YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution   DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT

- Name of the Head of the institution   DR. M. RAVISHANKAR

- Designation   PRINCIPAL

- Does the institution function from its own campus?   Yes

- Phone no./Alternate phone no.   08028432999

- Mobile no   8884014465

- Registered e-mail   principaldsatm@gmail.com

- Alternate e-mail   principal@dsatm.edu.in

- Address   Opp. to Art of Living, Kanakapura Main Road, Udayapura

- City/Town   Bangalore

- State/UT   Karnataka

- Pin Code   560082

2.Institutional status

- Affiliated /Constituent   Affiliated

- Type of Institution   Co-education

- Location   Urban

- Financial Status **Self-financing**

- Name of the Affiliating University **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

- Name of the IQAC Coordinator **DR. ROOPA R KULKARNI**

- Phone No. **08028432999**

- Alternate phone No. **08028432999**

- Mobile **9880156678**

- IQAC e-mail address **iqac@dsatm.edu.in**

- Alternate Email address **roopakulkarni-ece@dsatm.edu.in**

3.Website address (Web link of the AQAR (Previous Academic Year)

4.Whether Academic Calendar prepared during the year?
Yes

- if yes, whether it is uploaded in the Institutional website Web link: https://dsatm.edu.in/images/pdf/coe_2022_23.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A+**	**3.28**	**2022**	**01/02/2022**	**31/01/2027**

6.Date of Establishment of IQAC
15/12/2017

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
DSATM/ISE/DR. G MANJULA	**FDP**	**AICTE-FDP**	**2021- 6 DAYS**	**93,000/-**

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   7

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?   Yes

- If No, please upload the minutes of the meeting(s) and Action Taken Report   No File Uploaded

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)

• Implementation of NEP 2020 since 2021, reflecting on integrated courses, industry internship and ability enhancement courses. • IQAC initiates and promoted the strategy planning in identifying the curriculum gap, course delivery plan with innovative pedagogy methods for effective teaching-learning process, effective proctoring system through ERP. • Introduction of skill development program and project-based learning, Value added courses to bridge the gap between industry and academia, • Initiated Faculty Immersion Program (FIP) on Teaching-Learning Process and domain specific. An FIP on "Innovative Teaching Pedagogy" was conducted. • Constant encouragement to promote research publications, funding applications and patent filling among all the faculty members, research scholars and students. • Introduction of new UG Courses

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
Adoption and implementation of NEP 2020 in the curriculum	The institution has conducted seminar on implementation of NEP 2020 and its implication in higher education institutes for all the faculty members. The institution has adopted NEP 2020 curriculum framed by university is implemented since 2021-22.
Value added Courses, Skill Development Program and project-based learning	The integration of value added courses, skill development program and Project based learning focuses on leveraging the talent and innovative capabilities of the budding professionals to meet the needs of the contemporary dynamic of techno-managerial skills and environment thus making the student more industry ready
Research and funding initiatives	The research cell conducts activities in training the faculty and research scholars on writing research articles and publishing them in reputed journals; and writing funding proposals. As the outcomes, the faculty members have published large number of research papers in reputed journals and conferences. The institution has received funds from national agencies and universities.
Intellectual Property Right cell had planned activities related to Patenting computer related Inventions, procedures and policies for the faculty and students along with debate and discussions	It enables creation and growth of Intellectual property by undertaking computer relevant inventions, relevant procedures, and policies through debate and discussion
IQAC in association with Entrepreneurship Development	These events motivated students' thoughts on why design thinking;

05-01-2024 01:22:14

cell has organized workshops on Incubation, Innovation and Design Thinking-Ideation-Functional Events	innovation and systematic innovation; entrepreneurship and start-ups. It enabled students to learn Various phases in Design Thinking process. identify the significance of Innovation and Generate and develop design ideas through different techniques
Women Empowerment Cell has initiated and conducted activities namely Mental Wellness & Emotional Empowerment, Creating a Thriving Staffroom, Dealing with cyber bulling & Harassment in Student Life, Ayurveda for Women's Health lady faculty and girl students	Faculty members were able to get solutions for their problems related to emotional imbalance. Useful insights were provide to design a healthy life style. Students acquired knowledge on the problems related to social media harassment and Bulling which is one of the crucial concern in student's life. Educated all the faculty members towards the importance of physical, mental, social and spiritual health for overall wellbeing. Cultivated an awareness in all the faculty members (100%) towards meditation and Yoga

13.Whether the AQAR was placed before statutory body?   No

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14.Whether institutional data submitted to AISHE

Part A

Data of the Institution

1.Name of the Institution	DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT
• Name of the Head of the institution	DR. M. RAVISHANKAR
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	08028432999
• Mobile no	8884014465
• Registered e-mail	principaldsatm@gmail.com
• Alternate e-mail	principal@dsatm.edu.in
• Address	Opp. to Art of Living, Kanakapura Main Road, Udayapura
• City/Town	Bangalore
• State/UT	Karnataka
• Pin Code	560082
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban
• Financial Status	Self-financing
• Name of the Affiliating University	VISVESVARAYA TECHNOLOGICAL UNIVERSITY

• Name of the IQAC Coordinator	DR. ROOPA R KULKARNI
• Phone No.	08028432999
• Alternate phone No.	08028432999
• Mobile	9880156678
• IQAC e-mail address	iqac@dsatm.edu.in
• Alternate Email address	roopakulkarni-ece@dsatm.edu.in

3.Website address (Web link of the AQAR (Previous Academic Year)

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

• if yes, whether it is uploaded in the Institutional website Web link:	https://dsatm.edu.in/images/pdf/coe_2022_23.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.28	2022	01/02/2022	31/01/2027

6.Date of Establishment of IQAC — 15/12/2017

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
DSATM/ISE/DR. G MANJULA	FDP	AICTE-FDP	2021- 6 DAYS	93,000/-

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 — 7

• Were the minutes of IQAC meeting(s)	Yes

and compliance to the decisions have been uploaded on the institutional website?		
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
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)

• Implementation of NEP 2020 since 2021, reflecting on integrated courses, industry internship and ability enhancement courses. • IQAC initiates and promoted the strategy planning in identifying the curriculum gap, course delivery plan with innovative pedagogy methods for effective teaching-learning process, effective proctoring system through ERP. • Introduction of skill development program and project-based learning, Value added courses to bridge the gap between industry and academia, • Initiated Faculty Immersion Program (FIP) on Teaching-Learning Process and domain specific. An FIP on "Innovative Teaching Pedagogy" was conducted. • Constant encouragement to promote research publications, funding applications and patent filling among all the faculty members, research scholars and students. • Introduction of new UG Courses

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
Adoption and implementation of NEP 2020 in the curriculum	The institution has conducted seminar on implementation of NEP 2020 and its implication in higher education institutes for all the faculty members. The institution has adopted NEP 2020 curriculum framed by university is implemented since 2021-22.
Value added Courses, Skill Development Program and project-based learning	The integration of value added courses, skill development program and Project based learning focuses on leveraging the talent and innovative capabilities of the budding professionals to meet the needs of the contemporary dynamic of techno-managerial skills and environment thus making the student more industry ready
Research and funding initiatives	The research cell conducts activities in training the faculty and research scholars on writing research articles and publishing them in reputed journals; and writing funding proposals. As the outcomes, the faculty members have published large number of research papers in reputed journals and conferences. The institution has received funds from national agencies and universities.
Intellectual Property Right cell had planned activities related to Patenting computer related Inventions, procedures and policies for the faculty and students along with debate and discussions	It enables creation and growth of Intellectual property by undertaking computer relevant inventions, relevant procedures, and policies through debate and discussion

IQAC in association with Entrepreneurship Development cell has organized workshops on Incubation, Innovation and Design Thinking-Ideation-Functional Events	These events motivated students' thoughts on why design thinking; innovation and systematic innovation; entrepreneurship and start-ups. It enabled students to learn Various phases in Design Thinking process. identify the significance of Innovation and Generate and develop design ideas through different techniques
Women Empowerment Cell has initiated and conducted activities namely Mental Wellness & Emotional Empowerment, Creating a Thriving Staffroom, Dealing with cyber bulling & Harassment in Student Life, Ayurveda for Women's Health lady faculty and girl students	Faculty members were able to get solutions for their problems related to emotional imbalance. Useful insights were provide to design a healthy life style. Students acquired knowledge on the problems related to social media harassment and Bulling which is one of the crucial concern in student's life. Educated all the faculty members towards the importance of physical, mental, social and spiritual health for overall wellbeing. Cultivated an awareness in all the faculty members (100%) towards meditation and Yoga

13.Whether the AQAR was placed before statutory body?

No

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2023	09/01/2023

15.Multidisciplinary / interdisciplinary

- Dayananda Sagar Academy of Technology and Management has established international Memorandum of Understanding collaboration YARSI University Indonesia and many more in process establishing Multidisciplinary Research and Faculty exchange programs.
- Institution has professional and cultural clubs in campus with student members across branches ensuring Multidisciplinary activities and coordination.
- Institution ensures basic science programs implementing ideas, prototypes & patents, under "Science forum" and other technical clubs on campus integrating science, technology and management activities by MBA department. Program details are ideathon, project competitions, exhibition, poster presentation, technical quizzes, coding, Mechathon, business model prototype and soon.
- Institution ensures Social, Environmental, Community Engagement, Value based mini projects, major Projects with Multidisciplinary approach during course with extra-curricular events.
- Institution is under tier-II program, with VTU, ensures multidisciplinary open electives, projects across all the branches as a part of Syllabus towards SEE evaluation.
- The university curriculum and scheme of 2021 has the flexible curricular structure to enable different combinations of courses overcoming the confines between the Programme leading to multidisciplinary / interdisciplinary approach. At the 1st year, the syllabus is structured as:

  a)   Stream specific courses,

  b)   Common courses: computer aided engineering design, communicative English, professional writing skills in English, Indian constitution, innovation and design thinking, scientific foundation for health,

  c)   Emerging Technology course: Smart Materials and System, Green Buildings, Operation and maintenance of solar electric system, introduction to nano technology, drone technology, sustainable engineering, renewable energy source, waste management, Internet of Things, Cyber Security, Programming

language courses: Web programming, python programming, java programming, C++ programming

- Students are encouraged to take up projects of social significance and beneficial to society and environment. Apart from this, Students & Faculty are encouraged to take up multidisciplinary real-world problems to carry out their project/research works.
- Multidisciplinary and interdisciplinary Internships are carried out by the students. Students are motivated to take up MOOC courses in multidisciplinary areas.
- Core Branches and NSS units are engaged in taking societal issues providing solutions and Institution ensures through research collaborations associating with ATAL scheme, NAAVIC Agriculture scheme, Hackathons, Skill India proposing solutions to the societal projects.
- Institution promotes Multidisciplinary / Interdisciplinary approaches through open electives offered by various departments on campus and through student's Multidisciplinary projects, Edu Skills training program, and various companies offering Multidisciplinary internships. Students are motivated to take up MOOC courses in multidisciplinary areas.

16.Academic bank of credits (ABC):

- The awareness program of academic bank of credits is organized to all the faculty and students.

- The awareness program on ABC and multiple entry and multiple exit is organized. We are an affiliated institute and are following university rules and regulations. The institute will follow as and when university implements ABC.

- Institution has established international collaborations with YARSI University Indonesia and many more in process with respect to faculty research and exchange programs.

- Faculty members are trained through faculty immersion program regularly about OBE, Curricular framing and pedagogical initiatives.
- The institution is under VTU and the university has started

implementing NEP2020 with Academic Bank of Credit

17. Skill development:

- Institution promotes online internship, MOOC, NPTEL, and AICTE certifications, Edu skills, and has initiated soft skill training for all the students in the campus.
- Internship skill training for all branches is integrated with syllabus of all the branches.

ISE: Full Stack Web Development, Cyber Security, Cloud.

CSE: Full stack web development, and Data Science

ECE: Digital Design and Verification using Verilog, Industrial IoT and ML using LabVIEW. IoT for Embedded

Applications

EEE: IoT and Embedded System Design using LabVIEW, and Power System

ME: Automation and Machine Learning to Mechanical Professionals

CIVIL: Concrete Technologies and material, Estimation using Primavara, and Water Supply

- Value based education is ensured though courses Constitution of India, Professional Ethics and Human Values, Scientific Foundations of Health, and AICTE activity points. Design and execution of mini Projects related to social issue is ensured during course.
- Credit structure of Constitution of India, Professional Ethics and Human Values,, Scientific Foundations of Health, AICTE Activities.
- Memorandum of understanding industries of all the departments provides add on courses, Internships, Technical sessions, Projects, Trainings Faculties / Students.

- The institution has initiated skill enhancement. The aspiration form is taken from the students to understand the available skill sets, need of the skill set to be enhanced. The skill enhancement courses are developed for 3rd, 4th, 5th, and 6th semester considering the skill sets required by the industry inline with the aspiration form

collected from the students. The course is carried out throughout the semester. The course outcome is assessed through the projects carried out by the students.

NSS, NCC, cultural club, entrepreneurship development cell, technical club, robotic club are a part of DSATM – with an objective of imparting communication skills, leadership skills, community engagement, and scientific temper among the students.

- The institution has the MoU with Eduskills to enable students with Industry 4.0 ready digital workforce. This certificate is recognized by AICTE. The training and the certification course caters students in up skilling them with latest technology through innovative learning tools, a global support community, and resources to help them to launch their career. The courses are offered in AWS (AI & ML), AWS Cloud, Palo Alto, Celonis, Blue Prism, Networking Virtual, Cybersecurity, Data Analytics. The students have been trained and certified in the mentioned courses

- Skill training is provided by Memorandum of understanding (MOU) companies across all the departments every year through online distance mode
- Each department has setup the industry-oriented laboratories through which workshops and training programs are conducted to enhance the technical skills of the student and bridge the gap between industry and institute.
- Training programs are arranged by the institute to improve the soft skills such as communication, team work, and presentation skills. There are students' clubs such as sport, technical, quiz, cultural and social clubs that caters to the holistic development of the students.
- The soft skills of the students are developed through class activities such as seminars, mini project presentation, group discussions, case study presentation and debate.

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

- Institute adorns a festive look to celebrate Dussehra, the state festival, and other festivals like, Ganesh Chaturthi, Ayudha Pooja, Rama Navami, and Onam showcasing the cultural integrity among the students. The kannada Rajyotsava day was celebrated on 1st November. All students and faculty dressed themselves in the Karnataka attire and adorned the

campus and other prime locations of the college. Various cultural events based on the tradition of Karnataka were organized for the students and faculty.

- Most of the faculty of DSATM are well versed with kannada being their mother tongue. Many of the them can speak and communicate with neighboring state languages namely: Telegu, Tamil, Marathi, and Hindi. The bilingual mode of classroom delivery is on need based. The unclear concepts or the difficulties faced in understanding the classroom delivery are explained to the students after the class using bilingual mode of communication.

- The university has introduced two common courses in kannada (Language of the state) namely: Samskruti Kannada and Balake Kannada to be studied by all the admitted students.

- International Yoga Day is celebrated highlighting the benefits of yoga in the campus every year. Experts demonstrate important Yoga asanas to the students and faculty members. Students and faculty join the expert in performing yoga.

- The Women Empowerment Cell organized a talk on Ayurveda for Women's Health on International Women's Day Celebration, highlighting the importance of our age old medicine used to cure many diseases.

- Indian architecture and art are the physical evidence that remains of ancient civilization and history that help us understand the dynamic conditions by looking closely at the work and critiquing using formalism theory based on at that Era or time The department of architecture arrange team visits to places in and around karanataka to studied the ancient civilization, structure and art. This study gives the students an understanding to analyze and apply the acquired data for today's/future designs in a sustainable term.

- To integrate Indian art and culture into the teaching learning process students are encourages to participate in various cultural events organized within and outside the organization. Cultural activities are organized through cultural club at the department and institution.

  The institution organizes cultural events - Esperanza an annual inter- collegiate cultural fest and Antarangni – inter departmental fest. This annual extravaganza is celebrated to bring out the best practices and hidden talents in the students. Esperanza and Antarangni

celebrates Literature, Fine Arts, Theatre, Indian classical dance, classical singing and music, and exhibitions of various themes which are performed by students.

The delivery of the content in the vernacular language will be carried out by the fculty on the need basis of the students. Institute up holds the Indian tradition and culture in all its activates with meticulous planning and execution.

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

Curriculum is framed with effective courses outcome (Theory, Laboratory, Mini Project, Main Project) and every faculty ensures the attainment of the same with effective mapping to program outcome.

All the faculties are trained on outcome based education through phase-1 of 5 days Faculty Immersion Program on "Innovative Teaching Methodologies", phase-2 of 5 days Faculty Immersion Program on "Outcome based Education"

The institute is affiliated to VTU in which at present has all its 1st year and 2nd year students following NEP 2020 scheme while the 3rd and 4th year follows the CBCS scheme. The 1st year and the 2nd year scheme has Integrated Professional core courses, Professional course, ability enhancement course, along with humanities and social sciences. The scheme has well defined assessment method containing regular assessment as CIE, along with alternative assessment methods such laboratory session, projects, and internships. These methods of evaluation will provide clear evaluation of graduate attributes as per NBA. The Course outcomes, Program outcomes, program specific outcomes are assessed at blooms levels and well-established process is framed to calculate the attainments through these courses. The Continuous Internal assessment, creative assessment and Semester end exam are evaluated based on the mapping of Course Outcome and Program outcome for each question and the activity. This is followed for all the courses. The direct attainment and Indirect attainments are calculated for each course/ activities by defining CO and their mapping it to PO. The final attainment of the program for each batch of student is calculated as per NBA. All eligible UG programmes are NBA accredited till June 2025

- Institution Accredited by NAAC (National Assessment and Accreditation Council) following effective outcome based education practices at every level of teaching with Continuous Internal Evaluation, Semester End Examination, ------ Faculty members are regularly trained with outcome based education FIP (Formal Immersion Program) effectively. All the faculties are trained on outcome based education through phase-1 of 5 days Faculty Immersion Program on "Innovative Teaching Methodologies", phase-2 of 5 days Faculty Immersion Program on " Outcome based Education"
- All the faculties are trained on outcome based education through phase-1 of 5 days Faculty Immersion Program on "Innovative Teaching Methodologies", phase-2 of 5 days Faculty Immersion Program on " Outcome based Education"
- The structure of the course delivery plan is well prepared by the institution to meet the OBE components: formation of course outcomes for the curriculum framed by university, planning of pedagogical methods and activities, and assessment methods to make sure learning ultimately happens with the students.
- Every faculty prepares the course delivery plan based on OBE, the COs are framed, mapped to POs and PSOs.
- The course assignments and creative assignments are framed to meet the higher order RBT (Revised Blooms Taxonomy) levels.
- At the end of the course the attainment of the POs are calculated.
- Skill enhancement program is organized by every department to enhance the skill sets of the students to bridge the gap between industry and academia.

20.Distance education/online education:

- The institution is exploring the possibilities of offering vocational courses through ODL
- Presently, the institution has taken initiative for faculties and students to take MOOC Courses that are inline with the courses in the curriculum
- Pedagogical initiatives such as role play, collaborative learning, brainstorming, think-pair-share, case studies, flipped classroom to name a few are embedded in the course delivery. The theory and the courses are delivered using modern tools in the classroom as well as in the laboratory.
- The faculty and the students are encouraged to take MOOC courses, ensuring one such course for every faculty. The students take up one course for one semester as creative

assignment. These courses are taken by faculty and students to enhance their skills in their field of specialization as well as interdisciplinary.

- Strategic Plan

Goal-1: To enrich Effective Teaching Learning Process

To provide a student-focused Teaching and Learning environment that enables them to excel in academics and enhances their competencies for successful employment

Goal-2: To develop and implement ICT enabled learner centric Teaching-Learning process

Institute has well planned Effective Teaching Learning process and has robust methodology for executing out the process. The institute believes in quality teaching. Content delivery and dissemination methods are continuously updated to make teaching learning more prolific

Goal-3: Establishing a Continuous Internal Quality Assurance System

Goal-4: To Improve Industry Institute Interaction, Incubation and Entrepreneurship Activities

Goal-5 : To encourage Research & Consultancy

Goal-6 : To enhance Student experience

Goal-7 : To Strengthen Alumni Engagement

Goal-8 : Enhance engagement with society and Green Initiatives

Goal-9 To formulate and Implement Institute Development Plans (IDP) to improve the overall quality of the institute

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	396

File Description	Documents
Data Template	View File

2.Student

2.1 Number of students during the year	2943

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	233

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	754

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	191

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	183

File Description	Documents
Data Template	[View File](#)

4.Institution

4.1 Total number of Classrooms and Seminar halls	**60**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**1147.15**
4.3 Total number of computers on campus for academic purposes	**794**

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The institution has adopted the NEP 2020 curriculum since 2021-22 and planned as per the university guidelines. Course Delivery Plan, comprising a checklist of 30 to 31 items is maintained. Lesson Plan, outlining COs, pedagogical initiatives, timeline for covering the syllabus is prepared. COs –to-POs-to-PSOs are mapped. Calendar of Events (COE): Departments prepare COEs aligned with the COEs of the Institution and the University. Subject Allotment is done. Time Table is prepared based on course credits. Each course is evaluated through CIE. The Components of CIE include IA test question papers, assignments, and a seminar. Lab manuals and Question banks are prepared. Curriculum orientation: Student Induction Program, elective counselling by Subject Matter Expert. Course specific Instruction methods using pedagogical initiatives are adopted. Collaborative learning is used in practice. Qualities of laboratory experience -Laboratories are spacious, well-equipped and essential safety devices are available. Policy guidelines are displayed. Lab in-charge lab cycles are prepared, displayed and informed to students. Mini Projects are part of CIE. Final Year Projects -Indicative projects and guide list based on domain specialization is notified to students. In Phase-I (7th Semester) two reviews are undertaken. Review-I: Projects are approved Review-

II: Survey paper is evaluated. Phase-II & III (8th Semester): Work progress is tracked.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Once the affiliating University releases Academic Calendar officially, Principal prepares an Institution Calendar of Events (COE) and the same is disseminated to the HODs and Staffs. HODs prepare a Department COE and further circulated to the faculty members and students. The COE provided by the university encompasses the Date of Commencement and end of the Semester. All the academic activities namely: registration of odd semester, Orientation & SIP, identification of slow learners, remedial classes for slow learners, submission of IA question paper for the review by the Programme Assessment Committee, proctor meetings, review and submission of IA marks, phase wise evaluation of the student development activity, external audit, faculty appraisal, parent-teachers meet, course end survey, and lab IA are included and executed effectively according to COE. Time Table is planned accordingly. Three Internal Assessment Tests which are essential components of Continuous Internal Evaluation (CIE) are according to COE. Activities & Events like expert talks, workshops, Developmental Programs fests, Seminars and Conferences are conducted as per the academic calendar. Internships/Projects/Case Portfolios should be undertaken by the students as per the University COE. BE students undergo four weeks' internship, BArch Students undertake four months of Case study. MBA Students undergo 10 weeks' industry internship.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in following activities related to curriculum	**A. All of the above**

development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

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

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

12

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

16

File Description	Documents
Any additional information	**No File Uploaded**
Brochure or any other document relating to Add on /Certificate programs	[View File](#)
List of Add on /Certificate programs (Data Template)	[View File](#)

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1613

File Description	Documents
Any additional information	[View File](#)
Details of the students enrolled in Subjects related to certificate/Add-on programs	[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

Courses prescribed by VTU like- Environmental sciences, Constitution of India and Professional ethics for Engineering; Professional Practices, Environmental Responsive Architecture for Architecture program; Workplace ethics & Managerial Communication for Management students are offered by the institution.

Several supplementary enrichment programs & activities are conducted by the Institution.

Professional Ethics

Through seminars, webinars, professional training activities & workshops orienting them.

Gender

Institution has Women Empowerment Cell which includes activities like: Mental Wellness & Emotional Empowerment, Dealing with cyber bulling & Harassment in Student Life, Ayurveda for Women's Health on International, Gender sensitization workshops, Counselling sessions, Stress Relief programs and women empowerment activities.

Human Values

Universal Human Value (UHV) Cell of the Institute in co-ordination with NSS unit, cultural committee, and Technical & Management clubs conducts activities like Drug awareness Program, Visits to government schools' orphanages, old age homes, blind school, Participation in Rural development, Digital literacy Programs for under privileged, Blood Donation camps, etc

Environment and Sustainability: Includes activities include- to create environment awareness though art work & painting, sapling plantation programmes, plastic free environment, workshops, seminars on sustainable technologies covering Renewable energy, electric vehicle, energy & environment, Water treatment & management for sustainability and rain water harvesting.

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

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

714

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

1.3.3 - Number of students undertaking project work/field work/ internships

714

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://dsatm.edu.in/feedback
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://dsatm.edu.in/feedback

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

729

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

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

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

154

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

The institution assesses the learning levels of the students, reviews the process and analyses their performance. The assessment methods like- Class interaction & responsiveness, CIE in Lab performance and Internal Assessment Tests, University Examination performance, and Proctors feedback facilitate in profiling slow and advanced learners to facilitate their learning and progression through appropriate programs.

Remedial or make up classes are conducted for the slow learners by the respective course instructor to revise the concepts, solve more problems, give extra assignments to improve their performance.

Advanced learners are encouraged to participate in inter and intra college events like paper presentation, quizzes, Seminar, project competition/exhibitions and take up MOOC courses that leverages the analytical skills, problem -solving, critical thinking and soft skills. Institution extends financial support to advanced learners to facilitate execution of projects. Sponsorships are extended for their membership for professional forums like IEEE.

Projects of students with advanced capabilities are submitted through Institution to KSCST for funding support.

Entrepreneurship Developmental activities like lecture series by successful entrepreneurs, ideation workshops, rapid prototyping sessions were conducted for entrepreneurial aspirants and advanced learners.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File]()

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

Number of Students	Number of Teachers
2943	**191**

File Description	Documents
Any additional information	[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

The institution adopts innovative pedagogies with ICT enabled tools to cater to the diverse needs of learners. Techniques like experiential, participative learning, problem solving, simulation and immersive activities are adopted to enhance the intellectual, cognitive, emotional and behavioural capabilities of students.

1. Experiential Learning

   1. Project work

    • **Mini and Major Projects**
    • **Internship or Projects in industry**
       1. Students are encouraged to participate at various technical events.
       2. Field Visits: Academically significant field visits and Surveys
       3. Industrial Visits:

4. **Industry and Alumni Expert lectures:** Industry expert lectures are organised for every course to provide experiential learning
5. **Social Immersion Programs** NSS club and Red cross wing of DSATM organize social immersion to sensitize the societal and environmental problems

1. **Participative learning**
   1. Course delivery methods include innovative pedagogy like role play, brainstorming, quizzes, mind map, seminar to involve students in the learning process.
   2. Online learning: NPTEL, MOOC Courses, and VTU e-skishshana portal
   3. Project symposium, seminars, and presentations
   4. Paper presentation
   5. Virtual internships through AICTE- Eduskills
2. **Problem Solving methodologies**
   1. Interdisciplinary projects
   2. Mini projects
   3. Creative assessment
   4. Case study
   5. Research activity – technical paper presentation : Lietrature Survey Paper and the project implementation.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

All the classrooms, laboratories and seminar halls are ICT enabled. The campus is enabled with 24X7 Wi-Fi and internet facilities for the staff and students at the speed of 100 MBPS.

The institution has effective ERP-Learning Management System used by all the faculty to upload the course content, assignments, quizzes, proctoring, attendance monitoring, and assessment of IA. The content can be accessed by the students from anywhere and at anytime.

Faculty across all programs adopt various innovative teaching &

learning pedagogical tools to enrich the learning experience to students catering to their diverse learning needs with the aid of ICT tools, online teaching-learning platforms, Content authoring, content Management Systems interactive online Heutagogical tools or applications like padlets and others. Audio-visual aids like PowerPoint Presentations, NPTEL Lecture series, Videos are integrated with teaching to enhance learning.

The digital library resources has open access to e-books, periodicals, e-journals and e-resources along with OPAC system supporting online learning facility. Institution has LIBSOFT a multi user package designed and developed for library Automation for effective management of a library books from all aspects.

Hands-on experience using MATLAB, Power world Software, P-Spice, LabView, Eviews software. Cadence, Advanced Excel tool, R-Analytics, Python.

File Description	Documents
Upload any additional information	**No File Uploaded**
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

2.3.3.1 - Number of mentors

175

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

191

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

63

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

969.95

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and

mode. Write description within 200 words.

Internal Assessment Tests are meticulously planned and indicated in the institute as well as department calendar of events. Three IA Tests are conducted for every course during the stipulated period as per the university guidelines. Syllabus for internal assessment will be communicated to students well in advance.

Question papers are framed by respective course instructors and submitted one week prior to the commencement of test. Question papers will be scrutinized & finalized by Program Assessment Committee constituted by the departmental head along with Senior faculty and course expert. The questions are framed with balanced course outcomes and RBT levels to evaluate the comprehensive, analytical, and problem solving skills of students.

To ensure transparency & objectivity in assessment process, Scheme of evaluation is used as a rubric. The scheme and solution of the IA question paper is discussed in the class after the conduction of test. Any discrepancies in the evaluation, the students can approach the concerned faculty and seek the solution.

Results are notified to students & parents through multiple channels like Notice board, egovernance system, push messages.

Apart from CIE for testing conceptual knowledge of students, application skills of students are tested on weekly basis through laboratory experiments.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	**Nil**

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The institution strictly adheres to the guideless defined by the affiliating University for the conduction of Internal Assessment(IA) Tests and Semester End Examination.

After the conduct of IA test, one week time is provided for the evaluation of the blue books. The scheme and solution of the IA question paper is discussed in the class after the conduction of the IA test. Evaluated blue books are distributed to the students

during the class to check for any discrepancies in the evaluation. For any discrepancy, the student can discuss with the concerned course instructor and clarify them. If any student is absent on that day and not seen his test marks, there is a time bound of one week within which he/she has to meet the concerned course instructor for any clarification regarding IA test evaluation. After which the marks will be finalized.

Edu Grievance is established in the institution to ensure prompt redressal of grievances pertaining to the examination reported by students or staff with greater confidentiality and transparency. The system is robust and responsive to various issues faced by the stakeholders, disposes them promptly and impartially upholding dignity and honour of every one and strengthening the student educator relationship

File Description	Documents
Any additional information	[View File](#)
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

The institution ensures all the departments prepare the program specific outcomes and the course outcomes for all the courses and map them to the program outcomes. Faculty immersion program on outcome-based education was conducted for all the faculty to ensure the understanding of CO, POs, CO-PO mapping and its reflections in framing the IA question paper and assignment.

The importance of the COs, POs, PSO, and the blooms cognitive learning levels are communicated to the students and emphasized during syllabus orientation by each instructor as that would reinforce its significance.

The POs and PSO are displayed in

- Department website
- Orientation program during first year inauguration
- HoDs cabin and Department common areas
- Laboratories, classroom, and staffrooms
- Library

- College magazine
- Event Brochures

The POs and COs are communicated through

- Students are well informed about the program outcome and course outcome during the introductory class of each course.
- Lab manual, Course delivery plan, Assignments, Question banks
- Department newsletter
- Program outcome and course outcomes are also mapped to each question in CIE for student reference and attainment calculation.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	**Nil**
Upload COs for all Programmes (exemplars from Glossary)	[View File](#)

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Institution strives to consistently achieve excellence in the quality of education on the edifice of the Principles of Outcome Based Education (OBE) which are learner-centric in approach. The academic program is evaluated in the framework of NBA accreditation guidelines following the outcome-based education. The mapping of COs, to POs and PSOs are defined in three levels as low(1), Medium(2) and High(3).

The attainment of the POs and PSOs is obtained using direct and indirect assessments tools in the ration of 80:20 respectively.

Direct assessment tools

o Internal Exams/Continuous Internal Evaluation

§ Internal Assessment Test

§ Assignment

§ Creative assessment

§ Laboratory IA. (CIE and at the end of semester)

o Semester End Examination

§ Theory exams

§ Laboratories

Indirect assessment tools

· Course End Survey

· Student Exit Feedback

· Alumni survey

Based on the marks scored by the students in the CIE and SEE the POs are evaluated and analysed for their attainment. The attainment of the POs is also meet through workshops/training, industry expert talks, value added courses, mini projects, seminar presentations. Rubrics are framed for the attainment of COs in courses like presentations, projects, mini projects, and internships

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	**Nil**

2.6.3 - Pass percentage of Students during the year

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

713

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://dsatm.edu.in/naac/AQAR/Criterion-2/2.6.3/2.6.3_Result%20Analysis.pdf

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 weblink)

https://dsatm.edu.in/images/Approval/27-Student-Satisfaction-Survey.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

37.925

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

34

File Description	Documents
Any additional information	**No File Uploaded**
Institutional data in prescribed format	<u>View File</u>

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

4

File Description	Documents
List of research projects and funding details (Data Template)	<u>View File</u>
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	<u>View File</u>
Paste link to funding agency website	<u>https://dsatm.edu.in/naac/AQAR/Criterion-3/3.1.1%20&%203.1.3/3.1.3_Links%20for%20Funding%20Agency%20Website.pdf</u>

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Innovation and entrepreneurship spirit are embedded in the culture of DSATM as evident from 16 MOUs with companies for the year 2021-22, 8 research centers on campus which foster research, innovation and creativity, Rs. 37.925 lakhs funding support from various governmental and non-governmental organizations to pursue research, innovation and entrepreneurship developmental activities. Institution has one patent grant, and 9 patents have been applied.

Institutes Innovation Council(IIC) of DSATM has been proactively nurturing innovation and creativity on campus through Ideation Workshop, Business Pitch Decks, Rapid Prototyping, Hackathon, for students.

Entrepreneurship Development Cell (EDC) of DSATM envisions to

nurture Entrepreneurship to support the National Mission of Aatma Nirbhar Bharat ('self-reliant India').

Experts from associations like MSME-Development Institute, National Design Business Incubation (NDBI), Karnataka Small Scale Industries Association and Indian Start Ups interacted with the participants. Apart from creating awareness, the Institute also invites successful entrepreneurs and alumni entrepreneurs to share their experiences to inspire and stimulate entrepreneurial aspirants.

The ED Cell extends networking support to entrepreneurial aspirants by connecting them to the alumni entrepreneurs, Government and Funding agencies, Non-Governmental agencies and other supporting organizations.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

17

File Description	Documents
Report of the event	[View File](#)
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	[View File](#)

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

5

File Description	Documents
URL to the research page on HEI website	**Nil**
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	[View File](#)
Any additional information	[View File](#)

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

107

File Description	Documents
Any additional information	[View File](#)
List of research papers by title, author, department, name and year of publication (Data Template)	[View File](#)

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

15

File Description	Documents
Any additional information	[View File](#)
List books and chapters edited volumes/ books published (Data Template)	[View File](#)

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The institution encourages students and faculty to engage in extracurricular activities that are related to society to enable the awareness of civic duty in local communities. DSATM has a

Rotaract club, registered National Service Scheme (NSS) Unit and Red Cross Society wing which engage students in extension and constructive activities aimed at contributing towards creating awareness about the pressing issues and problems affecting the society and the environment.

Activities of NSS:

- Plantation of trees
- Blood donation camp
- Vaccination drive for COVID-19
- Celebration Yoga day
- World Environmental Day Awareness Jatha

It also involves them in activities which instill a spirit of patriotism for the Nation and respect and honour for the local regional and national culture and heritage. Students participated in sensitization program on Constitutional Rights, Duties and Obligations, Kannada Rajyotsava Celebration, Digital literacy campaign to impart computer education to students in the neighborhood Government Schools supporting Digital India initiative of the central Government. Institution has MOUs with Art of Living, and Rotaract Club to jointly work on extension activities.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

6

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

6

File Description	Documents
Reports of the event organized	View File
Any additional information	**No File Uploaded**
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

887

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

567

File Description	Documents
e-copies of related Document	View File
Any additional information	**No File Uploaded**
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

16

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Campus is spread over an expanse of 7.5 Acres (3,37,590 Sq. Ft.) with an average class room space of 109.9 SQM.The Library space of 2512.08 SQM. Administrative area of 6439 SQM, an average

Laboratory space of 109.9 SQM. Separate hostels are available for men and women. The Institution has a total of 55 classrooms equipped with Wi-Fi and LCD facility, 47 laboratories, a well-stocked central library,688 systems and 69 photocopiers some of which come with scanning and printing facilities, 10 studios, 4 seminar halls, an incubation center,separate boys and girl's common rooms for learning, student club area, activity center and a board room. Separate department level library facility is also available.The Central library Block housed in 2512.08 SQM Carpet areas has four floors with a seating capacity of 200 users. It is equipped with 30105 Volumes, 5849 titles, 1095 CDs/DVDs, 250 bound volumes of reference books and 83 journals, Edusat,digital library, reprographic services and printing facility, OPAC(Online Public Access Catalogue) which include 690 Springer Journals, 26275 e- books, 298 Science Direct Journals, 120 Emerald Journals , 39000 Proquest Journals, 555 Taylor and Francis Journals and several other e-books.The Institution has received Clean and Smart Campus award from AICTE in 2019.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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

Sports, games (indoor, outdoor), gymnasium facilities: Basketball court of 550 SQM area which is utilized for outdoor sports like badminton, volleyball and Kho-kho.Indoor sports facilities are housed within an activity center on 4855.94 SQM area. It includes-Synthetic table tennis court and Table soccer, 2 squash courts, 550 SQM of Multi- gymnasium hall with fully equipped gym, Yoga, aerobics and recreation center for playing, carom, chess and foosball. Adequate and well equipped Gymnasium facility is available with Treadmill, Cycling, Dumbbell and Plate set, Weight lifting set and Bench Press. To promote sports and physical activities Physical Education Director motivates students to participate in inter- collegiate and university level sports activities.

Facilities for Cultural Activities: To support cultural activities such as Dance, Music, Theatre, Fine Arts & Literary competitions, Amphi theatre and seminar hall are available. Designate Cultural

coordinator and his team comprising of faculty representatives and student representatives of various departments organize and promote cultural fests and activities like Esperanza, Kannada Rajyotsava, Onam, Spectrum Week and Ethnic day on campus. Besides they also invite participants from other colleges to participate in Esperanza, the techno-cultural fest is hosted on campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

60

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

1065.00

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

```
Library is automated using Integrated Library Management System
(ILMS)

Institution has LIBSOFT a multi user package designed and
developed for library Automation for effective management of a
library books from all aspects. Libsoft is a Windows / Web based
software and it runs in any Windows environment and hence it has
excellent Graphical User Interface. LIBSOFT is an effective source
of information to be shared with people. Library has fully
automated 12.0 version from 2018.

Circulation can be done for 2 or more documents at a time with
Bulk issue and bulk return for every member with singe entry.
Users can access the software any time, any place. Libsoft 12.0
allows to use N number of Clients. Multi user package with
database loaded in the server. The individual nodes across
different departments can share the data from the server.
Generates Purchase Orders that can be sent by E- mail directly.
The system keeps track of the items arrived as against the items
ordered. Circulation with bar code interface wherein the user
needs very few interactions with the system. Multiple reservation
facility to reserve the book which has been issued.
```

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	Nil

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	A. Any 4 or more of the above

File Description	Documents
Upload any additional information	[View File](#)
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

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

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

`100000`

File Description	Documents
Any additional information	**No File Uploaded**
Audited statements of accounts	[View File](#)
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	[View File](#)

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

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

`300`

File Description	Documents
Any additional information	**No File Uploaded**
Details of library usage by teachers and students	[View File](#)

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

`Wi-Fi internet facility is a leased line supported by Airtel, with a Band Width of 100 Mbps & 1:1 connectivity ratio.`

`Airtel license was renewed on 1/9/2020 based on increase in need for on-line technical events /professional activities requirements warranted by COVID-19 pandemic situation.`

`ICT Infrastructure Maintenance: Electronic Data Processing Department checks the requirement of IT resources and takes care of the maintenance works to ensure uninterrupted IT services across campus. Proposals for procurement or upgradation of IT resources, maintenance and repair works are submitted by respective Heads of the Department to IT Manager after approval from the Principal for necessary course of action. This is usually`

done periodically during the semester break after University exams. Centralized Microsoft academic 400 user license was procured by the EDP Cell to enable access to upgraded version of Windows and MS office tools.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**

4.3.2 - Number of Computers

794

File Description	Documents
Upload any additional information	**No File Uploaded**
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution	**A. ? 50MBPS**

File Description	Documents
Upload any additional Information	**No File Uploaded**
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

672.45

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	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.

Maintenance of Physical facilities: Institution has a full-fledged centralized maintenance department headed by a facility manager and maintenance engineer with supporting staff like- plumber, carpenter, electrician, gardener and house-keeping staff to oversee the construction and maintenance of physical infrastructure. As per the policy guidelines of the Institution all maintenance requests will be submitted to the facility management department by HOD after ratification and approval from the Principal and the Management. Academic facilities (Labs, Computers, LCD/ Wi-Fi): Institution has a full fledged centralized Electronic Data Processing department headed by an IT Manager. Two system admins and 10 Lab Instructors work with him to take care of maintenance and repair works. Any maintenance required will be submitted by the respective HODs after ratification and approval by the Principal and the Management. Supportfacilities (Library, Sports) -Institution has a centralized Library headed by a chief Librarian. The stock verification, maintenance and upgradation of library facilities is periodically undertaken by the Librarian after getting necessary approvals from the concerned authorities. HODs submit indent for the procurement of books, journals and other library resources to the Librarian after getting approval from the Principal as and when requiredSports facilities which include both indoor and outdoor facilities are managed by a designate Physical Education Director. There is provision for usage of sports and gym facilities by students will be scheduled by the Physical Director .Health Care Centre: It has a clinic and inpatient bed facility. Medical officer at the center manages all aspects of the health care facility.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1168

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

0

File Description	Documents
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above

File Description	Documents
Link to Institutional website	https://dsatm.edu.in/placements-dsatm/cil
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

462

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

462

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization 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	A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	**No File Uploaded**
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

490

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

45

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	**No File Uploaded**
Details of student progression to higher education	View File

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

05-01-2024 01:22:15

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

37

File Description	Documents
Upload supporting data for the same	[View File](#)
Any additional information	**No File Uploaded**
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	[View File](#)

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

2

File Description	Documents
e-copies of award letters and certificates	[View File](#)
Any additional information	**No File Uploaded**
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	[View File](#)

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Student representatives are involved in the Academic Audit Syndicate Committee (AASC) of the Institution to act upon their feedback and inputs to ensure best quality in academic delivery

processes and systems.

They are also actively engaged in extracurricular committees and clubs like National Service Scheme Advisory Committee for planning and execution of community development initiatives like blood stem cell donor registry drive, digital literacy drive, blood donation camps, awareness campaigns, women empowerment under NSS wing, Red Cross Society wing of DSATM.

Statutory committees' like- Grievance Redressal Committee, Committee For The Prevention of Sexual Harassment at Workplace, College Internal Complaints Committee and Anti-ragging Committee have representation of students to look into concerns pertaining to grievances, complaints, instances of ragging or sexual harassment. They are given to steer and manage the activities of various curricular and co-curricular clubs like- Institution Innovation Council (IIC), ROBO/IOT club, Entrepreneurship Development Cell, HR Club, Marketing Club, Finance Club and Strategy Club. They also have an opportunity to have membership in professional forums and student chapters or like ISTE, IEEE, Global Workforce Management Forum (GWFM), IETE and others under which they organize events and activities which facilitate in skill enhancement.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

41

File Description	Documents
Report of the event	View File
Upload any additional information	**No File Uploaded**
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

DSATM has a registered alumni association bearing Alumni registration no.DRB4/SOR/89/2021-2022.All the departments collect alumni feedback on prevailing curriculum and academic delivery processes across all the Programs. Based on the alumni feedback and inputs the gaps in the curriculum are identified and specific interventions like the certification and value-added programs, workshops, seminars, webinars and others are planned as appropriate to bridge the gap. Empanelment on Academic Audit Committee and Academic Syndicate Committee: Across all the departments alumni representatives are empaneled on the AAC and AASC. Alma Connect Initiatives: They are invited to deliver technical talks and skill enhancement sessions to prepare students for placements. Internship and Placement Assistance. Alumnus as Resource Persons: Alumni entrepreneurs were invited as resource persons to deliver inspirational sessions to the student participants during the DST – NSTEDB funded Entrepreneurship Development Camps organized by EDC. Empanelment of Alumni on Adjudication Panel: Alumni are invited as adjudicators to evaluate the contestants or participants of esperanza, the techno-cultural fest, of Aavartan -the Management fest and during the National Conference - (NCCSTM). They were also invited to evaluate the survey papers of final year students during project symposium. Participation on Workshops and Developmental Program: Invitations are extended to alumni to participate in workshops and developmental programs that are of significance.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	<u>View File</u>

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

File Description	Documents
Upload any additional information	<u>View File</u>

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision:

To strive at creating the institution a center of highest caliber of learning, so as to create an overall intellectual atmosphere with each deriving strength from the other to be the best of engineers, scientists with management and design skills.

Mission:

- **To serve its region, state, the nation and globally by preparing students to make meaningful contributions in an increasing complex global society challenges.**
- **To encourage reflection on and evaluation of emerging needs and priorities with state of art infrastructure at institution.**
- **To support research and services establishing enhancements in technical, economic, human and cultural development.**
- **To establish inter disciplinary center of excellence, supporting/promoting students implementation.**
- **To increase the number of doctorate holders to promote research culture on campus.**
- **To establish IIPC, IPR, EDC innovation cells with functional MOU's supporting student's quality growth.**

Goals to achieve vision and mission is to:

- Enrich Effective Teaching Learning Process
- Develop and implement ICT enabled learner centric Teaching-Learning process
- Establish a Continuous Internal Quality Assurance System
- Improve Industry Institute Interaction, Incubation and Entrepreneurship Activities
- Encourage Research & Consultancy
- Enhance Student experience and Strengthen Alumni Engagement

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

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

The Principal provides leadership for academic administration and creates an effective environment conducive for learning. The HODs are bestowed with the authority of deciding the activities and delegating the responsibilities to the staff members

Many senior faculty members adorn the key administrative positions like that of the Principal, Vice- Principal, Dean-Academics, Dean-Examination, Dean-Architecture, HODs, and a few of them work as Coordinators of various statutory and non-statutory committees and contribute towards participative decision making.

The Institution follows decentralization policy and empowers faculty members by assigning them roles and responsibilities such as examination coordinator, research cell coordinator, IIC Coordinator, Alumni coordinator, NAAC and NBA coordinators, Women Empowerment Cell coordinator, etc. and allows them to function with adequate autonomy.

IQAC team meets regularly and participates in various activities of the Institution and the information regarding the decisions taken is shared with the faculty members through meetings or circulars.

The participative management system include HoD's meeting, DAC meeting, PAC meeting, Alumni meeting, parent teacher's meeting, institute level faculty meeting for planning and execution of academic and administrative activities.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institutional Strategic/perspective plan has been articulated and executed effectively

· Faculty immersion program on OBE has been effective in the teaching – Learning process using innovative teaching pedagogies in their course.

· Improved research publication by the faculty in peer reviewed conferences and journals.

· Improvement in patent filling by the faculty

· Submission of research proposals to Government and non-government agencies

· Skill Enhancement Program was introduced to the students to enhance their technical skill to meet industry requirement and was effectively executed.

· Six eligible departments are NBA accredited for 3years

· Signing a MOU with international organization to create an opportunity for our students to understand the dynamics of global issues and challenges.

· Signing a memorandum of understanding with the industry for training, engagement, and bringing experts to interactive sessions.

· Organized IEEE international conferences, workshops, training sessions for faculty, certificate programmes, guest lectures, and departmental association and professional bodies activities.

· Establishment of various technical as well as non-technical, interdisciplinary clubs for students

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	**Nil**
Upload any additional information	View File

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.

Roles and responsibilities:

Governing Council, The GC diligently maneuvers its functions and responsibilities as the Chief governing body of DSATM through constructive contributions to ensure good governance and well-being.

Administrative Heads: Principal is responsible for ensuring the functioning of the Institution, ensures effective implementation of developmental strategies, oversees implementation of policies and procedures defined by the Governing bodies. Code of Conduct and Disciplinary policies and procedures are prescribed by the Principal. The Principal liaisons with governmental, corporate, academic bodies and The Management as and when required

Dean Academics supports the Principal in enhancing the quality of academic delivery. The Dean-Academics also spearheads the NBA and NAAC quality Accreditation process at the Institute.

HODs' take decisions pertaining to the departmental administration in discussion with the faculty members of the department and they will be executed after ratification by the Principal and the Management Committee.

Functional Heads: Activities of the functional departments' like- admission, accounts, placement, library, Facility Management, Hostel Management, Electronic Data Processing (EDP) and others are coordinated monitored and administered by the respective functionality.

Process Leaders: Faculty members are empowered to head and steer certain academic and administrative processes. Besides, they are involved in coordination of activities related to various

committees and clubs.

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the institution webpage	https://www.dsatm.edu.in/about/organization-chart
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	**No File Uploaded**
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

- **Gratuity is paid to employees in accordance with the Gratuity Payment Act of 1972**
- **Maternity Leave, Vacation Pay, Earned Leave, Half-Pay Leave, Sabbatical Leave and Medical Facility are in accordance with the institutional policy.**
- **Employee Provident Fund: All eligible employees as per the statute are entitled to management contribution of Provident Fund.**
- **Transportation for the faculty members.**
- **Progression & Motivational Measures: The institution motivates staff to undertake higher education. After PhD**

faculty members are entitled for a pay hike and may also be promoted to Associate Professor. Cadre subject to availability of vacancies.

- Faculty members are granted OOD and financial assistance to participate in FDPs, Conferences, Seminars and other value adding programs
- Recognition: Faculty members securing centum results in the courses taught are acknowledged conferred a certificate of achievement on teacher's day celebrations
- Professional Performer: research, funded projects, consultancy services, quality publications, and professional certifications are awarded a certificate of merit titled-professional performer

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File](#)

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

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

20

File Description	Documents
Upload any additional information	[View File](#)
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	[View File](#)

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

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

655

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**No File Uploaded**
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - 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 etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

201

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Institution has performance appraisal system for teaching faculty with Key performance indicators to be submitted at the end of the academic year for self-evaluation.

Key Performance Indicators with scores (KPIs) set for self-appraisal include - students performance in course handled, Proctorship effectiveness, Online course, Quality of Students Project, Publication of research papers, organizing industry expert talk, Workshop, Panel Discussion for the Students, Industry Internships, Initiatives related to Industrial Interaction, Placement activities, Alumni engagement, Pedagogical initiatives, and action taken for slow learners.

Each faculty will evaluate themselves, HODs verify supporting documents, authenticate and submit it to the Principal's office with a recommendation note.

Principal evaluates and submit it to the HR Department along with a recommendation note proposing increment, promotion or disciplinary action based on which HR department takes appropriate action.

Performance Appraisal for Non-Teaching Staff Members is done annually by the HoD and the Principal. The evaluation parameters used for appraisal include- Quality of Services Delivered, Job related skills and Competencies, Inter-personal skills, Punctuality and Discipline, Adherence to policy guidelines and procedures, Performance and Documentation, Professional etiquette and orientation, Overall Rating. Based on the evaluation report, the appraisee will be appreciated or counselled for improvement of performance if found necessary.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File]()

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institute has a mechanism for internal and external audit to ensure financial compliance. The college internal audit committee conduct the internal audit regularly.

As per the Government mandate annual external audits are conducted regularly by a registered Chartered Accountant and his team after

internal audit. If any objections are raised by the audit team,
these are addressed and corrected as per the requirement and
resubmitted. The external audit team submits the audit report to
the commissioning authority. The duly audited accounts of the
Institution are consolidated in the accounts of the trust namely
M/s Mahatma Gandhi Vidya Peetha Trust.

Every year budget proposals to conduct events and activities in
the Department are submitted by the HODs to the Finance Committee
comprising of the Principal, Accounts Manager and Accounts
Assistant. After securitizing the proposal the same is forwarded
to the Management for approval. After careful examination of the
proposal Management approves it if deemed suitable.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Optimal Utilization of Funds: In order to ensure optimal
utilization of funds mobilized from various sources mentioned
above, a finance committee is constituted. It is vested with the
powers to monitor and oversee the effective utilization of funds
for recurring and non-recurring expenses.

Finance and purchase committee calls for quotations from vendors for purchase of equipment, electronic systems and other resources and accept the quotation based on superior quality, favourable service terms and a competitive price.

Budgets proposed by the Departmental Heads are cross verified to eliminate redundancies in expenditure. If the funds exceed the allotted budget the departmental heads are required to take approval from the management for reimbursement of the same.

Funds are judiciously utilized for quality enhancement of academic and administrative processes and to foster a culture of research, innovation and entrepreneurship on campus.

Reimbursement policy of the institute has provision for stakeholders to claim expenses incurred on outreach activities and participation in quality improvement programs like conferences, seminars, workshops .Faculty members who publish papers in refereed and indexed journals are entitled to claim reimbursement as per the policy

Adequate investments have been made to develop a Learner-centric, sustainable infrastructure with best amenities for holistic development of students.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File](#)

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

Use of innovative teaching pedagogy methods:

The institutes' IQAC has initiated workshops and training all the faculty members on various pedagogy methods and outcome-based education. The use of innovative and cutting-edge teaching-learning methods such as Role play, Collaborative Learning, Puzzle based, Experiential Learning, Flipped Classroom, videos are used to improve the instructional methods in the classroom and involve students' participation in the teaching-learning process.

Curriculum Development

To bridge the curriculum gap between the industry requirement and curriculum content the skill enhancement program is initiated with an objective to enable students think beyond syllabus. It provides them to tap into their capabilities, develop real-life skills, and prepare themselves to be successful in the careers of their choice. Every program collects the aspiration form from the students at the 2nd year to understand their area of interest in which they can be trained. Each semester the students are trained on the cutting-edge technologies to enhance their skills and focus on a particular area of interest based on the aspiration form

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Academic Audit of every department and of various committees is undertaken by the IQAC with an attempt to improve and maintain the quality of teaching-learning process. The academic audit assesses the planning, execution and documentation of the curriculum activities such as course delivery plan, quality internal assessment question paper and assignments, teaching pedagogy methods. It also assess the extra-curricular activities that enhances the technical, inter and intra personal and soft skills of the students.

Every semester the feedback is taken from the students with a set of questionaires through ERP. Feedback is collected regarding the curriculum components, the delivery plan and execution, instructional strategies, and institutional planning. Every department has a suggestion box wherein the students can submit their suggestions confidentially. These are collected and considered need based in planning the new academic session. Every faculty maintains the daily work diary to record the everyday teaching and is signed by the HoD.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	**A. All of the above**

File Description	Documents
Paste web link of Annual reports of Institution	https://www.dsatm.edu.in/images/pdf/IQAC_MEETING_MINUTES_2021-compressed.pdf
Upload e-copies of the accreditations and certifications	[View File](#)
Upload any additional information	**No File Uploaded**
Upload details of Quality assurance initiatives of the institution (Data Template)	[View File](#)

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

Women Empowerment Cell of DSATM comprises of a Chief coordinator and female faculty & student representatives from all departments. WEC gender sensitization talks, self-defense programs, counseling sessions, health and wellness programs to alleviate fear, anxiety and stress in women, to motivate and empower them and to ensure their physical and mental well-being.

Gender equity is ensured during admissions. Equal opportunities are provided to female students in all annual events and competitions during Esperanza, CCSTM, sports and cultural meets.

Measures for Safety and Security of Women on Campus The campus, classrooms, corridors, seminar halls and other prominent locations (excluding private areas) are all under 24 hours' electronic surveillance. Security guards are stationed at all key locations within the

campus to facilitate safe movement of female students and staff. Separate hostel facility is available for ladies and gents.

DSATM has a counseling cell in the healthcare center where professional counselors counsel the female students and staff members upon their request. Designated and qualified Doctors and counselors interact with students and conduct mass counseling sessions.

Medical and Healthcare Facilities is provided for ladies with qualified female medical professional stationed to attend to the needs of female students, ladies hostel inmates and staff members.

File Description	Documents
Annual gender sensitization action plan	https://www.dsatm.edu.in/naac/AQAR/Criterion-7/7.1.1/7.1.1Gender%20Equity%20Action%20Plan.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://dsatm.edu.in/naac/AQAR/Criterion-7/7.1.1/7.1.1_Specific%20Facilities%20for%20Women.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	**A. 4 or All of the above**

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	**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

Solid waste Management: Dry waste is disposed of through an authorized external agency Karnataka State Pollution Control Board (KSPCB). Sanitary waste and cotton waste is disposed of through an external agency. Wet Waste is sent to piggeries as fodder for pigs. Used as manure for garden in the Institute, later disposed-off to vendors. Facility of Wet waste Bio-gas production is available on campus.

Liquid Waste Management- Liquid waste is treated using Sewage Treatment Plant (STP) having a capacity of 120 KLD. 85 KLD of Reverse Osmosis (RO) processed water will be used for beautifying the landscape and garden

E-waste Management-Ensure to reuse electronic resource where ever possible. Unrepairable equipment are dismantled and sent to recycle units to external agency for e- waste collection.

Biomedical Waste Management: waste like- the waste sharps and other wastes such as discarded medicines, dressing bandages, plaster casts, material contaminated with blood are all segregated, kept in a storage, sent for appropriate treatment and disposal.

Hazardous chemicals and radioactive waste management: Institute has a mechanism in place to treat ignitable and corrosive wastes. Minimization of waste generation, usage of plastic containers are some means of reducing chemical waste. Institute doesn't have radioactive waste.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	[View File](#)
Geo tagged photographs of the facilities	[View File](#)

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
Geo tagged photographs / videos of the facilities	[View File]()
Any other relevant information	[View File]()

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 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
Geo tagged photos / videos of the facilities	[View File]()
Various policy documents / decisions circulated for implementation	[View File]()
Any other relevant documents	[View File]()

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

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	C. Any 2 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	**A. Any 4 or all of the above**

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

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

Activities are conducted on campus to ensure inclusivity of diverse population:

Cultural Club celebrates festivals of diverse cultures and regions such as Navaratri,

Onam, Holi, Ganesh Chaturthi, Ayudha Pooja and other festivals

Spectrum Week and Ethnic Day: the students and staff members follow a specific colour code for each day during the week. Last day of the spectrum week will be celebrated as Ethnic day

Esperanza - Esperanza is an annual inter- collegiate techno-cultural fest celebrated by students from diverse regions and cultures. It provides platform to participate in cultural competitions or events like performing Arts, Theatrics, Dance and Music.

Cultural club celebrates Karnataka Rajyotsava with activities such as group dance, ethnic shows, literary and singing competitions representing various cultures, cuisine, clothing folklore, art and cultural forms of Karnataka.

The Institute also adopts the following initiatives

Scholarship Assistance is extended to religious and linguistic minorities, special interest communal groups to support underprivileged and minority section of population on campus.

Social Sensitization towards Inclusivity: NSS club engages them in social immersion, programs and activities like visiting old age homes, digital literacy campaigns for rural government schools, supporting in maintenance of public infrastructure etc.

participate in health awareness and health care activities

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

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

Institution celebrates all national , international, birth and death anniversaries of eminent personals. A plethora of events and activities are conducted every year to sensitize students and employees about their constitutional obligations as citizens of India

VTU has introduced a compulsory paper on the Constitution of India at Under Graduate level across all engineering disciplines to create awareness and sensitize the students and employees about constitutional obligations.

AICTE has mandated setting up of Universal Human Values Cell to facilitate students to imbibe human values which ae very essential to live in harmony with all beings on earth fulfilling the Principal of mutual coexistence. Events and activities are conducted throughout the year to sensitize students about constitutional rights and obligations.

The Internal Quality Assurance Cell (IQAC) of DSATM organized the Sensitization Program on" Constitutional Rights, Duties & Obligations of the Citizens of India". DSATM ensures right to equality in education, placements and institutional activities to all citizens irrespective of their gender, caste, creed, colour. race, Nationality, region, economic or social status. Through several activities of NSS wing of DSATM and other clubs and committees' activities are conducted to sensitize students of their rights, duties and obligations towards nation.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://dsatm.edu.in/naac/AQAR/Criterion-7/7.1.9/7.1.9_Details%20of%20Events.pdf
Any other relevant information	Nil

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 4. Annual awareness programmes on Code of Conduct are organized	A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

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

Institute celebrate all national, international days, birth, and death anniversary of legendary persons every year. Independence Day and Republic day our national festivals are celebrated on the campus during which administrators, students and staff members participate in flag hoisting while NSS unit offers the guard of honour.

World Environment Day is celebrated to create awareness about need to incorporate sustainable thought processes into systems and practices across the Institution.

International Women's is celebrated to acknowledge women achievers of DSATM, well accomplished women are invited to deliver motivational sessions and activities like yoga, meditation.

International Yoga Day is conducted to create awareness about integrating yoga practice as part of one's routine lifestyle for physical, mental, emotional and spiritual well-being

World Water Day, world architecture day. IEEE Day, Teachers' Day and Engineer's Day is celebrated and the institute conducts various technical events and seminars on this occasion. Constitution Day is celebrated on to commemorate the adoption of the Constitution of India. World Entrepreneurs' Day - Leading entrepreneurs are invited to motivate the students to pursue entrepreneurship towards building a Atmanirbhar Bharat. Alumni Day of DSATM is organized to address and appraise the latest development to minimize the gap between academia and industry.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

SPIRAL: Student Progression through Innovation & Entrepreneurship, Research & Analytics and Leadership development Objectives: • To instil research and analytical mind-set among students • To develop multi-disciplinary perspective in graduating students • To foster creativity and innovation in pursuit of excellence • To nurture entrepreneurships by providing the right ecosystem support • To develop professionals and leaders who are proactive and ready for global citizenship.

Best Practice II: IIPSEE: Industry Institute Partnership for Skill & Employability Enhancement

Objectives: • To strengthen industry ties through Memorandum of Understanding and enrich learning experience of students • To empanel industry experts on academic audit boards, project adjudication committee and get inputs from them to bridge the gap between the industry and academia • To obtain continuous support from Industry Institute Partnership Cell partners for student internships, projects, placements and mentorship assistance • To engage faculty members and students in consultancy assignments or projects with industry Partners • To encourage students to pursue internship in start-ups so that they learn about the procedures of setting up an enterprise through shadowing • To foster Innovation and Creativity among students

Link for best practice - 1 -https://dsatm.edu.in/naac/AQAR/Criterion-7/Best%20Practice%20I.pdf

Link for best practice - 2 -https://dsatm.edu.in/naac/AQAR/Criterion-7/Best%20Practice%20II.docx.pdf

File Description	Documents
Best practices in the Institutional website	https://dsatm.edu.in/naac/Criterion-7/7.2_ Best%20Practice%201.pdf
Any other relevant information	https://dsatm.edu.in/naac/Criterion-7/7.2_ Best%20Practice%202.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Establishment of ICT tools in the institution and effective ERP system for attendance monitoring, proctoring, uploading of course material, assignment and information regarding the course.

Faculty immersion program organized for all the faculty in two phases. First phase was on innovative teaching pedagogy method for effective delivery of the course with student centric approach. Second phase was on Outcome based Education, understanding the framing of course outcomes, CO-PO mapping, identifying the curriculum gap, design of balanced question paper, and attainment of program outcomes.

Encourage faculty to participate in research activities, publish research work in peer reviewed journals and conferences, write funding proposal and patent, hence create research environment. MoU were signed with industries and international universities.

Students participate and were trained on technical skills through workshops, value added programs, industry expert talks and skill development programs. Students' participation in social awareness programs organized by NSS. Establishment of technical and non-technical clubs in the institution for students to exhibit their talent and skills.

File Description	Documents
Appropriate web in the Institutional website	[View File](#)
Any other relevant information	[View File](#)

7.3.2 - Plan of action for the next academic year

To enhance Student experience: Institution has initiated various technical and non-technical student clubs to enhance their learning experience. The objectives of these clubs will ensure Students gain leadership qualities, team work, innovation, and life skills through the club activities. The clubs will promote participation at state, national and international events.

To develop and implement ICT enabled learner centric Teaching-Learning process: Institute has well planned Effective Teaching Learning process and has robust methodology for executing out the process. The institute believes in quality teaching. Content delivery and dissemination methods are continuously updated to make teaching learning more prolific

To Improve Industry Institute Interaction, Incubation and Entrepreneurship Activities: Institute has signed MoUs with industries and international universities. This will be strengthened with faculty and student exchange program, collaborative research work, projects leading to establishment of centre of excellence and incubation at campus.