SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT, BENGALURU

UDAYAPURA, OPPOSITE TO ART OF LIVING, KANAKAPURA MAIN ROAD 560082
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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Dayananda Sagar Academy of Technology and Management – DSATM, a proud member of DSI, was established in 2011. **Dayananda Sagar Institutions (DSI)** was founded by Late Sri Dayananda Sagar in the early 60's with a humble beginning of four students. Overtime, DSI has spread over the four campuses catering to the diverse educational needs. Functioning under the aegis of Mahatma Gandhi Vidya Peetha Trust Bengaluru.

The institutions are now being nurtured by Dr. D Hemachandra Sagar –Chairman and Dr. D Premachandra Sagar- Vice Chairman, the two eminent sons of the founder. Sri Galiswamy has been the secretary of Dayananda Sagar Institutions, since 1975. The MGVP Trust manages 28 educational institutions in the name of "DAYANANDA SAGAR INSTITUTIONS" and multi – Specialty hospitals in the name of SAGAR HOPSITALS - Bangalore, India. The DSI is now diversifying into state of art world class DAYANANDA SAGAR UNIVERSITY.

Dayananda Sagar Academy of Technology and Management – DSATM has seven branches of engineering- **Computer Science & Engineering**, **Information Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering, Civil Engineering, Electrical & Electronics Engineering, Artificial Intelligence and Machine Learning** another UG Program**- B.Arch.**, PG Program- **MBA,** all are affiliated to Visvesvaraya Technological University, Belagavi and approved by AICTE, New Delhi.

DSATM has scaled greater heights through its best practices and thrust area in almost all walks of performance like admissions, placements, strengthening industry ties, training programs, innovation & entrepreneurship, research and publications, funded projects, corporate social responsibility initiatives, conferences and other developmental activities. A feather in the crown is the accreditation of all engineering branches by NBA (National Board of Accreditation), DSATM received Clean and Smart Campus award from MHRD-AICTE during 2019-20.It also bagged ATAL Ranking for Institute's Innovation achievements in 2020 and has received Platinum membership under AICTE-CII Survey in 2021.

The student centric facilities include a massive library with stationery and reprographic facility, mechanized gym, indoor games facilities including carom, chess, badminton, squash, medical center, amphitheatre, auditorium, canteen and many more. There are separate hostels for boys and girls housed in the campus, along with amicable facilities ensuring utmost safety to the students.

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 & 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, health, economic, human and cultural development.

• To establish inter disciplinary center of excellence, supporting/ promoting student's 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

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- DSATM is a proud member of Dayananda Sagar Institutions which has a strong stakeholder base and a legacy of 6 decades in education
- Institute is governed under MGVP Trust which has sound financial resources to ensure effective academic delivery and administration
- Supportive, proactive and transparent governance & leadership
- Beneficiary of funding support from DST-NIMAT,ATAL-AICTE, MHRD, SMYSR and K-FIST-L1, VTU-TEQIP Cell & VGST, GOK
- DSATM delivers high quality education as a testimony engineering branches are accredited by NBA
- DSATM received Clean and Smart Campus award from MHRD-AICTE for the Sprawling Campus with excellent infrastructure & State of the Art facilities. It is located in Bengaluru, the IT hub and Silicon Valley of India
- Institution fosters Innovation and entrepreneurship as a testimony it has received ATAL ranking for Innovation achievements and is providing incubation support to aspirants
- DSATM has received platinum membership under AICTE-CII survey for its strong Industry connect with good number of functional MOUs with companies and has excellent placement record
- Institution has 8 Research Centers with good number of Ph.D. holders, actively engaged in research activities and publication
- Encouraging number of patent publications, research projects and consultancy assignments
- The Institution is accorded permanent affiliation by Visvesvaraya Technological University for majority of the courses of a program.
- Academic excellence is exemplified by excellent human resources comprising of well qualified, competent and committed professionals, great infrastructure and contemporary curriculum
- Periodical training is provided to faculty & Staff based on the training needs to keep them updated with the contemporary and emerging trends and to enhance teaching effectiveness
- OBE education is accorded priority and fully functional CBCS and elective choice system is implemented across all the programmes.
- Delivery of Content beyond the syllabus through Leadership Development activities under the Center

for Innovation & Leadership, curricular, co-curricular and extra-curricular clubs

Institutional Weakness

- Meaningful collaborations with Government Organizations to be established
- Inadequate Transport facility is a bottleneck to attract large pool of student applicants
- Networking and collaboration with foreign Universities and the Institutions of eminence should be increased
- There is a need to foster international diversity on campus
- Lack of noteworthy R & D projects and consultancy assignments

Institutional Opportunity

- Exploring the prospects of obtaining autonomous status
- Establishing tie-ups with foreign universities for exchange programs and collaborative projects
- Leveraging Industry partnerships for research funding
- Strengthening industry ties through empanelment of corporate professionals as adjunct professors
- Capacity building to accommodate more Start-ups for incubation support
- To create academically smart campus, with sophisticated ICT facilities
- To tap solar & wind energy, which are greatly fostered in India to meet campus requirements
- Increasing international career prospects for students through strategic partnerships
- To offer Management Development Programs and Executive Development Programs to working professionals
- To increase the number of Doctorates on campus and foster research activities
- Offering industry specific value added programs which would be delivered by industry professionals

Institutional Challenge

- Strengthening traditional courses in the wake of declining student interest
- Rigidity of academic structure & curriculum is a bottleneck to prepare students for global citizenship
- Competition from autonomous institutions and private universities
- Changing attitude of students towards social and human values and receding attention span of millennials
- Entry of foreign universities
- Keeping pace with the disruptive technological and pedagogical changes

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Institution imparts quality higher education ensuring effective curriculum delivery through a well-planned process and has a robust documentation mechanism in strict adherence to the planned academic calendar. Outcome Based Education is accorded priority by the affiliating University and the Institution. There are well-defined course objectives and learning outcomes aligned with Institutional Mission.

DSATM follows the affiliating university curriculum and ensures to keep pace with the contemporary and emerging trends in the contextual environment through certification courses, add-on courses, internships and projects with industry support. Students are provided with flexible Choice Based Credit system (CBCS) having access to excellent curricular and co-curricular opportunities for enhancing academic acumen, employability and entrepreneurial skills. Such initiatives are successfully contributing towards the attainment of PSOs, PEOs and PO effectively.

Courses relevant to Gender sensitivity, Professional ethics, Human Values and Community Outreach are integrated across all the programmes. There are ample number of courses or application oriented programmes inculcating experiential learning through project work, field work, and internship for students resulting in quality education. Regular feedback on syllabus is taken from the concerned stakeholders & outcomes of this process assessment serve as inputs for continuous improvement in curriculum. Administrative heads under IQAC convene annual Academic Audit Syndicate Committee (AASC) meet at the Institution level and Academic Audit Committee (AAC) meet at Department level annually which involves empanelment of representatives from Industry, Alumna and external academic experts. Based on the inputs given by the panellists of AASC and AAC curriculum enrichment initiatives are taken.

Teaching-learning and Evaluation

Institution has student community from diverse geographical regions and ethnicity and provides adequate support to cater to their varied learning needs. Diversity indicates popularity of the institution in terms of teaching learning and resources. Institution conducts proficiency assessment and offers remedial classes, tutorial classes and mentoring through proctor system to support slow learners. The advanced learners are motivated to attend- inter-collegiate competitions, paper publications, start-up projects, professional events, certificate courses and placement internships. Student-faculty ratio is optimally maintained at 1:17 to facilitate student centric learning environment.

To facilitate learner-centric environment, pedagogies like- experiential learning techniques, problem solving methodologies, collaborative projects and other context requisite techniques are adopted. Highly qualified and competent faculty members ensure effective delivery of curriculum through the use ICT tools to make teaching-learning more effective, Course content is made available to students through online uploads. Class rooms are well-equipped with LCD projectors and students are also provided access to e-repositories through digital library. A group of around twenty students are assigned a mentor from among the faculty members to assess and guide and nurture them in their academic and career pursuits.

The Institution has internal examination mechanism conducted strictly in accordance with the calendar of events of university and the Institution. Students can report grievances related to academic or administrative issues by logging into edu grieveance portal of DSATM which will be redressed quickly by the grievance redressal committee as per the procedure. Course outcomes of each and every subject are defined by the respective Course Instructors. The teaching-learning mechanism of the Institution is well structured and contributes significantly towards achievement of Program Specific Objectives (PSOs), Program Educational Objectives (PEOs) and Program Outcomes (POs). Both internal and external audit meets are conducted by IQAC to ensure effective academic delivery.

Research, Innovations and Extension

Institution has a supportive and an enabling ecosystem to foster Research, Innovation and extension activities on campus. As a testimony to this it is conferred **ATAL ranking** (ARI-C-45307) by the **Ministry of Education**, GOI based on six key parameters and sub-parameters pertaining to innovation achievements and entrepreneurship development. It is also a beneficiary of **DST-NIMAT, ATAL - MOE, MHRD, VTU-TEQIP Cell & SMYSR and K-FIST-L1, VGST- GOK funding.** Research mind-set among students and faculty members is clearly evident form - 25 Workshops/FDPs /Conferences pertaining to Research and IPR conducted, 7 books and 22 book chapters published by the instructors, **175** research **publications in SCOPUS/WOS/UGC Care List, Google h-index** ranging between 12 to 1 for most of the faculty members, no. of citations & Downloads on Google Scholar,, Scopus, WOS, cross-ref, SSRN etc., DSATM has **8 VTU recognized research centres** with **38 registered research PhD Scholars** ,The Institute has **46 Doctorates** out of whom **24 are recognized research supervisors** under VTU

There is a dedicated IPR cell to support patenting process on campus which has resulted in 4 patent publications and one patent grant for Civil Engineering Department.

Institution promotes faculty engagement in authoring books, publications, newsletters, organizing seminars, conferences, workshops, consultancy and training. It also conducts number of extension programmes like blood donation, Health check-ups, arranging field training, conduct of environmental awareness workshops, teaching underprivileged, working with NGOs, etc. under NSS forum. Institution has signed around 60 MoUs with national/international institutions/universities/ industries, corporate houses for academic and research collaborations.

Institution has MoUs with various skill councils to offer skill-based courses to enhance students' employability. Institution has faculty Exchange Programmes to enhance exposure.

Infrastructure and Learning Resources

The Organization is located on a vast expanse of 7.7-acre campus that has an ambient and architectural infrastructure that provides a pleasing environment for learning. The institution has a student-centric facility such as ICT-enabled classrooms, modern laboratories, seminar halls, and a massive library with a good number of reference books and digital library facilities having open access to books, periodicals, e-journals, NPTEL videos, VTU consortium and e-resource with OPAC system. The institution has 24X7 Wi-Fi enabled with a bandwidth of 100 Mbps and an uninterrupted power supply (UPS) of 200KW. Internet facility is available in the Institution for faculty and students. A separate maintenance team is available on the campus to ensure a perfect ambience. The institution has adequate computing facilities with 688 systems and 69 peripherals along with printing and photocopy section. The institution has Well- equipped indoor-outdoor physical education facilities such as a mechanized gym, indoor games facilities including carom, chess, badminton and squash court. It also has on offer facilities such as food-court, medical centre and Amphi-theatre. There are separate hostels for boys and girls housed in the campus with the capacity of 450 seats for boys & 300 seats for girls, along with amicable facilities ensuring utmost safety to the students. As a testimony to the state of the art infrastructure on campus which is supportive to the realization of Vison, Mission, PEOs and POs, it has received clean and smart campus award by AICTE- MHRD.

Student Support and Progression

Institution has several initiatives to support students for holistic development. Best practices and thrust areas of

the Institution focus on the development of employability enhancement skills .Some such measures include-provision of financial assistance through government scholarships and non-government free ships. The placement support to the students is extended through various skill enhancement programs and career counselling initiatives delivered through the Centre for Innovation and Leadership (CIL) and under Industry Preparedness Program (IPP). Students are also encouraged to be a part of various statutory committees; such as College Internal complaint committee, anti-ragging committee and others. They are actively engaged in curricular, co-curricular and extra-curricular student clubs like Entrepreneurship Development Cell, Research Cell, Institutions Innovation Council, IPR Cell, Robotics club, Technical and functional clubs. The complaints and issues of the students are addressed through grievance, redressal c through the grievance redressal cell. Students are motivated to take up competitive exams through orientation sessions by from experts and achievers etc. Institution facilitates the students to participate in inter-collegiate competitions. It also facilitates them to join students' chapters and professional forums. There is a supportive environment students' academic and career progression on campus.

Governance, Leadership and Management

Institution has a transparent and good governance, leadership and management which helps in effective realization of the Vision. The Governing Council, Principal and Administrative heads involve in the formulation of the Vision, the Mission and the goals of the Institution through a participative approach.

A perspective plan is prepared to realize the Vision, Mission, objectives and goals of the Institution. It comprises of the strategic initiatives that facilitate enhancement of the quality of education and attainment of the PEOs, PSOs and POs, In order to implement the strategy plan, budget proposals are submitted by the HODs to the Governing Council through the Principal for approval. Governing Council approves it after careful examination. GC also follows up to ensure its effective implementation. The Governing council reviews and ratifies the proceedings of the important meetings. 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 coordinator, etc. and allows them to function with adequate autonomy. Faculty members are also involved in Academic Audit Committee (AAC) meeting where they share their perspectives and propose methods towards realization of the Vision, Mission and goals. Which will be subsequently presented by respective HODs in the Academic Audit Syndicate Committee (AASC) meeting for careful evaluation and approval by the committee members. Key Stakeholders like students, faculty members and parents are encouraged to approach the Principal and other administrative heads and the department heads for resolution of problems that call for quick attention. Apart from this there is also an online grievance redressal portal which is accessible by the key stakeholders of the Institution. Academic Audit Syndicate committee meetings are conducted periodically to ensure effective delivery of curriculum and attainment of PEOs and POs.

Institutional Values and Best Practices

The Institution **fosters gender equity** and **has an inclusive environment** that facilitates tolerance and harmony towards various forms of diversities prevalent on campus. Women Empowerment Cell organizes gender

sensitization talks, gender specific programs like self-defense programs, counseling sessions, health and wellness programs, to motivate and empower them and to ensure their physical and mental well-being.

There is an effective mechanism for waste management on campus. Solid waste , liquid waste, e-waste, biomedical waste and hazardous chemicals are all collected separately, segregated and transported for treatment of the disposal.

 DSATM has been conducting numerous events and activities every year to **sensitize students and employees about their constitutional obligations as citizens of India and strives to uphold human values.** Celebration of commemorative days, all the activities aimed securing commitment of students and faculty members towards supporting National Missions. Constitution awareness programs are conducted for employees and students.

Institutional Best Practices captured into acronyms- Student Progression through Innovation & Entrepreneurship, Research & Analytics and Leadership Development (**SPIRAL**) and Industry Institute Partnership for Skill and Employability Enhancement (**IIPSEE**) are oriented towards preparing students for global citizenship with all the requisite skills and are well implemented. As a testimony to it Institute is conferred **ATAL ranking** (ARI-C-45307) by the **Ministry of Education**, GOI based on six key parameters and sub-parameters pertaining to innovation achievements and entrepreneurship development. It is also a beneficiary of **DST-NIMAT, ATAL - MOE, MHRD, VTU-TEQIP Cell & SMYSR and K-FIST-L1, VGST- GOK funding.**   Research mind-set among students and faculty members is clearly evident form - 25 Workshops/FDPs /Conferences pertaining to Research and IPR conducted, **175** research **publications in SCOPUS/WOS/UGC Care List, Google h-index** ranging between 12 to 1, no. of citations & Downloads on Google Scholar, Scopus, WOS, cross-ref, SSRN etc., DSATM has **8 research centres,** with **Doctorates** and many recognised **research supervisors**.

 Value driven education is the key to the development of socially responsive and environmental conscious professionals, leaders and entrepreneurs, it is considered as the priority and thrust area of DSATM. **Social Sensitization and Environmental Consciousness (SSEC)** activities conducted under NSS Club, Red Cross Society wing, and Rotract Club

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT, BENGALURU
Address	Udayapura, Opposite to Art of Living, Kanakapura Main Road
City	Bangalore
State	Karnataka
Pin	560082
Website	www.dsatm.edu.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	B R Lakshmi kantha	080-28432999	8884014465	080-2843290 9	principaldsatm@g mail.com
IQAC / CIQA coordinator	Geetha R	-	9008004004	-	hodmba@dsatm.ed u.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

Date of establishment of the college	13-07-2011

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Karnataka	Visvesvaraya Technological University	[View Document](#)

Details of UGC recognition		
Under Section	**Date**	**View Document**
2f of UGC	23-09-2017	[View Document](#)
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	**Recognition/Approval details Institution/Department programme**	**Day,Month and year(dd-mm-yyyy)**	**Validity in months**	**Remarks**
AICTE	[View Document](#)	15-06-2020	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	Udayapura, Opposite to Art of Living, Kanakapura Main Road	Urban	7.7	38164

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	**Name of Programme/Course**	**Duration in Months**	**Entry Qualification**	**Medium of Instruction**	**Sanctioned Strength**	**No.of Students Admitted**
UG	BArch,Bachelor Of Architecture	60	PUC	English	60	35
UG	BE,Civil Engineering	48	PUC	English	120	31
UG	BE,Mechanical Engineering	48	PUC	English	120	13
UG	BE,Electrical And Electronics Engineering	48	PUC	English	60	33
UG	BE,Electronics And Communication Engineering	48	PUC	English	120	85
UG	BE,Information Science And Engineering	48	PUC	English	180	118
UG	BE,Computer Science And Engineering	48	PUC	English	180	173
UG	BE,Artificial Intelligence	48	PUC	English	60	42

	And Machine Learning					
UG	BE,Computer Science And Design	48	PUC	English	60	0
PG	MBA,Master Of Business Administration	24	Any UG Degree	English	60	51
PG	MCA,Master Of Computer Applications	24	Any UG Degree	English	60	0
Doctoral (Ph.D)	PhD or DPhil,Master Of Business Administration	36	PG Degree in Respective Fieldd	English	14	0
Doctoral (Ph.D)	PhD or DPhil,Civil Engineering	36	PG Degree In Civil	English	20	1
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	36	PG Degree in Mechanical	English	40	6
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	36	PG Degree in ELectronics	English	30	10
Doctoral (Ph.D)	PhD or DPhil,Computer Science And Engineering	36	PG Degree in Computer Science	English	44	19
Doctoral (Ph.D)	PhD or DPhil,Mathematics	36	PG Degree in Maths	English	18	4
Doctoral (Ph.D)	PhD or DPhil,Physics	36	PG Degree in Physics	English	8	1
Doctoral (Ph.D)	PhD or DPhil,Chemistry	36	PG Degree in Chemistry	English	4	0

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				21				31				128
Recruited	11	8	0	19	18	12	0	30	47	72	0	119
Yet to Recruit				2				1				9

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				36
Recruited	19	16	0	35
Yet to Recruit				1

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				33
Recruited	28	5	0	33
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	9	7	0	14	8	0	2	7	0	47
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	2	1	0	4	4	0	45	65	0	121

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	20	22	0	42

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	13	10	0	23

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	276	64	0	0	340
	Female	162	28	0	0	190
	Others	0	0	0	0	0
PG	Male	24	0	0	0	24
	Female	26	1	0	0	27
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	24	30	29	22
	Female	18	21	13	17
	Others	0	0	0	0
ST	Male	6	7	7	6
	Female	4	6	4	2
	Others	0	0	0	0
OBC	Male	131	147	181	137
	Female	84	105	89	86
	Others	0	0	0	0
General	Male	171	235	233	209
	Female	93	124	124	91
	Others	0	0	0	0
Others	Male	34	0	0	0
	Female	16	0	0	1
	Others	0	0	0	0
Total		581	675	680	571

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
373	375	375	363	354

File Description	Document
Institutional data prescribed format	View Document

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
9	8	8	8	8

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2891	2865	2814	2824	2703

File Description	Document
Institutional data in prescribed format	View Document

2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
234	219	187	185	185

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
741	744	674	630	504

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
168	165	167	186	189

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
183	174	168	214	206

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 59

4.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
1087	1537	1531	1382	1162

4.3

Number of Computers

Response: 688

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

Institute has a robust mechanism to ensure effective curriculum delivery and the same is well planned and documented. Details are outlined below:

Calendar of Events (COE) Departments prepare COEs aligned with the COEs of the Institution and the University. **Subject Allotment** is done based on Expertise of the instructor prior to Semester commencement. **Time Table** is prepared and sessions are allocated based on course credits.4-sessions/week for General and Functional Core papers and 3-sessions/week for Functional Electives.

Course File, comprising a checklist of 18 to 22 items of relevance to curriculum delivery vetted by the HODs and the Principal is maintained by each Course Instructor. **Lesson Plan**, outlining the Course outcomes, strategy, pedagogical initiatives and timeline for covering the syllabus is prepared by each instructor and a work diary is also maintained.

The Components of CIE include IA test question papers, three assignments and a seminar. Adequate flexibility is allowed to instructors to decide on CIE components.

Lab manuals and Question banks based on previous university question papers are circulated to students. **Curriculum orientation** is done during SIP. Elective counselling is conducted by SME to facilitate informed choice of electives.

Course specific **Instruction methods** using **pedagogical initiatives** ranging between traditional chalk and talk to the modern tech-enabled tools and digital platforms are commonly adopted. Some methods include-presentations, brainstorming, mind-mapping, experiments, expert talks, case studies, model demonstration and field surveys

Collaborative learning - Portfolios, role plays, Team projects, Team Seminars, creative assignments and Social immersion camps are some of the initiatives in practice.

Quality of laboratory experience -Laboratories are spacious, well-equipped with adequate lighting, ventilation and ample workspace with exclusive instructional area. First-aid-facility, fire extinguishers, and essential safety devices are available. **Policy guidelines** are displayed in each laboratory. There are 47 laboratories across three programs with an average lab space of 120 meters Square. Students record observations in Lab manuals provided and submit the same to lab instructor. **Lab in-charge** prepares cycle of experiments before Semester commencement and informs students of procedures and sequence of operation during the lab sessions. Semester End Viva-voce will be conducted and evaluation is based on cumulative performance in lab internals, and viva -voce

Mini Projects are part of CIE. **Final Year Projects** -Indicative projects and guide list based on domain specialization is notified to students to ensure transparency in allotment process. On registration of the project, guides are allotted based on specialization. The quality and significance of the project is evaluated in three phases:

In Phase-I (7th Semester) two reviews are undertaken. **Review-I:** Projects are approved by the Project Selection Committee (PSC) **Review-II:** Survey paper presented during the Project Symposium is evaluated .Papers are checked for plagiarism at a threshold limit of 15% similarity content.

Phase-II & III (8th Semester): Work progress is tracked and quality is examined. Reports are evaluated during project exhibition.

IQAC team of DSATM has a vigorous feedback mechanism to identify the areas of improvement in curriculum delivery planning and documentation and it improves the related processes and systems accordingly.

File Description	Document
Upload Additional information	[View Document](#)

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

All the activities and events conducted within the Institution strictly adhere to the Academic Calendars of the affiliating University, Institution and Departments. Once the affiliating University releases Academic Calendar officially, Principal convenes HODs-meeting and prepares an Institution Calendar of Events in discussion with the IQAC members and the same is disseminated from the Principal's office to the HODs and Staff as a circular and by email. HODs prepare a Department COE based on the Institution and the University COE in discussion with the concerned class coordinators and faculty members. The same is disseminated to the faculty members and students well before the commencement of the Semester through a circular, email notification and by posting on the respective class notice board.

Advance dissemination of COE will help the faculty members to prepare their lesson plan and course files. Students would also find it convenient to plan for the submission of assignments, prepare for Internal Tests and have clarity about Internships, Project Work and about the Semester break. Placement Cell will be able to communicate to the recruiters on when students would be able to join for internships or fulltime placements based on the academic calendars.

The Academic Calendar **termed as Calendar of Events (COE)** encompasses **the Date of Commencement of the Semester** which is mostly in the months of February and September for Even and Odd Semesters respectively. It also comprises of the Orientation & SIP dates which is usually three weeks' for first year UG students as indicated in the Academic Calendar of affiliating University. **Time Table** is planned in accordance with the **Date of Commencement and Last Working day** indicated in the Academic Calendar. **Lesson plans** are prepared by the instructors in which they outline the course delivery plan in accordance with the timeframe specified calendar. **Work Dairy** is maintained by the instructors to

keep track of the timeframe for curriculum delivery as per the **Academic Calendar**. All Programs follow the dates specified in the Academic Calendar to schedule three **Internal Assessment Tests** which are essential components of **Continuous Internal Evaluation (CIE)**.

Program specific **activities & Events** are planned based on the Slots provided in Academic calendar. Events /activities like expert talks, workshops, Developmental Programs fests, Seminars and Conferences are conducted as per the academic calendar. COE also specifies the **duration and dates** during which **Internships/Projects/Case Portfolios** should be undertaken by the students as per the University COE. BE students undergo four weeks' internship at the end of 6th Semester, BArch Students undertake four months of Case study and submit a case portfolio in which they report the observations related to a specific monument/building and MBA Students undergo 10 weeks' industry internship during the program at the end of Second Semester (4-weeks) and at the end of 3rd Semester (6-weeks) as per the University COE schedule.

The Academic Calendar facilitates in planning for implementation of events and activities orientated towards realization of the Vision, and Mission of the Institution.

File Description	Document
Upload Additional information	[View Document](#)

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. **Academic council/BoS of Affiliating university**
2. **Setting of question papers for UG/PG programs**
3. **Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
4. **Assessment /evaluation process of the affiliating University**

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View Document](#)
Any additional information	[View Document](#)
Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective

course system has been implemented

Response: 100

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

Response: 9

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

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 65

1.2.2.1 **How many Add on /Certificate programs are offered within the last 5 years.**

2020-21	2019-20	2018-19	2017-18	2016-17
8	18	20	10	9

File Description	Document
List of Add on /Certificate programs	View Document
Brochure or any other document relating to Add on /Certificate programs	View Document

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 35.99

1.2.3.1 **Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1055	1294	1417	762	567

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

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

Response:

The institution rigorously follows the curriculum designed by Visvesvaraya Technological University which reflects the ideology of New Education Policy 2020 emphasizing on converging issues such as universal human values, social responsibility, professional ethics, gender sensitivity, ecological & environmental concern & sustainable thinking in formative & higher education.

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 to impart holistic education to develop engineers, entrepreneurs, managers & professionals who are socially sensitive, ethically responsible & environmentally conscious.

The focus of these courses is entirely on sensitizing students about the cross cutting issues under discussion Apart from these, majority of the courses touch base on either one or the other cross-cutting issues like Professional Ethics, Environment, Human Values and Sustainability. Besides the above, several supplementary enrichment programs & activities are conducted by the Institution to instill a sense of awareness about society, environment, constitution, professional ethics, values and gender inclusivity.

Professional Ethics

Professional Ethics is embedded in students though seminars, webinars, professional training activities & workshops orienting them to develop ethical approach in all their professional pursuits & interests.

Gender

Institution has Women Empowerment Cell to ensure safety, security, well-being & inclusivity of women. For the purpose, it conducts series of activities like: Gender sensitization workshops, Counselling sessions, Self-defense programs, 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 to develop human values in prospective Engineers, Managers & Architects. Some of the activities include-Drug awareness Program, Visit to Pay Homage to Martyr of Pulwama Attack, Participation in Flood Relief Activity, Visits to government schools,

orphanages, old age homes, blind school, Participation in Rural development, Digital literacy Programs for under privileged, Constitutional awareness programs, Blood Donation camps, etc. Such initiatives are oriented towards the realization of National Missions like **Swaacha Bharath Abhiyan, Unaath Bharat Abhiyan, Atmanirbhar Bharat**, **Ek Bharat Sresht Bharath** etc.

Environment and Sustainability

To contribute towards the realization of **Sustainable Development Goals** of UNO & NITI Aayog, Institution takes responsibility of developing Professionals & Entrepreneurs who are environmentally conscious & capable of developing sustainable solutions to cater to diverse professional needs of the society. Activities facilitating in preparation of students for global citizenship include- participation in rally for rivers, to create environment awareness though art work & painting, sapling plantation programmes, go-green lecture series, workshops, seminars on sustainable technologies covering Renewable energy, electric vehicle, energy & environment, Water treatment & management for sustainability and rain water harvesting.

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

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 8.78

1.3.2.1 **Number of courses that include experiential learning through project work/field work/internship year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
31	40	38	29	24

File Description	Document
Programme / Curriculum/ Syllabus of the courses	[View Document](#)
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	[View Document](#)
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	[View Document](#)
Any additional information	[View Document](#)

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year

Response: 31.51

1.3.3.1 **Number of students undertaking project work/field work / internships**

Response: 911

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	[View Document](#)
Any additional information	[View Document](#)

1.4 Feedback System

1.4.1 *Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni*

Response: A. All of the above

File Description	Document
Any additional information (Upload)	[View Document](#)
URL for stakeholder feedback report	[View Document](#)

1.4.2 Feedback process of the Institution may be classified as follows: Options:

   1. Feedback collected, analysed and action taken and feedback available on website
   2. Feedback collected, analysed and action has been taken
   3. Feedback collected and analysed
   4. Feedback collected

5. Feedback not collected

Response: C. Feedback collected and analysed

File Description	Document
Upload any additional information	[View Document](#)
URL for feedback report	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 70.17

2.1.1.1 **Number of students admitted year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
536	636	646	530	574

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
960	900	780	780	780

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

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

Response: 55.28

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

2020-21	2019-20	2018-19	2017-18	2016-17
119	72	150	58	150

File Description	Document
Average percentage of seats filled against seats reserved	[View Document]
Any additional information	[View Document]

08-10-2021 10:04:16

2.2 Catering to Student Diversity

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

Response:

A systematic approach is adopted to assess the learning levels of the students based on which slow and advanced learners' are profiled. As per the AICTE & VTU Guidelines 3-Weeks Student Induction Program (SIP) is conducted for UG students during which they are familiarized with various learning opportunities available to them under curricular, co-curricular and extra-curricular clubs/committees/cells. After the SIP, students are profiled into slow & advanced Learners based on their cognitive abilities, logical reasoning, conceptual understanding, quantitative aptitude, communication & technical skills using an objective assessment tool in association with an Industry partner. This is a preliminary assessment mechanism to identify the students based on their learning ability.

Eventually other assessment methods like- Class interaction & responsiveness, Continuous Internal Evaluation in Lab performance and Internal Assessment Tests, Semester End Examination performance, Seminars & presentations, Project presentation, Assignment Evaluation score and Proctors feedback facilitate in profiling slow and advanced learners so as to facilitate their learning and progression through appropriate programs.

Measures are taken to address the specific issues that hamper the learning effectiveness of students. **Proctorship system** is one such effective intervention. Each student is allotted a proctor who will monitor and track their academic performance and assist them continually on the issues which hinder their academic progress and affect their ability to learn. **Remedial or tutorial classes** are conducted for them by the concerned course instructors to improve their performance. During **class interactions, probing questions** are asked for **reinforcement of concepts** to slow learners. Recapturing & summarizing methods are followed by most of the instructors to enhance learning effectiveness for slow learners. **Teaching aids** like charts, graphs, models, video cases, PowerPoint presentations are used to augment learning effectiveness.

Advanced learners are encouraged to secure University Ranks and also to take up competitive examinations like Civil Services exams, GATE, GRE, TOEFL and others.

They are also supported to participate in **external events** like paper presentation, quizzes, and project exhibitions organized outside the campus. 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 (Karnataka State Council for Science and Technology) for funding support. **Application fee is borne by the institution**. Some of the projects have received funding support too. Advanced learners are encouraged to complete **courses on MOOC platforms** NPTEL, CISCO, COURSERA, UIPATH, and ORACLE Certified Courses. They are nominated to co-ordinate the functioning of Technical & Management clubs in the Institution. They are also actively involved in fests & events.

Advanced learners are facilitated to engage in **paid internships**. **Entrepreneurship Developmental**

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

The strategies are found to be helping in enhancing the learning effectiveness of slow learners. Special Programs for advanced learners have helped them to secure University ranks, and has developed many successful entrepreneurs.

File Description	Document
Upload any additional information	[View Document](#)

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

Response: 17:1

File Description	Document
Any additional information	[View Document](#)

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

The institution adopts innovative pedagogies with ICT enabled tools to cater to the diverse needs of intellectual, aural, visual and kinesthetic learners. Techniques like experiential learning, participative learning, problem solving, simulation and immersive activities are adopted to enhance the intellectual, cognitive, emotional and behavioral capabilities of students. Some of them are indicated below:

Experiential Learning: The institution provides a wide range of learning opportunities that engage students in gaining exposure to real-world scenarios and emphasize student interaction throughout the learning process. Experiential techniques like- **Field surveys** are undertaken by students of MBA, Architecture and Engineering. The objective of survey is Course specific, MBA students undertake the survey to gather data to analyze and solve a problem, while architecture and civil engineering students take it up for live exposure and understanding of architectural and engineering nuances.

Industrial site visits are organized to expose students to the practical aspects of the theoretical concepts learnt in classroom teaching. **Internships** provide the requisite training and experiential learning opportunities in a professional working environment for development of skills and competencies essential for employability enhancement.

Projects enable students to identify problems, design and develop applications, products or solutions to solve the problems. **Social Immersion Programs** NSS club and Red cross wing of DSATM organize social immersion activities in which students are sensitized about the need to respond to the societal and

environmental problems.

Participative learning techniques are adopted to foster shared responsibility and collaborative efforts towards common goal attainment. Activities like **Project Symposia, Seminars & Presentations** facilitate students to apply their complementary skills to prepare projects, seminar papers, slide shows and case analysis. Such initiatives will enable them to learn skills from each other and acquire team management, conflict resolution, and negotiation and communication skills. **Mind Mapping, Brainstorming, and Pop up Quizzes & Puzzles** stimulate the participants to think logically and rationally, it will enhance their ability to solve problems and make decisions. It will also boost their creative, analytical, critical and evaluative skills.

Problem solving methodologies provide an opportunity to think critically and find solutions. - Projects**, Case Studies, Mini Project reports** are some techniques adopted to facilitate students to identify problem, sand find solutions using their analytical and critical skills. **SWOC Analysis** helps students to identify strengths, weaknesses, opportunities and challenges within a case.

ICT enabled pedagogical tools like LCD projectors, MS Office suite, Licensed and open source analytical tools are facilitating students to understand the concepts well through practical exposure. High speed Wi-Fi facility of 100Mbps on campus enables access to e-database repositories such as Springer, Elsevier Science Direct, Taylor and Francis online, Nimbus, National Digital Library Resources, NPTEL, Swayam and others some of which are subscribed resources while others are open sources.

Diverse pedagogies are used across programs to make the courses more engaging and to facilitate effective learning through student participation.

File Description	Document
Upload any additional information	[View Document](#)

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Instructors 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 such as projectors, online teaching-learning platforms, Content authoring, content Management Systems interactive online Heutagogical tools or applications like padlets and others.

The campus is totally technology enabled with 24X7 Wi-Fi and internet facilities for the staff and students. Internet leased line with fiber optic technology is implemented in the campus powered by Airtel with the speed of 100 MBPS 1:1 CISCO and DLINK devices are used for switching process with minimum 24 and maximum 42 port capacity. 200 Airtel Wi-Fi access points are placed throughout the campus for uninterrupted internet access. Totally 688 computers with LAN connection are available on the campus for the access of students and instructors to ensure effective teaching-learning. All the classrooms and Laboratories are Wi-Fi enabled with well-furnished computers, LCD projectors with screen; portable audio systems are also available

Online video conferencing tools adopted on campus include Cisco Webex, Google Meet, Zoom and Microsoft Teams for conducting classes online by all the course instructors whenever needed. Moodle-bigourd and google class room are the **Learning Management Systems** used for sharing the course content and for submission of assignments. **Audio-visual aids** like PowerPoint Presentations, SWAYAM & NPTEL Lecture series, YouTube Videos are integrated with teaching to enhance learning effectiveness. **Modelling tools like** - MATLab, Power world Software, P-Spice, LabView, Eviews software are used by engineering students wherever appropriate. Analytical tools like- IBM SPSS(Statistical Package for Social Sciences) student trial version, MS Office Advanced Excel tool, R-Analytics, Python, MAT Lab are integrated to familiarize students with the application of tools for research and project work. E-Governance Platform, Website & Social Media Channels are other ICT tools used for communication with students.

The digital library of the college is having 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.

File Description	Document
Upload any additional information	[View Document](#)

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

Response: 20:1

2.3.3.1 Number of mentors

Response: 145

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

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 92.94

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 22.58

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

2020-21	2019-20	2018-19	2017-18	2016-17
53	46	34	35	27

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

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

Response: 4.93

2.4.3.1 **Total experience of full-time teachers**

Response: 827.71

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

2.5 Evaluation Process and Reforms

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

Response:

Internal Assessment Test are meticulously planned based on the policy guidelines. A systematic approach & well defined process is used for conducting internal assessment test as described below:

- As part of Continuous Internal Evaluation (CIE), Three internal assessment tests scores, Average of three Assignments scores, Creative Assessment scores are considered. Adequate flexibility is ensured to instructors in planning & designing the assignments for creative assessment.
- For each semester, three Internal Assessment Tests (IAT) are conducted as part of continuous internal evaluation as per the university directive. A streamlined process is followed in scheduling IAT. Departments notify the dates for Internal Assessment Tests in their respective calendar of events prepared in alignment with institution calendar.
- Instructors, Students, Placement cell & other stake holders are communicated about the internal Assessment test dates to enable them to plan & prepare for the same.
- Syllabus for internal assessment will be communicated to students well in advance.
- Question papers are framed by respective course instructors prior to the commencement of test to examine the higher cognitive levels of students. The questions are aimed to test the comprehensive, analytical, critical & creative skills of students.
- Question papers will be scrutinized & finalized by Academic Monitoring Committee constituted by the departmental head in consultation with the administrative heads of the institution.
- IA (Internal Assessment) coordinator of respective departments will steer the process of conducting Internal Assessment. IA test date & time scheduling, allotment of invigilation duties, room & seat allotment, timelines for submission for question papers, and evaluation of answer scripts decided by the IA co-ordination in consultation with departmental head.
- To ensure transparency & objectivity in assessment process, Scheme of evaluation is used as a rubric.
- Internal Assessment test are conducted periodically every month to ensure continuous evaluation of the learning effectiveness.
- Well trained invigilators administer the test. Besides this, E-surveillance mechanism is used to ensure transparency & fairness in conduct of examinations.
- Internal Assessment test books (Blue books) & lab records provided by the institution & used for documentation of IATs.
- Results are notified to students & parents through multiple channels like Notice board, E-governance 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	Document
Any additional information	[View Document](#)

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

Response:

The institution strictly adheres to the guideless and rules defined by the affiliating University for the conduction of Internal Assessment Tests and Semester End Examination. As per the mandate of the All India Council for Technical Education (AICTE), an online Grievance Redressal system, Edu Grievance is established in the institution which functions to the satisfaction of students, parents and other stakeholders ensuring greater confidentiality and transparency in dealing procedure. The system ensures prompt redressal of grievances pertaining to the examination that are reported by students or staff and provides timely succour to aggrieved students/Professors/Parents or other staff.

Grievance Redressal Mechanism at DSATM: Edu Grievance portal of DSATM is a comprehensive complaints redressal system which has streamlined the grievance mechanism in the institute with speedy solutions. It enables the grievance redressal committee to receive and act on complaints and grievances reported by students, teachers and parents as well as to inform AICTE regarding the number of grievances received, disposed-off and pending through online monthly status report. The portal is user friendly integrated Grievance Redressal system to which stake holders like students, faculty members, Non-teaching staff, parents & Management gain access through registration & log in after authentication by the portal admin.Any kind of grievances related to internal examination or any other form of grievance can be reported via Grievance Redressal web portal to the designate member of the grievance Redressal committee who holds the concerned portfolio related to examinations. The Dean Examination who is concerned member will discuss with the committee head & follow the procedural norms for speedy redressal & resolution of the grievance.

Procedure for reporting a grievance:

- Aggrieved students, parents, teachers or staff can log into the grievance redressal portal using unique username and password generated after authentication by the portal admin
- Complaints or grievances related to academic or examination matter if any are registered online
- Status of complaints can be checked from time to time
- Admin and grievance committee members can login and view complaints and post solutions.
- Status reports with details on grievances received, disposed-off or pending can be accessed on the portal by signing in

Thus grievance redressal system of the institution is robust and responsive to various issues faced by the stakeholders concerned and disposes them promptly and impartially thereby fostering harmonious atmosphere in the campus by upholding dignity and honour of every one and strengthening the student-educator relationship.

File Description	Document
Any additional information	View Document

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.

Response:

At the institutional level, Instructors & Students are made aware of Programme Outcomes (PO) & Course Outcomes (CO) to enable comparative assessment of the standards for transfer of knowledge skills & abilities specified under the program. It ensures transparency & credibility in terms of quality assurance & helps to set shared expectations between students and instructors.

Creating awareness about outcomes of Programme & courses offered by the institution leads to constructive alignment of students & instructors to the programme / courses with which they are associated. Hence the the Program Outcomes are communicated to teachers & students through - Website of the Institute (http://www.dsatm.edu.in), Class Rooms and Department Laboratories, Display boards in prominent locations, Academic files of course instructors, Laboratory Manuals, Staff Room and HOD cabin.

The Course Outcomes of all the Courses in all the Programs are communicated through respective course documents which includes -Academic file, Faculty work diary, IA question papers, Laboratory Manuals, Assignments and Question banks

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

Prior knowledge about COs, POs and PSOs will facilitate the instructors to map their curriculum delivery methods to attain the expected Course Outcomes (CO) & Programme Outcomes (PO). It will enable the instructors to have a clear sense of direction in planning their assessment tools & instructional methods. Educators can ensure transparency in curriculum delivery when POs & COs are communicated to the students well in advance of the course / programme commencement.

Through outcomes, Learners will get to know about higher order thinking & application skills that students can acquire by enrolling to a particular program. This enables them to stay focused & make informed choices. Helping students learn more effectively.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	[View Document](#)
Upload any additional information	[View Document](#)

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

Response:

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. Extensive attention is given to the needs, interests and skills of students. Institution is ranked 17th in All India OBE Rankings-2021.

The affiliating University ensures to design the curriculum based on the expected Course and Program outcomes. Students are informed well in advance about the Course and Program Outcomes in order to offer them expanded opportunities to learn. Then CO-PO attainment levels are measured using a standard excel template developed considering all the essential parameters relevant to the process. This template assesses the attainment of COs specific to each course with respect to the components of assessment predefined under Continuous Internal Evaluation (CIE) & Semester End Examination (SEE) by course instructors.

The threshold limit for CO attainment levels are set at 60% depending upon the performance based calibration of students. The components under direct assessment are three internal assessment tests, SEE scores, laboratory, project & seminar evaluation, assignments, creative assessment and practical components. Indirect assessment includes survey feedback from alumni, graduating students an employers.

Based on the CO attainment level for each course, PO & PSO attainment levels are computed following the procedure below:

Step-1: CO attainment Threshold limit is set at 60%

Step-2: Each Question in IAT is mapped to a particular CO

Step-3: CO Percentage for each question is calculated using-

CO % = No. of students attempting the question/ No. of students attending @ threshold limit of 60% * 100 (example for a question carrying 3 marks mapped with CO1, if all 10 students who have attempted that question score above 1.8 (60% attainment) then CO1 % = 10/10 *100= 100%)

Step-4: Based on the CO % calculated, CO attainment Level for each question is defined between 1 to 3 levels (<60%- Nil, 60-70 % =1, 70 -80% =2 and >80% =3)

Step-5: Average CO attainment percentage for each CO is computed based on average attainment levels for all the questions in IATs of CIE that are related to attainment of that particular course outcome. Then attainment levels are defined as per **Step-4**.

Step-6: Final CO attainment percentage and levels aggregating CIE and SEE are calculated assigning 20% weightage to CIE and 80% weightage to SEE based CO attainment% and levels are assigned as per **Step-4**.

Formula: (CIE CO attainment % * 0.2) + (SEE CO attainment % * 0.8)

Step-7: CO-PO/PSO Mapping values between 1 and 3 are assigned by the respective Course Instructors and then PO/PSO attainment levels for each of the POs are calculated using formula:

PO/ PSO   Attainment Level(Direct Method) = Final Mapping value between CO-PO * Final CO attainment/ Maximum Mapping Value

Step-8: Finally both PO attainments from direct and indirect methods are aggregated to know the actual attainment level.

Based on the gaps identified in attainment level strategic initiatives are planned in alignment with the Vision and Mission of the institution.

File Description	Document
Upload any additional information	[View Document](#)

2.6.3 Average pass percentage of Students during last five years

Response: 96.34

2.6.3.1 **Number of final year students who passed the university examination year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
662	719	645	608	525

2.6.3.2 **Number of final year students who appeared for the university examination year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
694	744	660	642	540

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View Document](#)
Upload any additional information	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.49

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document

Criterion 3 - 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, Chairs in the institution during the last five years (INR in Lakhs)

Response: 56.8

3.1.1.1 **Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
1.765	4.16	20.75	30.085	0.04

File Description	Document
List of endowments / projects with details of grants	[View Document](#)
e-copies of the grant award letters for sponsored research projects / endowments	[View Document](#)

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

Response: 17.86

3.1.2.1 **Number of teachers recognized as research guides**

Response: 30

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 48.78

3.1.3.1 **Number of departments having Research projects funded by government and non-government agencies during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
6	6	4	3	1

3.1.3.2 **Number of departments offering academic programes**

2020-21	2019-20	2018-19	2017-18	2016-17
9	8	8	8	8

File Description	Document
Supporting document from Funding Agency	[View Document](#)
List of research projects and funding details	[View Document](#)
Any additional information	[View Document](#)
Paste link to funding agency website	[View Document](#)

3.2 Innovation Ecosystem

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

Response:

Innovation and entrepreneurship spirit are embbeded in the culture of DSATM as evident from 61 MOUs with companies, 8 research centers on campus which foster research, innovation and creativity, Rs. 1,10,00000 funding support from various governmental and non-governmental organizations to pursue research, innovation and entrepreneurship developmental activities. Institution has one patent grant, 3 patent publications and has filed 21 patents. It has also received funding support for 4 VGST and 18 KSCST projects.As a testimony to its innovation culture, Institution has received **ATAL Ranking for Institutions Innovation Achievements (ARIIA) from the Ministry of Education (MoE), Govt. of India and has also secured a funding support of Rupees 7.6 lakh for establishment of Innovation Lab** on campus from a Singapore based Fintech company. **Institutes Innovaton Council(IIC)** of DSATM has been proactively nurturing innovation and creativity on campus through Ideation Workshop, Logo Design Contest, Business Pitch Decks,Rapid Prototyping, Hacakthon, introductory-talk and full fledged courses on Blockchain Technology and Cryptocurrency Simulation and Gamification activites, for students.

Entrepreneurship Development Cell(EDC) of DSATM envisions to nurture Entrepreneurship to support the National Mission of Aatma Nirbhar Bharat ('self-reliant India'). A systematic approach is adopted towards this end. **Six entrepreneurship development camps** f**unded by NSTEDB- DST and**

Entrepreneurship Development Institute of India(EDI) were organized at the Institute under **NIMAT project** ,**Government of India**. Around **500 entrepreneural aspirants** on campus benifitted from the program. During the camp, Distinguished experts from diverse backgrounds were invited to create **awareness** about the eco sysytem support available for entrepreneurs from Government and Non-Governmental agencies. 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 alumini entrepreneurs to share their experiences to **inspire and stimulate** entrepreneurial aspirants.**Ideation workshops were conducted at** the end of Entrepreneurship camps during which students were motivated to come up with innovative and sustainable business ideas or technological solutions to address pressing social issues. **Buiseness Pitch Deck**s were arranged to provide prospects, a platform to pitch their business proposals for possible extension of ecosystem and pre-incubation support on selection. **Rapid prototyping** sessions were conducted to encorage the participants to design and develop a prototype of their proposed product to be evaluated by a panel of adjudicators for extension of incubation support.

Eco System Support: The ED Cell extends networking support to entrepreneurial aspirants by connecting them to the alumini entrepreneurs, Government and Funding agencies, Non-Govermental agencies and other supporting organizations. The Institute has entered into MOUs with some of the organizations engaged in entrepreneurship development that can help aspirants through the registration process and other specific support as needed. As a testimony to the embedded entrepreneurial culture at DSATM, Six start-ups are incubated on campus and many students have won prizes in inter-collegiate Business-Plan Hackathons.Institution has received funding support of Rs. 1,20000 from NIMAT-DST.

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

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

Response: 24

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

2020-21	2019-20	2018-19	2017-18	2016-17
7	6	8	2	1

File Description	Document
Report of the event	
List of workshops/seminars during last 5 years	
Any additional information	

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 1.42

3.3.1.1 **How many Ph.Ds registered per eligible teacher within last five years**

Response: 54

3.3.1.2 **Number of teachers recognized as guides during the last five years**

Response: 38

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	
Any additional information	
URL to the research page on HEI website	

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

Response: 1.31

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

2020-21	2019-20	2018-19	2017-18	2016-17
38	47	63	39	42

08-10-2021 10:04:22

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 1.14

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 last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
15	43	73	36	32

File Description	Document
List books and chapters edited volumes/ books published	View Document
Any additional information	View Document

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 last five years.

Response:

Institution's thrust and priority area is to develop value driven professionals and leaders who are socially sensitive and environmentally conscious. 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.

Some of the awareness programs conducted to sensitize students include- awareness about traffic rules, participation in roadshows and rally for rivers campaign of Isha foundation to garner public support to save rivers, gender sensitization programs, awareness on human rights, health and hygiene, awareness program on drug abuse and prevention, awareness about terrorist activities and measures to counter them, awareness about pollution control and others

NSS unit also encourages students to work towards **alleviation, mitigation or minimization of such**

social problems by participating in extension   and community development activities. Some such initiatives involving participation of students under NSS wing include- adoption of neighborhood villages to identify and address the developmental challenges under **Unaat Bharat Abhiyan(UBA)** Mission of the Government of India, Cleanliness drives, Green environmental initiative and plantation drives and preservation of natural resources like water bodies under **Swachh Bharat Abhiyan** mission of GOI, blood donation camps in association with Rotary club and Lions club, blood stem cell donor registry drive in association with DATRI an NGO, Free eye- check-up camps, Vaccination drives , and such other initiatives like Training of Rural women to sensitize them about domestic violence and dowry harassment, Donations to flood relief victims of Coorg District in Karnataka and so on.

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**.

Engagement of students in such extension activities will help them to understand the problems faced by the underprivileged section of the society and respond to their needs by helping those in distress. It fosters a spirit of brotherhood and inculcates in them deep rooted values which lead to their holistic development.

Institution has MOUs with Art of Living, VDM India on the Move and Rotaract Club to jointly work on extension activities.

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

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 9

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	3	5	1	0

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document

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

Response: 31

3.4.3.1 **Number of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
6	7	10	6	2

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 28.86

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 last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1311	364	1277	1050	100

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document

3.5 Collaboration

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

Response: 527

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

2020-21	2019-20	2018-19	2017-18	2016-17
91	139	98	168	31

File Description	Document
e-copies of related Document	View Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	View Document

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 61

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

2020-21	2019-20	2018-19	2017-18	2016-17
8	13	24	14	2

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	[View Document](#)
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	[View Document](#)
Any additional information	[View Document](#)

Criterion 4 - 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.

Response:

The Institution has state of the art infrastructure that facilitates effective academic delivery and enhanced learning outcomes. Well-equipped classrooms, computing equipment, laboratories, auditoriums, seminar halls, research centers, student clubs, incubation center, studios, administrative block and all other support facilities cohesively enrich the learning experience. The entire campus is built keeping sustainability and inclusivity in perspective as a testimony for which it has received Clean and Smart Campus award from AICTE in 2019.

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.

Department library, and other essential amenities are housed in separate blocks. The architecture of each block is designed with precision to cater to the diverse learning needs of students across various programs. Infrastructure of the Institute is also responsive to unprecedented situations like COVID-19. It ensures a clean and safe environment to students and other concerned stakeholders. Digital technology platforms powered by high speed internet facility are fully functional to enable access to uninterrupted education amidst uncertainty. The facilities for teaching learning comply with statutory requirements of AICTE. The Institution has a total of 55 classrooms, 47 laboratories, a well-stocked central library, 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. All the classrooms are equipped with Wi-Fi and LCD facility. Effective utilization of infrastructure is ensured through availability of adequate number of well qualified course instructors, lab technicians and system administrators. Apart from the centralized library, separate department level library facility is also available.

Physical facilities for teaching learning: The available physical infrastructure is optimally utilized beyond regular college hours to conduct certificate courses, co-curricular activities/extra - curricular activities, proctor meetings, placement training, seminars, conferences, symposia and colloquia. Every department has dedicated lab Instructors and adequate number of laboratories and classrooms as per Statutory norms. Each laboratory is equipped with sufficient number of required hassle free well-spaced work areas for conducting experiments.

The Central library Block housed in 2512.08 SQM Carpet area has four floors with a seating capacity of 200 users. It is equipped with a 29002 Volumes, 5559 titles, 1095 CDs/DVDs, 250 bound volumes of reference books and 67 journals along with Edu sat, digital library, reprographic services and printing facility.

Every department has computer laboratory for imparting on-line training, examinations, aptitude tests, project work and competitions. The institution has adequate computing facilities with 688 systems and 69 photocopiers some of which come with scanning and printing facilities. Students can use OPAC(Online

Public Access Catalogue) to gain access to e-resources which include 690 Springer Journals, 14512 e-books, 304 Science Direct Journals, 555 Taylor and Francis Journals and several other e-books.

The institution regularly augments new infrastructure as essential to maintain, renovate and segment the existing ones.

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

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

Response:

The Department of Physical Education and Sports Science serves as a vital and integral part of student life on campus. The institution has adequate amenities for sports & cultural activities.

Sports, games (indoor, outdoor), gymnasium facilities: Institution has a Basketball court of 550 SQM area which can be utilized optimally 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. There is provision for usage of sports and gym facilities by students which will be scheduled by the Physical Education Director (PED).

Adequate and well equipped Gymnasium facility is available with Treadmill, Cycling, Dumbbell and Plate set, Weight lifting set and Bench Press. **Sports facilities** which includes 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 with prior scheduling in discussion with the Physical Education Director (PED). To promote sports and physical activities Physical Education Director motivates students to participate in inter-collegiate and university level sports activities. He supported to participate in events and activities hosted at regional, national and international levels.

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. The management provides all facilities and support for organizing event with splendor.The college encourages the students to take part in cultural activities that enable them to showcase their latent skills and talent in various events.

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

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. *(Data for the latest completed academic year)*

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 59

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

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

Response: 12.72

4.1.4.1 **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
00	89.23	425.35	229.52	155.96

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	[View Document](#)
Upload audited utilization statements	[View Document](#)
Upload any additional information	[View Document](#)

4.2 Library as a Learning Resource

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

Response:

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 interaction with the system. Multiple reservation facility to reserve the book which has been issued.

File Description	Document
Upload any additional information	View Document

4.2.2 The institution has subscription for the following e-resources

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases
6. Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

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

Response: 735146.8

4.2.3.1 **Annual expenditure of purchase of books/e-books and subscription to journals/e- journals**

year wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
270005	1415869	678147	1171319	140394

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	[View Document](#)
Audited statements of accounts	[View Document](#)
Any additional information	[View Document](#)

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

Response: 11.34

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

Response: 347

File Description	Document
Details of library usage by teachers and students	[View Document](#)
Any additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Institution has quality **IT infrastructure** supporting professional requirements of higher education. Every class room is provided with **LCD, LAN / Wi-Fi facility** and lab instruction area with Liquid Crystal Display Projector (LCD) Projection screens. LAN and Wi-Fi facilitate better delivery of curriculum through the integration of Information and Communication Technology.

Entire campus has Wi-Fi facility & all systems are connected by LAN. 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. Airtel internet service ensures

connectivity with zero fault tolerance.IT infrastructure has become more robust across the campus as all instructors have switched to on-line mode of class delivery using Zoom, Cisco-Webex, Google Meet, Microsoft teams and other platforms Some departments use Bi-gourd Moodle ,an indigenously developed Learning Management System(LMS).

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. It is headed by the CIO at the corporate level and at the Institution level, it is headed by the IT Manager under the leadership of the Principal. Two systems managers and 10 lab Instructors support the EDP department in maintenance work. 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. Systems upgradation is based on outdated system configuration. Institution has totally 688 systems 69 peripherals and high speed photo copier with scanning facility in printing section. Centralized Microsoft academic 400 user license was procured by the EDP Cell to enable access to upgraded version of Windows and MS office tools.

Website of the Institute is maintained and updated periodically as and when required by a team of dedicated web developers under the leadership of a Chief Information Officer. Requests for maintenance and updation are submitted by the HODs to the Website Maintenance Department after Principal's approval for necessary action.

Institute migrated from manual documentation and record keeping to e-governance through integrated suite of applications facilitating admission process management, attendance management, Content sharing, dissemination of information related to Internal Assessment Test evaluation management, push-messaging services and a few other academic and administrative functions. A new proposal is underway to migrate from e-governance to integrated Enterprise Resource Planning System.

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

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 4:1

File Description	Document
Upload any additional information	[View Document](#)
Student – computer ratio	[View Document](#)

4.3.3 Bandwidth of internet connection in the Institution

Response: A. ?50 MBPS

File Description	Document
Upload any additional Information	[View Document](#)
Details of available bandwidth of internet connection in the Institution	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 53.12

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

2020-21	2019-20	2018-19	2017-18	2016-17
00	1099	1075	922	664

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

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

Response:

The Institution has an established set of procedures and systems governed under policies for utilizing and maintaining the physical, academic and support facilities

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 Head of the department after ratification and approval from the Principal and the Management. The facility department undertakes the maintenance work immediately after the approval and submits report to the concerned authorities. Every maintenance task will be

documented centrally. The Institution has a parking area of 3000 SQM where there is provision for parking of 2 Wheelers and 4 Wheelers. To ensure optimal utilization of physical facilities such as Seminar Halls and Amphi Theatre for co-curricular curricular and extra-curricular activities, respective HOD's obtain approval from the Principal's Office well in advance.

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 related to lab, LCD projectors, computer related issues and software purchases for labs as well academic software will be submitted by the respective HODs after ratification and approval by the Principal and the Management. All purchases and maintenance will be documented centrally by EDP department. To ensure optimal utilization of laboratory and IT resources like computing facility and LCD Projection facility respective Heads of the Departments (HOD) prepare a schedule as per the syllabus in advance. There will be course specific Lab Time-Table. IT team ensures provision of cables, speakers and screens for special events and guest lectures as and when required.

Support facilities (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. For the optimal utilization of library there is a Reference section for the students, here are five well-furnished reading rooms for students and one exclusively for faculty members. The digital library of has a repository of open access books, periodicals, e-journals, and e-resources along with OPAC system. 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 required

Sports facilities which includes both indoor and outdoor facilities are managed by a designate Physical Education Director. Outdoor sport facilities include- badminton, volleyball and kho-kho court. 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 facility for playing, carom, chess and foosball. There is provision for usage of sports and gym facilities by students will be scheduled by the Physical Director (PED).

Institution has three bore wells from which regular **Potable water supply** is ensured, In order to reduce power consumption and to **use renewable energy**, **Solar Roof Top plant** of 240KWp is installed in the college. An agreement to this effect was entered between the DSATM and Amplus Solar Private Limited, Bangalore for 25 years on 22nd March 2019. The work is already complete & in use. Solar energy is used to meet routine activities of the campus including hostel facility Waste water recycling system with **Reverse Osmosis facility** built in the campus with 205 KLD capacity at the lowest elevation to treat sewage water which is recycled and used for beautification of the garden area and the surrounding landscape, **Rain water harvesting** recharge pit on the campus is provided with four wells at strategic positions to collect run off water to enable hydrostatic pressure head to distribute to the surrounding soil. This has increased the water table in the bore wells enormously making it a perennial source for all water needs and supplied with professionally built distribution system. There is a set mechanism for safe disposal of the solid, liquid, sanitary , biomedical and chemical waste generated on campus .

Security management system is equipped with all the resources to monitor movements of men and material commuting for the functioning of the HEI. Pedestrian friendly pathways are built to facilitate and restrict vehicles with specifically fixed signage boards. Advertisement boards are professionally fixed at strategic locations.

Karnataka Pollution Control Board has certified all the concerned facilities through agency registered under them for **Environmental audit and Green audit**. **Energy auditing** is periodically done to update the extended services to concerned authorities. Institute is rewarded with green campus award under 'AICTE- Clean and Smart Campus Award' for its environmentally friendly ambience.

There are **separate hostels for men and women** which are well-equipped with all essential amenities. They are managed by wardens and maintained by the facility department. Hostel inmates have their food in the mess which is part of the hostel accommodation. They can use yoga, gym and activity center for recreation. Apart from the mess there is also a food court on campus which provides variety of cuisines to cater to the diverse needs of students.

Health Care Centre: The medical and health care center at the Institute provides quality health care in a very hygienic ambience and is adequately equipped. It has a clinic and inpatient bed facility. A designate health care professional is available at the center to provide medical services to students, staff and faculty members free of cost. Medical officer at the center manages all aspects of the health care facility and ensures to provide quality services to stakeholders as and when required.

All the physical and academic facilities on campus are maintained by the facility management team of the Institution with the support of the respective facility heads.

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

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 30.72

5.1.1.1 **Number of students benefited by scholarships and freeships provided by the Government year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
0	1091	1083	964	1160

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	[View Document](#)
Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)	[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 0.03

5.1.2.1 **Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
0	5	0	0	0

File Description	Document
Upload any additional information	[View Document](#)
Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)	[View Document](#)

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

> 1. **Soft skills**
> 2. **Language and communication skills**
> 3. **Life skills (Yoga, physical fitness, health and hygiene)**
> 4. **ICT/computing skills**

Response: A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 72.03

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

2020-21	2019-20	2018-19	2017-18	2016-17
722	2335	1988	2345	2703

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

> 1. **Implementation of guidelines of statutory/regulatory bodies**
> 2. **Organisation wide awareness and undertakings on policies with zero tolerance**
> 3. **Mechanisms for submission of online/offline students' grievances**
> 4. **Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

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

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 55.15

5.2.1.1 **Number of outgoing students placed year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
390	325	428	298	346

File Description	Document
Upload any additional information	
Self attested list of students placed	
Details of student placement during the last five years (Data Template)	

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 16.19

5.2.2.1 **Number of outgoing student progression to higher education during last five years**

Response: 120

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	View Document

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

Response: 100

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

2020-21	2019-20	2018-19	2017-18	2016-17
13	45	39	20	7

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

2020-21	2019-20	2018-19	2017-18	2016-17
13	45	39	20	7

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	View Document

5.3 Student Participation and Activities

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

Response: 24

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) year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
0	8	6	4	6

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	[View Document](#)
Any additional information	[View Document](#)

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

Response:

Institution believes in participative decision making and student empowerment. IQAC team believes that student involvement and feedback invokes fresh ideas and fosters collaborative initiatives towards improvement in curriculum delivery, academic and administrative processes leading to a progressive growth of the Institution and the wellbeing of the stakeholders. For the purpose, 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. All students are free to voice their concerns directly to the concerned committee or through the nominated student representatives. IQAC team ensures that all committees redress grievances and complaints as per the set procedures and guidelines of the statutory regulatory authorities and the Institutional policies.

In order to empower students and develop in them the necessary technical, administrative and management skills 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.**

Besides the above, students 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.

The purpose of having curricular, co-curricular and extra-curricular clubs and committees is to ensure holistic development of the students. Their active involvement in such professional forum activities will inculcate in them the employability skills and life skills.

File Description	Document
Upload any additional information	View Document

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 22.6

5.3.3.1 **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
0	23	34	32	24

File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	View Document

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

Response:

DSATM has a **registered alumni association** bearing Alumni **registration no.**

DRB4/SOR/89/2021-2022. It plays a pivotal role in strengthening the professional connects with Industry. An actively engaged alumni of DSATM have been contributing to the Institution in diverse forms.

On the recommendation of IQAC, 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. This is done with an intent to elicit their feedback on the challenges that they would have encountered in the formative years of their career due to the gap between industry and academia. Their feedback and inputs would help in bridging the gap.

Alma Connect Initiatives: Under the Alma Connect initiatives Alumni of the Institution are engaged in several ways which deliver multi-pronged benefits to the students and the Institution. They are invited to deliver technical talks and skill enhancement sessions to prepare students for placements.

Internship and Placement Assistance: Many at times students of the existing batches have received support from alumni in terms of references for internships and placements in their companies which has led to placement of students in reputed organizations through alumni referrals.

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. During their session alumni entrepreneurs shared information about the registration process and the challenges and possibilities associated with entrepreneurship. They guided them to overcome the challenges and explore the possibilities

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. Some of the alumni had participated in Faculty Development Programs and workshops conducted at the Institution. Their feedback is solicited as part of NBA and NAAC accreditation process to improve quality of academic and administrative systems and processes

Participation in alumni Meet: During the annual alumni meet, Rank Holders, entrepreneurs, alumni pursuing higher studies and other distinguished alumni who have noteworthy accomplishments share their experiences and success stories to inspire others.

There is a strong bonding between the Alumni and the respective departments which helps in continuous improvement in the quality of the academic and administrative systems and processes. It also helps us to keep the current batches up to date on latest industry trends.

File Description	Document
Upload any additional information	[View Document](#)

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

Response: A. ? 5 Lakhs

File Description	Document
Upload any additional information	[View Document](#)

Criterion 6 - 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

Response:

The Vision and Mission of the Institute focus on the fulfilment of the societal needs through provision of value driven, quality education to students by equipping them with global competencies, skills, knowledge and abilities. DSATM envisions- 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 & design skills.

The mission of the Institution is committed :

•   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, health, economic, human and cultural development.

•   To establish inter disciplinary center of excellence, supporting/ promoting student's 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

The governance comprising of Governing Council Members and Internal Quality Assurance Cell (IQAC) play significant role in the evolutionary reforms towards positioning the Institute in the preferred list of all stake holders. The governing council members ratify and approve the budget proposals and other resources required for strengthening the academic delivery processes and systems. As a testimony to the best practices prevalent in academic delivery of the Institution, DSATM is conferred 17th rank in OBE Rankings 2021 and is positioned in A2 Band: Institutions of Academic Excellence by R World Institutional Ranking.

Administrative Head, Section in-charge and coordinators of various cells/committees assist the Principal of Institution in decision making process. Faculty and staff are assigned the roles and responsibilities to work in a harmonious environment with complete transparency. IQAC has a well- developed process to ensure quality benchmarks in academic and administrative activities.

Based on the Vision and Mission of the Institution, Quality Policies are framed and driven by the needs of the corporate world, society and stakeholders. Institute has a perspective plan developed by the Principal

and HOD's incorporating the suggestions from- IQAC team, feedback from Students and other stakeholders in framing and revising policies. The strategic plan is developed by IQAC based on the Vision, Mission, SWOC analysis, PEOs, PO attainment and Inputs from all the stake holders and staff members of the institution. . Gaps in PO attainment are identified and strategies are developed to bridge the gaps. Certification courses, value added programs, club activities, industry partnerships and other supportive initiatives which help in the realization of the Vision and the PO attainment are included in the strategic plan. To streamline the same, various committees at Institute level are formed which look after academic and administrative activities contributing to the realization of mission of the Institute. This is done with an objective of decentralization and participative management.

File Description	Document
Upload any additional information	[View Document](#)

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

Response:

Institution has a transparent and good governance, leadership and administration which helps in effective realization of the Vision. The Governing Council, Principal and Administrative heads involve in the formulation of the Vision, the Mission and the goals of the Institution through a participative approach.

The Governing Council constituted as per the statutory norms has representation of two faculty members. It is responsible for approval of developmental plans, Institutional strategies, budget proposals, faculty recruitment proposals and others that call for quick attention. The policies, procedures, rules, benefits and other service matters ratified and approved by the Governing Council are published and circulated to the concerned stakeholders. The Governing council reviews and ratifies the proceedings of important meetings.

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.

A perspective plan is prepared to realize the Vision, Mission, objectives and goals of the Institution. It comprises of the strategic initiatives that facilitate imparting quality education and attainment of the PEOs, PSOs and POs, In order to implement the strategic plan, budget proposals are submitted by the HODs to the Management through the Principal for approval.

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. This will motivate them and secure their commitment. Faculty members are also involved in Academic Audit Committee (AAC) meeting where they share their perspectives and propose methods towards realization of the Vision, Mission and goals. Which will be subsequently presented by respective HODs in the Academic Audit Syndicate Committee (AASC) meeting for careful evaluation and approval by the committee members. Key Stakeholders like students, faculty members and parents are encouraged to approach the Principal and other administrative heads and the department heads for resolving problems that call for quick attention.

Apart from this there is also an online grievance redressal portal which is accessible by the key stakeholders of the Institution. Participative decision making is embedded in the culture of DSATM as it helps to realize the Vision, Mission and the goals of the Institution in an efficient and effective way. Academic Audit Syndicate committee meetings are conducted periodically to ensure effective delivery of curriculum and attainment of PEOs and POs. This is substantive with the Institute figuring in the 17th position in the OBE rankings announced recently. 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.

File Description	Document
Upload any additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

Robust strategic plan is developed once in three years in alignment with the quality policy & values in order to realize the Vision, Mission & goals of the Institution. A comprehensive strategic plan developed after a detailed SWOC analysis is executed in order to address the concerns associated with Institutional growth by leveraging the available strengths and opportunities.

Incumbent strategic plan period is 2019-2021. It aims at addressing issues and challenges pertaining to skill and employability enhancement, technical advancements & emerging trends in the field of engineering, management & architecture. The Institute's Strategic Plan components and extent of compliance is briefed hereunder:

MOUs & Partnerships: Industry Institute Partnership Cell (IIPC) of the Institution facilitates industry connect through MOU's. Around 61 companies were empanelled to strengthen the industry-institute ties which has opened avenues for internship, consultancy, training and placement opportunities. Besides this, industry experts are empanelled on academic audit and advisory board, project adjudication panel & expert speaker's panel. A detailed description of the compliance of this industry partnership strategy is explicated below:

Training Partnerships: MOU's with companies like Trakinvest, Rareminds, DataLore Labs Pvt Ltd,

Embware Labs Pvt. Ltd helped in imparting certified hands on training to students in trending areas like Blockchain and Crypto Currency, Machine Learning, Advanced Excel, Cyber Security, Bigdata and Hadoop to enhance employability prospects.

Internship, Consultancy and Placements: MOU's with Emind Technologies, DataLore Labs Pvt Ltd, Ethnus Technologies, Thought Starters, Dhanina technology, TrackInvest, Salvin Infotech Systems, 7th Sense Talent Solutions helped in getting internships for students and consultancy projects for faculty members.

Sponsorship Partners: TrakInvest a Singapore based Fintech company has established a sponsored lab worth 7.6 lakh rupees at MBA department, Salvin Infotech Systems has sponsored an institutional event.

Partnership for Social Sensitisation: MOU's with NGO's like Art of Living and VDM India on the Move and association with Rotary Club, Lions Club, DATRI has helped in engaging student's in social immersion activities like blood donation, blood stem cell donor registry, Unnath Bharath & Swatch Bharath Abhiyan.

Skill Enhancement certification courses: The certification courses with focus on skill enhancement of students are offered by all the departments through the centre for innovation and leadership and placement cell under Industry Preparedness Program (IPP).

Association with Professional Bodies: Students have the advantage of knowledge enhancement for career support and networking through association with Professional Forums like- IEEE, GWFM, ISTE, IETI, CSI, ICI, SEA and others

Establishment of clubs and Committees: Students are exposed to contemporary trends in technology, management and architecture through clubs and Committees like, IOT lab, Robotics club, Institutes Innovation Council (IIC), NI Lab, Innovation Cell.

Expert talks, Industry Connect & Strong Alumna Connect: To ensure corporate exposure C-Suite professionals, entrepreneurs, industry experts and accomplished alumni are invited to interact with students.

International Collaboration for Student/Faculty Exchange Programs (S/FXPs): Institution should is working towards International collaborations to create an opportunity for our students to understand the dynamics of global issues and challenges.

File Description	Document
Upload any additional information	[View Document](#)
strategic Plan and deployment documents on the website	[View Document](#)
Paste link for additional information	[View Document](#)

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies,

administrative setup, appointment and service rules, procedures, etc.

Response:

DSATM is established under the aegis of Mahatma Gandhi Vidya Peetha Trust. The Management Team believes in shared governance and collective decision making. Clearly defined policy guidelines are followed in establishing administrative setup comprising of Governing Council, Administrative Team, Departmental and Functional Committee Heads and Process Leads within the Organogram of the Institution. Distinct procedures and service rules are followed during appointment of Human Recourses. A concise description of the roles and responsibilities of each of the functionaries within the system is outlined below:

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.

It is the Apex authority of the Institute and comprises of The Chairman, The Vice-Chairman, The Secretary, The Management Trustees, Affiliating University Nominee, Director of Technical Education Principal and other members. The governing body protects and preserves the reputation of the institution through clear rules, policies and procedures that abide by the legislative and regulatory requirements. The governing body ensures institutional sustainability through appropriate strategies and effective systems of control.

They have an individual and collective responsibility to ensure that the Vision, Mission and objectives of the Institute are being met. Matters pertaining to faculty & staff selection, Admissions, Placements, auditing, research, consultancy, infrastructure, etc. are discussed in GC meeting. GC makes decisions related to the operational aspects of the institution and ensures that governance structures and processes are fit for purpose and a benchmarked against the recognized standards of good practice.

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

Vice- Principal is entrusted with the responsibility of AICTE initiatives and approval process, NIRF Accreditation process, and functioning of statutory committees like Grievance Redressal, Anti Sexual Harassment, Anti- Ragging and others.

Dean Academics supports The Principal in enhancing the quality of academic delivery through appropriate measures like establishment of Co-curricular activity clubs and introduction of supplementary enrichment programs. 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	Document
Upload any additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

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

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
Details of implementation of e-governance in areas of operation, Administration etc	[View Document](#)
Any additional information	[View Document](#)

6.3 Faculty Empowerment Strategies

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

Response:

Management committee and administrators of DSATM have established a set of well-defined welfare measures to ensure employee well- being. Some of the measures adopted for teaching and non-teaching staff members have been enlisted below:

Leave & Vacation: Employees are entitled to Sick leave of 10 and Casual Leave of 15 days on successful completion of one year of qualifying service.

Maternity Leave: A pregnant woman employee is entitled to avail 60 days' paid maternity leave. However, leave may be extended by 30 days at the discretion of sanctioning authority on production of medical certificate.

Vacation Pay: All teaching staff members are entitled to a paid vacation of 20 days at the end of every semester after completing exam duties assigned.

Earned Leave: Administrators, HODs and non-teaching staff may avail 15 -20 days Earned Leave subject to approval of the management /Head of the Institution.

Half-Pay Leave: An employee who has completed service of one year qualifies for 20-days of half-pay leave on medical grounds.

Sabbatical Leave: Employees who wish to avail leave of 6 months to one year to pursue PhD or PDF are permitted to avail sabbatical leave for duration of one year without pay.

Gratuity is paid to employees in accordance with the Gratuity Payment Act of 1972

Employee Provident Fund: All eligible employees as per the statute are entitled to management contribution of Provident Fund.

Recreational Facilities: Gymnasium, Activity center and Sports Ground are made available for the teaching and administrative staff for recreational purposes.

Grievance Redressal: All teaching and non-teaching staff members may report grievances if any online using grievance-redressal portal and seek redressal from the Grievance committee constituted by the Institution.

Transport and canteen facilities are made available to both teaching and non-teaching staff members at concessional rates

Medical Facility: A full-fledged dispensary is located within the campus. A nurse is available during working hours on all days and the employees are allowed to make use of services in case of need. An ambulance is also available.

A Centralized reprography facility for Teaching & Non-Teaching staff members is available within campus

Uniform is provided for Attenders, Housekeeping Staff, Workshop staff & Drivers

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.

Teaching staff and non-teaching staff are trained through internal capacity building workshops, seminars, activities and developmental programs

Faculty members are granted OOD and encouraged to participate in FDPs, Conferences, Seminars and other value adding programs

Recognition: Faculty members securing centum results in the courses taught by them are acknowledged conferred a certificate of achievement on teacher's day celebrations every year.

Professional Performer: Outstanding teachers who contribute value to the institution through research, funded projects, consultancy services, quality publications, and professional certifications are awarded a certificate of merit titled- professional performer.

File Description	Document
Upload any additional information	[View Document](#)

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

Response: 17.23

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

2020-21	2019-20	2018-19	2017-18	2016-17
09	79	28	30	0

File Description	Document
Upload any additional information	[View Document](#)
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	[View Document](#)

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 10.8

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

2020-21	2019-20	2018-19	2017-18	2016-17
7	17	17	12	1

File Description	Document
Upload any additional information	[View Document](#)
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	[View Document](#)

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

Response: 95.91

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

2020-21	2019-20	2018-19	2017-18	2016-17
173	356	201	29	47

File Description	Document
Upload any additional information	[View Document](#)
Details of teachers attending professional development programmes during the last five years	[View Document](#)

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

Response:

DSATM has a structured approach to appraise the performance of teaching staff members which is carried out periodically once in a year at three levels to ensure effective performance management. The process is outlined below:

Self- Appraisal Form: HR department through the Head of the Institution circulates a standard self-appraisal form with set parameters to all the teaching staff members across the institution at the end of the academic year for self-evaluation.

Key Performance Indicators with scores (KPIs) or parameters set for self- appraisal include - course-wise pass percentage (1 for every 10%), student feedback rating(1 for every 10%), number of paper presentations and publications (5 per presentation and publication subject to a maximum of 10 points), Number of Workshops, FDPs or seminars attended and conducted, (5 per event subject to a maximum of 10 points)MOUs and consultancies executed, (5 per MOU/consultancy project subject to a maximum of 10 points)Number of activities coordinated at the department level and the institution level (5 per activity

coordinated subject to a maximum of 10 points), number of projects guided (5 per project subject to a maximum of 10 points), number of books published(10 per book published subject to a maximum of 10 points) and list of other contributions if any (2 per additional contribution subject to a maximum of 10 points). The Maximum score from self-appraisal based on KPIs is 120

Levels of Appraisal: At first level employees evaluate themselves and submit the form to their respective HOD.

At second level HODs verify supporting documents **and authenticate** the self-assigned scores and mark their final scores in a column provided on the form. Based on the observation and documentary evidence HOD assigns scores to faculty members for five set parameters which include: coordination, initiative, integrity, performance and discipline (Max. 2 points per parameter summing up to a total of 10 points) and submit it to the Principal's office along with a recommendation note.

At third level, Principal assigns scores to faculty members for five set parameters which include: coordination, initiative, integrity, performance and discipline (Max. 2 points per parameter summing up to a total of 10 points) 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 comprising of technical and administrative staff is done annually by the immediate reporting authority and the Head of the Institution. This is carried out on a 5-point rating scale to ensure an effective delivery of quality services and improvement of systems and processes. The evaluation parameters used for appraisal include- Quality of Services Delivered, Job related skills and Competencies, Inter-personal skills, Ability to deal with problems and critical situations, Punctuality and Discipline, Adherence to policy guidelines and procedures, Performance and Documentation, Responsiveness to requests, Professional etiquette and orientation, Overall Rating. Based on the evaluation report, the appraisee will be appreciated or counseled for improvement of performance if found necessary.

File Description	Document
Upload any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The institute has a mechanism for internal and external audit to ensure financial compliance. Audit mechanism in the institute is carried out at two levels to ascertain integrity, accuracy, consistency, transparency and compliance, of the financial transactions. The details of the same are enumerated below:

Internal Audit: All bills and vouchers are audited annually right from inception by an internal financial audit committee comprising of Head of the Institution, Accounts Manager and Accounts Assistants. The Mechanism for Internal Audit is described below:

Internal Audit Committee will verify the sources of revenue and expenditure details, they will also examine bills receivable and payable and ascertain deductions under statutory compliance which includes: Income Tax, Tax deduction at Source(TDS), Provident Fund(PF), Insurance, Professional Tax(PT) and Goods and Service Tax(GST) of vendors.

Settlement of Audit Objections: If any irregularities or discrepancies are observed in the bills, vouchers and financial documents submitted by the concerned internal stakeholders, internal audit committee raises objection and calls for explanation and rectification of the same. Upon rectification and resubmission of the documents in accordance with the statutory requirements, it will be re-examined for authenticity and rejected or accepted as applicable.

External Audit: As per the Government mandate annual external audits are conducted regularly right from inception. A registered Chartered Accountant and his team conducts the audit after internal audit.

If any objections are raised by the audit team on account of payments, stock mismatches etc. are corrected as per the requirement and resubmitted. The external audit team submits the audit report to the commissioning authority. Since, the Institution claims exemption U/s 11 of the IT Act, all the relevant provisions of the Income Tax Act have been duly complied with. 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	Document
Upload any additional information	[View Document](#)

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

Response: 7.55

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	7.55	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document
Any additional information	View Document

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

Response:

Mobilization of funds in the institute is done in several ways. The primary source is through collection of tuition fees.

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, favorable 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.

DSATM is managed and financially supported by MGVP Trust which has a strong legacy of 6 decades. DSATM is facilitating education of around 3,500 students from diverse backgrounds each year.

File Description	Document
Upload any additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

Internal Quality Assurance Cell of DSATM headed by the Chairman and Director IQAC endeavors to instill quality consciousness among all its stakeholders through various sensitization programs and activities. IQAC in coordination with various Departments and committees has institutionalized the following two best practices to ensure holistic development of students -

Best Practice-1: Student Progression through Innovation & Entrepreneurship, Research & Analytics and Leadership Development (SPIRAL): The main aim of SPIRAL strategy is to develop leaders, entrepreneurs and professionals who can help in realizing the National Mission of Atmanirbhar Bharat ('self-reliant India') by harnessing their research, innovation, leadership and entrepreneurial skills acquired at the Institution under SPIRAL strategy.

As a testimony to it Institute is conferred ATAL ranking (ARI-C-45307) by the Ministry of Education, GOI based on six key parameters and sub-parameters pertaining to innovation achievements and entrepreneurship development. It is also a beneficiary of DST-NIMAT, ATAL - MOE, MHRD, VTU-TEQIP Cell & SMYSR and K-FIST-L1, VGST- GOK funding. Research mind-set among students and faculty members is clearly evident form - 25 Workshops/FDPs /Conferences pertaining to Research and IPR conducted, 7 books and 22 book chapters published by the instructors, 175 research publications in SCOPUS/WOS/UGC Care List, Google h-index ranging between 12 to 1 for most of the faculty members based on no. of citations & Downloads on Google Scholar,, Scopus, WOS, cross-ref, SSRN etc., DSATM has 8 VTU recognized research centers with 38 registered research PhD Scholars ,The Institute has 46 Doctorates out of whom 24 are recognized research supervisors under VTU

Best Practice-2: Industry Institute Partnership for Skill and Employability Enhancement (**IIPSEE**) : This practice aims at strengthening ties with industry through Memorandum of Understanding (MOUs),empanelment of industry experts on- academic audit committee and Project adjudication committee To obtain continuous support from corporate sector in the form of training, internships, research and consultancy projects, placements and mentorship assistance to students, Industry Institute Partnership Cell (IIPC) has been established. IIPC invites companies to participate in the annual Industry conclave every year. Students are encouraged to pursue internship in start-ups so that they learn about the procedures of setting up an enterprise. It will also foster Innovation and Creativity in them. All such initiatives of IQAC are oriented towards skill and employability enhancement for students.

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 (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives   )

Response:

IQAC of DSATM has been relentlessly and consistently striving to enhance the effectiveness of Teaching Learning Processes (TLP) within the Institution. Towards this end several reforms have been brought in periodically to integrate flexibility, quality, innovation, critical thinking, research orientation and agility with prevailing TLP. The same is discussed with a few initiatives instituted as a part of quality enhancement measures in the last five years. As a testimony Institution is ranked 17th across the country under OBE 2021 Rankings conferred by All India R World Rankings.

Initiative 1: IQAC initiated student profiling process to **recognize** slow & advanced Learners based on cognitive abilities, logical reasoning, conceptual levels, quantitative aptitude, communication & technical skills through assessment strategies like Continuous Internal Evaluation, Semester End Examination performance, Seminars & presentations, Class Interaction, Project presentation and Mentorship feedback.

Remedial/Tutorial Classes, proctorship assistance, AV techniques, Simulation, and other innovative pedagogical and Heutagogical tools like business pitch decks, seminars, conclaves, Padlets, case study method, group discussions, poster presentation and collage creations were implemented as strategies to improve slow learners. Post implementation, **evaluation** results clearly indicated a drop in the number of slow learners so IQAC recommended adoption of these strategies along with regular teaching process to improve learning effectiveness.

Initiative 2: Before IQAC formation, one Faculty Development Program was conducted per department but after constitution of IQAC two Faculty Development Programs are conducted each year to familiarize faculty with contemporary and emerging trends in the field of respective domains as it would facilitate in **enhancement of teaching effectiveness**. Apart from this IQAC facilitates organizing of Academic Audit Meets under each department in which representatives from industry, alumni forum and academia take part. Audit Syndicate committee suggests several measures to improve the teaching learning process which are implemented and action taken report is submitted by each department to ensure compliance. Based on the recommendations of the audit committee each year industry interaction is fostered, certification training is imparted and curricular and co-curricular clubs were constituted to enrich teaching and learning process.

Besides the above initiatives, IQAC has consistently implemented several other measures like maintenance of academic files with 18-21 documents for each course, CO-PO mapping templates to measure PO attainments, stakeholder feedback mechanism and professional partnerships to augment TLP.

File Description	Document
Upload any additional information	[View Document](View%20Document)

**6.5.3 Quality assurance initiatives of the institution include:**

   1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed**

    and used for improvements

2. **Collaborative quality intitiatives with other institution(s)**
3. **Participation in NIRF**
4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: A. All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
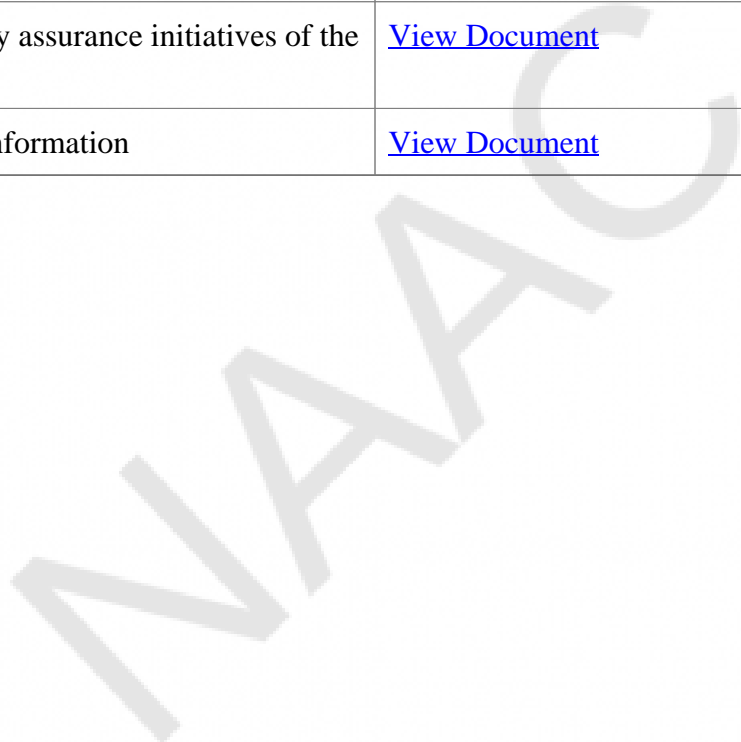
Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

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

Response:

Gender inclusivity is accorded highest priority and is embedded in the cultural ethos of DSATM in line with the principle of gender equality enshrined in Indian Constitution which advocates for positive discrimination in favour of gender equality and women empowerment. **Women Empowerment Cell (WEC)** 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. All staff members are educated to understand sensitive issues that are gender specific and refrain from indulging in gender harassment, hurtful teasing and gender bullying. Equal opportunities are offered to all individuals regardless of their gender, color, creed, origin, language, race, religion, economic status or based on any other means. This is reflected in the rate of enrolment of Female students and female staff.

a) Gender Inclusion Plan: Gender equity is ensured during admissions. Equal opportunities are provided to female students in all annual events and competitions during Esperanza, NCCSTM, sports and cultural meets**.** International women's day is celebrated every year on 8th March to acknowledge women for their services and make them feel proud and empowered**.** There are certain courses under VTU in Engineering and Management programs that are specific to Gender rights and issues.

b) Gender Specific Services

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. Female warden, staff and attendants are employed in ladies' hostel. The campus is mobile free to avoid any kind of cyber bullying. Parents of female students have expressed DSATM as safe for their wards. Edu Grievance is available that will help female students to report issues online without any hindrance. **The grievance monitoring portal of DSATM** helps in speedy redressal of the grievances and obviates complaints in institutions.

Separate Common Rooms: Separate common rooms have been allotted to male and female students to facilitate meetings and discussions.

Separate wash rooms are available for both male and female students. Adequate care and attention is ensured for female students and staff to ensure their safety, security and well-being.

Counselling Facilities: 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- Health care center is available on campus at times and there is a qualified female medical professional stationed there to attend to the needs of female students, ladies hostel inmates and staff members A record of all such beneficiaries is documented in the health care center.

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

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

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

Response: B. 3 of the above

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

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

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

Response:

The Institution has appropriate mechanism for disposal of solid, liquid, biomedical, e-waste and hazardous

wastes that are degradable and non-degradable. It also has an effective waste recycling system. As a testimony it is awarded the **Clean and Smart Campus award by AICTE**. The details of waste management system are outlined in detail below:

Solid waste management- The solid waste generated on campus is segregated into wet, dry, garden, sanitary and E-waste. **Dry waste** mainly comprising of plastic, paper and metal waste is disposed of through an authorized external agency Karnataka State Pollution Control Board (KSPCB) which in turn will procedurally segregate and recycle them. Sanitary waste comprising of menstrual and cotton waste is disposed of through an external agency. **Wet Waste** consists of Biodegradable kitchen waste like fruit/vegetable peels, tea leaves, coffee powder, egg shells, food scraps, sediments, leaves and flowers. Kitchen waste is sent to piggeries as fodder for pigs. Leaves, flowers and twigs are compost and used as manure for garden in the Institute. Excess garden waste is disposed-off to vendors who use it for composting or for agricultural purposes. Wet waste may be used for Bio-gas production. The facility is also available on campus.

Liquid Waste Management- Sewage, laboratory, laundry, hostel and canteen effluent 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.

Waste Recycling System- The Dry waste generated like papers and hard bound sheets are used by School of Architecture as raw material for their studio works, Portfolios and for preparing basic furniture for structures from waste. Staff members across campus reuse one side printed papers for rough work. Used Calendar, newspapers, paper rim, covers are used for binding registers and books.

E-waste Management-All departments ensure to optimally utilize electronic resources available. Technical department will ensure to reuse electronic resource where ever possible. Equipment which cannot be reused even after repair are dismantled and sent to recycle units through and external agency involved in e- waste collection.

Biomedical Waste Management: Institution has a Health Centre where biomedical waste is generated. B**iomedical** waste like- **the waste sharps** which include- hypodermic needles, syringes, broken glass, scalpels, and other wastes such as discarded medicines, dressing bandages, plaster casts, material contaminated with blood and others are all segregated and kept in a storage and then transported and sent for appropriate treatment and disposal.

Hazardous chemicals and radioactive waste management: Certain chemicals classified under hazardous chemicals are generated in the chemistry lab while conducting experiments at the Institution and there is a mechanism in place to treat ignitable and corrosive wastes. Procedure used for the same includes- minimization of waste generation, usage of plastic containers as they are safe to store such waste materials and properly labelling them and keeping them closed. Later they are transported for appropriate treatment and disposals.

File Description	Document
Any other relevant information	[View Document](#)
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	[View Document](#)
Link for Geotagged photographs of the facilities	[View Document](#)

7.1.4 Water conservation facilities available in the Institution:

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

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	[View Document](#)
Any other relevant information	[View Document](#)
Link for any other relevant information	[View Document](#)

7.1.5 Green campus initiatives include:

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

Response: Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	[View Document](#)
Geotagged photos / videos of the facilities	[View Document](#)
Link for any other relevant information	[View Document](#)

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

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

Response: A. Any 4 or all of the above

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

7.1.7 The Institution has disabled-friendly, barrier free environment

1. **Built environment with ramps/lifts for easy access to classrooms.**
2. **Disabled-friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **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**

Response: A. Any 4 or all of the above

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

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

Response:

DSATM has a wide array of diversities across students and staff members. The stakeholders at DSATM

hail from diverse, socio-economic backgrounds, states, regions, localities, linguistic and cultural backgrounds. Institute has several practices to ensure inclusion of diverse groups to create a sense of representation and belongingness in them. Activities are conducted on campus to ensure inclusivity of diverse population:

Cultural Club celebrates festivals of diverse cultures and regions to enable the stakeholders of the institution to appreciate diversity and imbibe values, traditions, customs and conventions associated with festivities. **Navaratri** is celebrated by DSATM fraternity during which the participants dance to the tune of Guajarati songs; Onam is celebrated as a gesture of inclusion of Keralite cultural values. During Onam, the lobby is decorated with "Pookalam". Staff members & students celebrate the occasion by dressing in traditional Kerala attire and recite songs in Malayalam. Similarly, Holi, **Ganesh Chaturthi,** Ayudha Pooja and other festivals are conducted to symbolize the cultural and regional diversities across India.

Spectrum Week and Ethnic Day: To celebrate the beauty of diverse colours, a week-long spectrum event is conducted during which the students and staff members follow a specific colour code for each day during the week. Colours are smiles of nature and speak all languages. They unify people of all religious and linguistic backgrounds. Last day of the spectrum week will be **celebrated as Ethnic day** to portray different ethnicities.

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

Kannada Rajyotsava– Cultural club celebrates Karnataka Rajyotsava in November as a mark of celebration remembering formation of Karnataka State in the year 1956. It is celebrated with grandeur during which staff and students participate in group dance, ethnic shows, literary and singing competitions representing various cultures, cuisine, clothing folklore, art and cultural forms of Karnataka.

In an effort to provide a supportive and harmonious environment to staff and student community on campus hailing from different linguistic, communal and socioeconomic backgrounds, the Institute adopts the following initiatives

Scholarship Assistance is extended to religious and linguistic minorities, special interest communal groups through a designate scholarship officer appointed by the Institution. This is done to support underprivileged and minority section of population on campus.

Social Sensitization towards Inclusivity: In order to sensitize the students to be socially responsive to the needs of underprivileged sections of the society, 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.

To ensure inclusivity, equal opportunities are provided to primary stakeholders of the institute to participate in health awareness and health care activities. Also students from all backgrounds take part in the activities of various clubs, committees and other activities of the institution.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)

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

Response:

The onus of developing socially responsible citizens lies on the educational Institutions: In this direction, DSATM has been conducting plethora of events and activities every year to sensitize students and employees about their constitutional obligations as citizens of India Some of the initiatives towards this end are listed below:

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.

DSATM envisions developing responsible Entrepreneurs, Engineers, Managers, and Professionals. In this context, the Internal Quality Assurance Cell (IQAC) of DSATM organized the **Sensitization Program on" Constitutional Rights, Duties & Obligations of the Citizens of India".** The objective of the program was to create awareness among the faculty members and students. 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	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	[View Document](#)

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

> 1. The Code of Conduct is displayed on the website
> 2. There is a committee to monitor adherence to the Code of Conduct

>   3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
>   4. **Annual awareness programmes on Code of Conduct are organized**

Response: B. 3 of the above

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

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

Response:

International and National festivals and Commemorative days are celebrated at the Institute to create awareness among all the stakeholders about the noble ideals and ideologies behind them. **World Architecture Day (First Monday of October** is observed annually on the first Monday of October at the Institute by School of Architecture to instill collective responsibility among students towards creation of a safe human habitat for future. **World Environment Day (June 5th)** is celebrated under Go Green Initiative. Students and staff dress in green attire to create awareness about need to incorporate sustainable thought processes into systems and practices across the Institution. **International Women's Day (March 8th) is celebrated** a gesture of acknowledgment to women achievers, well accomplished women are invited to deliver motivational sessions and activities like yoga, meditation. **International Yoga Day (June 21st)** is conducted to create awareness about integrating yoga practice as part of one's routine life-style for physical, mental, emotional and spiritual well-being of everyone.

World Water Day (March 22nd) is celebrated to inculcate the need for conserving water for the future generation. On this day experts are invited to deliver talks about sustainable management of water resources. **IEEE Day** (30th October) is celebrated in October during which accomplished engineers are invited to deliver talks. **Teachers' Day (September 5th):** It is celebrated every year under ISTE Chapter DSATM to motivate and recognize teacher's achievements. **Engineer's Day (September 15th)** - Engineers day is celebrated every year to commemorate the birth day of Sir.M.Visvesvaraya. Civil Engineering department magazine Indus is released on this day every year. Institution conducts various technical events and seminars for the students on this occasion. **Independence Day (August 15th and Republic day (January 26th)** our national festivals are celebrated on the campus each year during which administrators, students and staff members participate in flag hoisting while NSS unit offers the guard of honour. **Constitution Day** is celebrated on **26th November** every year to commemorate the adoption of the Constitution of India. On 26th November 1949, the Constituent Assembly formally adopted the Constitution of India. It came into force on 26th January 1950 that is observed as **Republic Day.**

 World Entrepreneurs' Day (August 21st): Leading entrepreneurs of the industry are invited each year to

motivate the students to pursue entrepreneurship towards building a Atmanirbhar Bharat. **Alumni Day:** On this day the alumni of DSATM will be invited to address and appraise the latest development to minimize the gap between academia and industry. Apart from these, many events and guest lectures are regularly organized to instill a sense of national pride and gratitude towards sacrifices of great leaders of our country. **Engineer's Day is celebrated on 2 March** as a tribute to the date in 1878 on which first association of engineers was established in Zagreb. It is celebrated as tribute to the Indian engineer and Bharat Ratna Sir Mokshagundam Visvesvaraya.**Teachers' Day** is celebrated to commemorate the birth anniversary of Dr. Sarvepalli Radhakrishnan.

File Description	Document
Link for Geotagged photographs of some of the events	[View Document](#)
Link for Annual report of the celebrations and commemorative events for the last five years	[View Document](#)

7.2 Best Practices

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

Response:

Best Practice I

Title: Student Progression through Innovation & Entrepreneurship, Research & Analytics and Leadership development (SPIRAL)

 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.

Context:

In this era of digital technology and big data analytics, it is very essential for students to have global competence, research aptitude, analytical skills and a multi-disciplinary perspective. The composition of students at DSATM comprises of students from diverse backgrounds.

- In the context of changing business and technology landscape, it was found essential to impart contemporary skills for student progression
- An integrative and systematic approach was required to ensure holistic development of

professionals with agile mind-set

Cognizant of this, DSATM adopts SPIRAL strategy to develop proactive engineers, professionals and entrepreneurs. In order to implement this strategy, it has constituted Institutes Innovation Council (IIC), Entrepreneurship Development Cell (EDC), Research Cell (RC) and Center for Innovation and Leadership (CIL). The functioning of each of these cells is administered through a committee. The committees follow three pronged strategies to develop researches, innovators, entrepreneurs and Leaders/professionals. This is done through Awareness- Training and Development.

The Practice:

The main aim of SPIRAL strategy is to develop leaders, entrepreneurs and professionals who can help in realizing the National Mission of AatmaNirbhar Bharat ('self-reliant India').

Innovation and Entrepreneurship: To instill a culture of innovation and entrepreneurship among the stakeholders, the Institution has setup Institutes Innovation Council and Entrepreneurship Development Cell as the part of SPIRAL strategy.

IIC and EDC conduct plethora of activities to create awareness about innovation and entrepreneurship and to train and develop the aspirants. List of activities are indicated below.

Awareness: Knowledge related to Innovation and Entrepreneurship is imparted to faculty members and students through Webinars/ Expert Talks.

Training and Development: In order to impart training workshops, certification courses and camps are organized. Some of them include EDC camps, hackathons, Business Pitch Decks, Logo Design Contest, Rapid Prototyping, Simulation and Gamification Activities, full-fledged courses on Block chain Technology and Cryptocurrency, NI LabVIEW. Apart from these several **developmental** activities like extension of eco-system and incubation support, preparing students for participation in inter collegiate, pitch decks and competitions hosted by the Governmental and Non-Governmental Agenesis and Educational Institutions.

Research and Analytics:

Awareness: To foster and enhance research and analytical capabilities among faculty members and students' orientation programs and FDPs were conducted.

Training and Development: As a part of hands on training and experiential learning, certified courses on Research methodology are imparted. During the training participants learn application of analytical tools (IBM-SPSS, R analytics, Advance Excel) or programming tools (Python) or designing tools (Auto Cad, Revit, 3D Max) as appropriate to the course. SPIRAL strategy enables students to prepare for project preparation, writing research papers for conferences, presentation in symposia and participating in project competitions.

Leadership Development: Institute has a center of innovation and leadership, CIL. It is one of the centers of Excellence at DSATM. Students of BE, BArch and MBA are imparted soft skills training and professional grooming essential for leadership development.

Awareness: Experts from industry disseminate knowledge pertaining to professional grooming and leadership development.

Training and Development: Thirty hours of rigorous training is imparted by a panel of certified and accomplished trainers to all students across the Programs. During the training period they learn presentation, interview, and negotiation and conflict management skills. Group Discussion, personal grooming and etiquette training are also included as part of training to ensure development of professional and leadership skills in students.

Evidence of Success

As a testimony to the success of SPIRAL strategy, DSATM has received ATAL Ranking of Institutions Innovation Achievements (ARIIA) from Ministry of Education (MoE), GOI and has also secured a funding support of Rupees 7 lakh for establishment of Innovation Lab on campus from a Fintech company. SPIRAL strategy has led to some progressive outcomes and achievements like-

Five consultancy assignments completed, eight research centers recognized, 158 research publications, 48 Doctorates, 25 patents filed with IPR cell-GOI.

It has also received close to Rupees One Crore funding support from various governmental and non-governmental organizations.

Six VGST funded projects, approval of six students project proposals for sponsorship by KSCST

Two best project awards from KSCST

6 DST Sponsored Entrepreneurship Camps conducted under NIMAT project of GOI.

500 Entrepreneurial aspirants trained through entrepreneurship camps

DSATM has produced several Entrepreneurs and professionals with great leadership quality.

Problems Encountered and Resources Required

DSATM is an affiliating Institution and has to comply with the timelines set by the it.. While doing so adequate time is not available for planning events under SPIRAL strategy.

Implementation of SPIRAL strategy required financial support for organizing events and activities under the stated clubs/committee. This was sourced through management support, industry funding and funding from Government agencies.

Notes

Future Plan: Going ahead DSATM may invite students from across the world for a global project presentation summit and provide them a platform to participate and present their projects. Best projects may be selected for providing guidance and support for filing patents and implementation of idea with the support from Entrepreneurship Development Cell of DSATM which functions under IQAC. Incubation support may be provided to competent students.

Best Practice II

Title: Industry Institute Partnership for Skill & Employability Enhancement (IIPSEE)

Objectives:

- To strengthen industry ties through Memorandum of Understanding (MOUs) 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 (IIPC) 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

Context:

In this VUCA world marked by the Volatility, Uncertainty, Complexity and ambiguity it is imperative and essential to equip students with necessary skills to enhance their employability prospects and also to prepare them for self-employment in order to contribute towards the realization of Atmanirbhar Bharat and Skill India Mission and. Hence at DSATM students are provided rigorous training through Industry Institute Partnerships under IIPSEE Strategy. They undergo short-term internships and project work under the guidance of an industry mentor. They are also offered certified training through workshops, camps and symposia organized by the institute in association with industry partners.

The Practice:

To achieve this feat, DSATM has entered into Memoranda of Understanding with around 50 industry partners under IIPSEE strategy.

An Industry Conclave is organized for which leaders or representatives from various companies were invited. They were given the context of this congregation and explained how it could translate to a symbiotic relationship between the two entities.

Industry partners are empaneled on various committees and boards of DSATM like the Academic Audit Committee (AAC), Project Adjudication Panel and as recruitment partners. They are periodically invited to the institution for meetings, adjudication or to offer certified training programs to our students. This has strengthened our industry ties and facilitated us to decide upon the supplementary enrichment courses to be offered to students in addition to the University curriculum

Due to this kind of association students are able to get training and mentorship support from industry experts, they also have opportunities for externships, internships, placements and consultancy assignments. All such opportunities will enhance their prospects of employability. Some of them who intern get brilliant ideas and derive inspiration to start an enterprise of their own. On the whole such partnerships are helping our students to acquaint themselves with the industry trends and requirements so that they upskill and stay

in the forefront for employability

Industry partners have trained students in contemporary and futuristic courses like Core Block Chain Technology and Crypto currency, Technical Analysis, Global Online Trading Certification, Digital Marketing, Content Marketing, Robotics Process Automation, Cyber Criminology and Cyber Security and several such courses to expert talks or workshops

Faculty members also get practical exposure through visits to companies and through interaction with the corporate professionals which will keep them abreast of the changes in the VUCA world. They also engage in consulting assignments/ projects with industry and get opportunities to train industry professionals at times.

Evidence of Success:

Under IIPSEE strategy, Institute has partnered with 40 Companies which belong to IT and ITES Sector, Training & Consultancy, Architecture & Design, Research & Development, Robotics & Automation and Automotive Component Industry. MOUs and Collaborative partnerships have enabled us to impart training programs in block chain in crypto currency, robotics and automation, cyber security, aptitude training, Advance Excel workshop, python programming workshop and several others which have contributed to skill development and employability enhancement. Recruitment partners and MOU partners have helped in offering externships, internships and placements to students.

Problems Encountered and Resources Required

As per the report of NASSCOM and Aspiring Minds (2019) only 20% of Indian IT graduates are eligible for placements which are abysmally low. It states that there is a huge gap between the knowledge acquired and the skills required. The only possible solution to escape from this vicious cycle of low employability is through skill development. To overcome this problem, the Institute has developed IIPSEE strategy.

In order to implement IIPSEE strategy, industry conclave had to be organized for which financial support was required. It could be obtained through the able support from the Management team.

Notes

Future Plan: Going forward DSATM may increase the industry partnership base and think of new avenues for collaboration which is more robust and in areas of contemporary upcoming trends. It can become a nodal center for such partnerships and extend the services to underprivileged students and less privileged institutions in the neighborhood. It may also further strengthen industry ties by looking for partnerships with companies abroad.

File Description	Document
Link for Best practices in the Institutional web site	[View Document](#)
Link for any other relevant information	[View Document](#)

7.3 Institutional Distinctiveness

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

Response:

Social Sensitization and Environmental Consciousness (SSEC) is the priority and thrust area of the Institution. Institution envisions to develop professionals and leaders who are value-driven, socially sensitive and environmentally conscious.

NSS club, Red-Cross Wing of DSATM are committed to the cause of sensitizing students to be environmentally conscious and responsive to societal problems like illiteracy, poverty, inequality, health hazards and others. Under the Social Sensitization and Environmental Consciousness (SSEC) strategy volunteers of NSS club have been actively engaging in addressing such problems through their humble contributions to support of national missions of Swachh Bharat Abhiyan and Unaath Bharat Abhiyan aimed at building a clean, sustainable and inclusive India. Other clubs like Women Empowerment Cell, Media & communication club and other technical and statutory committees support the initiatives by aligning their activities with the objective of NSS & Red-Cross Wing.

In order to achieve this mission, the following activities were conducted under SSEC strategy

School Bell Initiative: Under this Initiative, volunteers of NSS club in association with campus2community visited Government High School at Tindlu, Bangalore and beautified the defaced walls of the school building with inspirational paintings depicting the values and aspirations of the Father of the Nation, Sri Mahatma Gandhi. This was done to commemorate birth anniversary of Gandhi, it created a sense of patriotism and responsibility among the participants.

Helping hands: In response to the problems faced by the flood victims in Kodagu District of Karnataka, NSS team of DSATM collected contributions from students, staff members and other stakeholders of DSATM in the form of cash, grocery, toiletries, cloths and blankets worth two lakhs and distributed the same to support the needy through rescue operators. They personally visited the flood affected areas and supported in rescue operations.

Integrity Pledge: Red-Cross wing of DSATM administered integrity pledge supporting the cause of central vigilance Government of India, all staff members and students took oath by committing themselves to uphold highest standards of honesty and integrity and to follow probity and rule of law in all walks of their life.

Jan Andolan for COVID-19 for Appropriate Behaviour Pledge: NSS club and Red-Cross wing of DSATM administered Jan Andolan pledge of Government of India to all students and staff members during which they committed themselves to the responsibility of taking all necessary precautions to prevent the spread of COVID-19 by following WWW strategy which includes Wash Hands Regularly, Wearing Mask and Watching out for Social Distance.

Peace and non-violence: Anti-Terrorism Day was observed at the Institute as a part of International Peace Day to strengthen the ideals of peace as envisioned by UN General Assembly. This was organized by NSS club of DSATM. The event was conducted to sensitize the youth about the need to curb anti-social

activities like terrorism and violence and work towards restoration of peace and harmony.

Dr. K.V. Vijaya Kumar, Professor and HOD Physics, DSATM addressed the occasion said that the scourge of terrorism affects innocent lives across the globe. He emphasized that our country believes in the concept of "Vasudhaiva Kutumbakam", a philosophy that tries to foster an understanding that the whole of humanity is one family, in true spirits and never exhibited territorial interests in the history and never supported terrorism.

A student seminar was conducted as part of the event. Nearly six participants spoke about causes and consequences of terrorism and measure to counter terrorist activities. The best speakers were awarded prizes.

This year's event assumed special significance in the light of deplorable terrorist attacks in Pulwama region of Jammu and Kashmir killing 40 CRPF paramilitary troopers on February 14, 2019 and the Sri Lankan bombings. Apart from the above event Brigadier from The Indian Army was invited to share his experiences with the youth in order to instill a sense of patriotism in them.

Blood Stem Cell Donor Registry and Blood donation drive: Blood stem donor registry drive was conducted in association with DATRI in which 73 donors registered from DSATM. Besides this Blood Donation camps are organized every year to motivate stakeholders to donate blood to save lives of the needy people.

Swatch Baharat Abhiyan and Unaath Baharat Abhiyan: To support Swaacha Bharat and Unaath Bharat Abhiyan initiatives of Government of India

NSS Unit of DSATM organized 3-Day Camp across 3 villages-Tataguni, Uthari Village- Kagalipura and Vaderahalli. During this camp, a team of volunteers visited the Government Schools in identified villages and distributed educational kits to the underprivileged kids there. Besides this, they also engaged in cleaning school premises and beautifying the defaced walls with inspirational painting, portray educational values. They also made a humble contribution in the form of required wooden furniture. Another team of Volunteers from DSATM rendered voluntary Service to Aapatsahaaya Foundation in distribution of educational Kits for underprivileged Rural school children. Students and staff also contributed some money which was collectively pooled to support this noble initiative of Aapatsahaaya foundation.

Greener India, Greater India – 2018: Team of volunteers from NSS club visited Government Higher Primary School, Lagumena halli a small village near Ghati Subramanya Taluk, Dodaballapur and created awareness about the need to adopt green and sustainable measures in all walks of our lives.

Plantation drive: Student volunteers from NSS club visited Harohalli Kiranagere village and Somanahalli village (Kanakapura Taluk) planted nearly 200 saplings to support One Student One Tree initiative by MHRD plantation drive was an endeavour to create environmental consciousness among students.

Clay modelling: Immersion of Ganesha idols made of plaster of Paris is a huge risk to the environment as it pollutes the water bodies. As a precautionary measure to reduce pollution and cut down the damage caused by the pollutants, students of DSATM made Eco-friendly idols and vowed to celebrate there Ganesha Festival using handmade nature friendly idols. This initiative sensitized them to think and act in tune with nature.

File Description	Document
Link for any other relevant information	[View Document](#)

5. CONCLUSION

Additional Information :

Renewable energy efforts:

Power consumption is reduced using renewable energy with Solar Roof Top plant of 240KWp. The DSATM and Amplus Solar Private Limited, Bangalore has MOU for 25 years on 22nd March 2019.

Solar energy is used to meet all the day today activities of the campus including hostel facility. Boys & girls hostel are built inside the campus to extend round the clock availability of assistance for students.

Waste water recycling system with Reverse Osmosis facility built in the campus with 205 KLD capacity at the lowest elevation, is self-sufficient for gardening as well as water needs of wash rooms across the campus.

Rain water harvesting recharge pit on the campus is provided with four wells at strategic positions. Supporting increase in the water table making it a perennial source for all water needs and supplied with professionally built distribution system.

Security management system is equipped with all the resources to monitor movements of men and material commuting for the functioning of the HEI. Pedestrian friendly pathways are built to facilitate and restrict vehicles with specifically fixed signage boards. Advertisement boards are professionally fixed at strategic locations.

Karnataka pollution control board has certified all the concerned facility through agency registered under them for Environmental audit and Green audit. Energy auditing is periodically done to update the extended services to concerned authorities.

Clean & Smart Campus:

As an outcome of all the above initiative, DSATM has been awarded under MHRD-AICTE for "Clean & Smart Campus" during 2019-2020. The field visit to institute to assess 'Cleanliness with Smartness' was undertaken by AICTE nominated expert team. The award aims to seek engagement with all stake holders primarily the student community to draw their attention towards immense scope and potential that the technology offers for abstract objectives such as cleanliness, sustainability, environment, etc.

Concluding Remarks :

The Motto of Dayananda Sagar Institutions (DSI) is "Education Completes a Man". The aim is to contribute to society at large and professional needs in particular, by people sharpened with skills and knowledge so that they shape out to be useful and responsible citizens of the country. DSI intends to offer an ambience for intellectual thinking and academic interaction to mould future leaders. There are several educational institutions running under the aegis of Mahatma Gandhi Vidya Peeta Trust (Management of DSI).

Dayananda Sagar Academy of Technology & Management (DSATM) was established in the year 2011 with 5 UG programs and two PG Programs and in a span of 09 years, it has grown in leaps and bounds. At present, the

Institute offers 7 UG programs, 1 PG program and 8 research centers to pursue PhD programs.

DSATM has scaled new heights in almost all walks of performance like admissions, placements, training and development, research and publications, funded projects, social responsibility initiatives, conferences, and many more.

IQAC & Institute level committees are constituted with specific duties & responsibilities, which are functioning effectively. The institution has best Teaching & Learning practices and an effective governance.

Information & Communications Technology (ICT) enabled teaching methodologies are being followed by the faculty members in class rooms as a complementary tool for conventional teaching methods. The institution has funded projects from Govt. organizations. It has state of art infrastructure and centers of excellence. The institution has good number of PhD holders as faculty members with rich experience.

The institute has got its Engineering programs accredited by NBA and this speaks about Institution Strength. DSATM has been awarded under MHRD-AICTE for "Clean & Smart Campus". DSATM is categorized as "Band-C" institution in category of "Private or Self-Financed college/Institutes" in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2020 and is also conferred platinum membership for Industry connect initiatives based on AICTE-CII Survey.

Departments have entered into MOU with industries/Research organizations for Research, Training, Skills sets & Consultancy. The institution has excellent placement record. All the above initiatives are strategically implemented to develop competent professionals, leaders and entrepreneurs.