empowering work culture offering equal rights, access to resources, opportunities and security, regardless of gender. This is ensured through

I. Women's Development Cell

II. Equal Opportunity Cell

III. Grievance Redressal Cell

IV. Cell for the Prevention of Sexual Harassment

V. Anti-Ragging Committee

VI. Students' Council

VII. Gender-sensitive HR policies including gender-independent employee

recruitment

Measures initiated**a) Awareness and Sensitization Programmes**

- Gender equity promotion through poster-creating contests, quizzes, expert talks, seminars, workshops, essay/poetry writing competitions
- Sensitization through legal education/redressal, conflict resolution

b) Special Support for females

- Prioritizing women in allocation of staff-quarter
- On-campus day-care services
- Transportation during long working hours, clinical postings, camps etc.
- On-campus girls' hostel accommodating >1100 students
- Girls' common rooms and sanitary vending machines
- Work-from-home schemes for pregnant women; maternity leaves
- Safe campus life

c) Outreach Programs

- Women-centric initiatives through celebration of International Women's Day
- Supporting small scale self-sustaining businesses by local women
- Extensive healthcare camps/awareness programs in rural vicinity - prenatal, antenatal and postnatal health care of women, physiotherapy, dental screening, nutrition drive, menstrual health and hygiene

File Description	Documents
Upload relevant supporting document	No File Uploaded
Annual gender sensitization action plan(s)	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

CHARUSAT has in-house facilities for managing solid/liquid waste generated on-campus. Other wastes are disposed through agencies authorized by Gujarat Pollution Control Board (GPCB).

1. Solid Waste Management

The solid waste mainly papers, plastic, garden and food waste. Segregation of dry and wet waste is ensured through installation of separate waste-bins across the campus. The dry waste is incinerated while the wet/garden waste is used for composting. Food waste is used as cattle feed. Daily food waste is minimized through sensitization drives.

2. Liquid Waste Management

Sewage is treated through underground Integrated Wetland System

(100 KLD capacity; 34 soak pits), with subsequent discharge into a pond. Healthy pond habitat is maintained by using aerators.

3. Biomedical Waste Management

This is segregated and disposed through M/s Samvedana BMW Incinerator (Unit-II), Tarapur (GPCB authorized Common Bio-Medical Waste Treatment Facility)

4. E-waste Management through authorized recycler M/s. Sai Computers, Anand

5. Waste Recycling System

Newspaper waste is recycled to make Paper Pens.

Reduced paper consumption through optimized automations in operations

Treated sewage water is used for gardening

6. Hazardous Chemicals and Radioactive Waste Management

Safely managed through GPCB authorized Transfer, Storage and Disposal Facility at Nandesari Environment Control Ltd.

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1.Restricted entry of automobiles 2.Use of bicycles/ Battery-powered vehicles 3.Pedestrian-friendly pathways 4.Ban on use of plastic 5.Landscaping 	A. Any 4 or All of the above
File Description	Documents
Upload relevant supporting document	No File Uploaded
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: <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 promotional activities 	A. Any 4 or all of the above
File Description	Documents
Upload relevant supporting document	No File Uploaded
7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software,mechanized equipment, etc. Provision for enquiry and information:	A. Any 4 or all of the above

Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)

Initiatives and efforts to create an inclusive environment at CHARUSAT include

- Orientation program for the first-year students to facilitate cross-culture mingling between students irrespective of their identity or learning preferences as well as familiarization with university/institute/faculties/cells/centers/facilities on the campus
- Bridge courses for language familiarization and matching learning paces of students
- Elective courses on Liberal Arts to strengthen cultural sensitivity
- Freshers' and farewell parties
- Mentor-mentee system
- Celebration of regional, national and international festivals
- SPOURAL-the sports and cultural festival
- Gender equality promotion on campus
- Street-plays on cultural/regional/social harmony within campus or in the villages adopted by university under Unnat Bharat Abhiyaan
- International Students' Cell to ensure safe and comfortable campus life for international students
- EOC, WDC, NSS unit, Grievance Redressal Cell and Students' Central Council largely oversee the inclusivity in co-curricular and extracurricular activities with-in and out-side the campus
- Study tours at various regional/national places of importance
- Volunteered free education drives and developmental activities for rural children by students and faculty; Supporting learning in mother tongue
- Infrastructure to support comfortable access of various

facilities for 'divyangjan'

- One Health Approach-Activities for welfare and rescue of animals and birds by NSS volunteers

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

Pursuing its mission, CHARUSAT strives to contribute skilled, mindful and responsible young citizens towards development of the nation. Active efforts to create awareness amongst its employees and students towards their role in development of the society, are made at three levels:

- Sensitization through curriculum and extracurricular activities: Integration of values and ethics oriented courses and Students' Council activities to inculcate sense of social responsibility
- Sensitization through celebrations:

Values

Celebration/commemorative activity organized

Unity & Integrity

National Unity Day or Rashtriya Ekta Diwas, Teachers' Day

Patriotism and enthusiasm

Independence Day, Republic Day, Shaheed Din, Constitution Day

Spirit of Equality and Brotherhood

International Women's Day, Gandhi Jayanti

Preserving composite Culture of India

Celebration of regional and religious festivals - Kite Festival, Diwali, Dhuleti and Navratri; Zaverchand Meghani Birth Anniversary Celebration

Education, Inclusivity and Values

Awareness programs on National Education Policy, Scientific/Technical skills development programs; Corona Awareness Activities; Science Fair, Daan Bhaskar Ceremonies

Additional activities to join national initiatives like Azadi Ka Amrit Mahotsav, Atmanirbhar Bharat, Fit India Movement, International Yoga Day, National Literacy Mission Program, Poshan Maah

- Sensitization through services:
 - Active NSS and NCC units, Students' Council
 - Extensive rural education and healthcare drive through CHARUSAT Rural Education Development Program (CREDP), and constituent institutes

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

All of the above

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Celebration of national/international commemorative days/events and festivals forms an essential element of strengthening the culture of unity in diversity at CHARUSAT.

These include celebrating/organizing/commemorating occasions signifying diverse aspects and people of relevance

- Gender Equality: International Women's Day to signify the gender equality and celebrate the excellence of women in various areas
- Environmental Preservation: World Environment Day, World

Ozone day, Awareness/Action events by Team Environment-CHARUSAT

- Nationalism and Patriotism: Independence Day, Republic Day, Constitution Day, National Science Day
- Commemorating freedom fighters and national heroes: Birth anniversary of Sardar Vallabhbhai Patel as National Unity Day, Dr. Sarvapalli Radhakrishnan as Teachers' Day, Zaverchand Meghani Birth Anniversary Celebration
- Science and Technology: celebrating discovery of Raman Effect by Sir C V Raman as National Science Day, Engineers Day, World Intellectual Property Day, National Literacy Mission Program
- Health and Wellness: World Organ Donation Day, International Day of Yoga, World Pharmacist's Day, World Mental Health Day, World Physiotherapy Day, World Chagas Disease Day, International Immunization Week, International Day Against on Drug Abuse and illicit trafficking, ORS Week, World No Tobacco Day, World Stroke Day, Poshan Maah, Wellness Program for students

Institutional Significance: CHARUSAT Foundation Day (28th January); Annual day

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

Unique courses to embed multidisciplinary in academic programs
The objectives of integrating unique multidisciplinary courses are to create a student-centric curriculum, nurture well-rounded graduates, and impart a holistic education that addresses real-world challenges through diverse perspectives and community engagement. CHARUSAT strives for educational excellence through quality academic, research, and social contributions. To achieve this, it continually evolves its teaching-learning practices by innovating curricula. These curricula combine locally/globally relevant scientific/technical fundamentals with multidisciplinary courses, projects, and extra-curricular activities. Opportunities extend to the environment, humanities, community services, and value-based education, allowing students to shape

their professional and holistic potential. This approach aligns with NEP-2020 and the 'Curriculum and Credit Framework for Undergraduate Programs' recommended by UGC in 2022. Both endorse multidisciplinary education and emphasize dynamic curricula offering ample opportunities for students to choose courses that enhance their employability while pursuing academic and personal goals. CHARUSAT's integration of unique multidisciplinary courses into academic programs aims to create a student-centric learning environment. It nurtures well-rounded graduates equipped to tackle real-world challenges with a multidimensional approach. Further details of the best practice can be obtained from the link:<https://iqac.charusat.ac.in/Best%20Practices.php>

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

CHARUSAT has increasingly adopted the approach of research-driven teaching-learning and societal development. Qualified, trained, and self-motivated human resource including faculty members, doctoral and post-doctoral students are key contributors to the research environment. 45% faculty members are PhD qualified; their research outputs are encouraged through career advancements. About 50% of faculty members at CHARUSAT are pursuing PhD. 31 faculty members have been supported through CHARUSAT seed grants worth 33.38 lacs. Dr. K C Patel Research and Development Centre (KRADLE) has successfully executed 13 projects worth >23 lacs INR. Through these all-round inputs, CHARUSAT have translated into more than 250 research publications, ~27 industrial consultancy projects worth >77 Lakhs successfully implemented on campus, 38 MoUs for diverse research activities, total 11 patents (published and granted), 11 faculty members receiving fellowship/ financial grants, and over 146 research-oriented events organized to augment the research network. Research & extension initiatives are also focussed on healthcare deliverables to improve quality of life in rural vicinity, including health surveys & camps in collaboration with Government of Gujarat and infrastructural setup like Covid care centre and Molecular Diagnostic lab. CHARUSAT has 3 researchers appearing in top 2% most-quoted scientists of the world while one elected as TWAS fellow.

7.3.2 - Plan of action for the next academic year

1. Apply for NIRF 2023 ranking.
2. Take further corrective actions and implementation of the

suggestions under the observation report of the NAAC Peer Team.

3. Aligning curriculum and pedagogy with NEP 2020 policy.
4. Strengthen and expand alumni association and associated activities.
5. Review existing University policies, its implementation and amendment.
6. Enhancement of schemes for awards/incentives for staff and faculty members.
7. Enhance the quality of research publications.
8. Strengthen student capability enhancement and development scheme.
9. Encourage and promote interdisciplinary learning and research.
10. Enhance industrial consultancies and government funding in thrust areas of research.