



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

DR. AMBEDKAR INSTITUTE OF TECHNOLOGY

BDA OUTER RING ROAD, MALLATHAHALLI,

560056

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Dr. Ambedkar Institute of Technology (Dr. AIT) was established in the year 1980 by the late Sri M.H. Jayaprakash Narayan. Dr. AIT is named after Bharat Ratna Dr. Bhim Rao Ambedkar – an architect of the Indian Constitution, a thinker and social reformer par excellence. Institute is managed by Panchajanya Vidya Peetha Welfare Trust (PVPWT) and is located near the Jnanabharathi campus, Mallathalli, Bengaluru, Karnataka State. It is situated over a sprawling 20.3-acre campus with lush lawns, a beautiful landscape and aesthetic architecture.

The institution is approved by the Government of Karnataka and the All India Council for Technical Education, New Delhi and is affiliated with Visvesvaraya Technological University (VTU), Belagavi. Dr. AIT has been conferred with Autonomous Status by the University Grants Commission (UGC) and VTU for all the UG and PG Programmes and the institute is found fit by UGC to receive central assistance as per the provisions contained in Section 2(f) and 12(B). The institute is accredited with an 'A' grade by National Assessment and Accreditation Council (NAAC). Dr.AIT has 11 UG & 7 PG programmes up to June 2022 and from the current academic year 2022-23, two more programmes were added. All eligible programmes of UG & PG are accredited by NBA. The Institute has secured a Band Performer in ARIIA 2021 and has been a recipient of World Bank assistance under TEQIP-I, TEQIP-II and TEQIP-III. The institution was ranked 163 among the engineering colleges in India by the National Institutional Ranking Framework (NIRF) in 2019.

The institution has 15 Research Centers approved by VTU, Belagavi to run Doctoral research programmes. The research scholars are pursuing research in diverse fields of education. Apart from these, the institute is a regular recipient of DST, AICTE, VTU, VGST, KSCST and other Government grants.

Dr. AIT has achieved greater heights in the area of Engineering Education with its own strengths, capabilities and Infrastructure. The foremost strength of the Institute is its human resources and has a total strength of 522 staff members consisting of 249 faculty, 130 technical staff and 143 administrative staff. The faculty members acquired advanced degrees from within and outside the country. The most appreciating part is that the faculty retention ratio is among the highest across engineering institutions.

Vision

To create **D**ynamic, **R**esourceful, **A**dept and **I**nnovative **T**echnical professionals to meet global challenges.

Mission

- To offer state-of-the-art under graduate, post graduate and doctoral programs in the fields of Engineering, Technology and Management
- To generate new knowledge by engaging faculty and students in research, development and innovation.
- To provide strong theoretical foundation to the students, supported by extensive practical training to meet the industrial requirements.
- To instil moral and ethical values with social and professional commitment.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Strengths:

- Dr Ambedkar Institute of Technology has a rich legacy in the field of higher education and is effectively catering to the diversified educational needs of the rural and urban populations since 1980 and is Aided by Govt. of Karnataka.
- Institute is a recipient of World Bank assistance under TEQIP-I, TEQIP-II and TEQIP-III.
- Strategically located in the heart of Bengaluru city.
- Dynamic and Visionary management committee
- Good governance is driven by the expertise and wisdom of eminent personalities from academia and industry serving on the Board of Governing Body.
- Qualified, dedicated, and expert faculty and staff members.
- The most appreciating part is that the faculty retention ratio is among the highest across engineering institutions.
- Teaching and research facilities such as laboratories, libraries, electronic databases, teaching aids, networked computers, ICT-enabled classrooms, auditoriums, Campus-wide Wi-Fi connectivity.
- Academic autonomy following systematic process for design, development and implementation of courses.
- Emphasis on the promotion of holistic development of students through co-curricular, extracurricular, and extension activities.
- Proactive Career Guidance and Placement Cell to facilitate appropriate employment. Students are placed in reputed companies TCS, Microsoft, Oracle, Accenture, HP, Wipro, Capgemini, HCL, Deloitte and others.
- Transparency in examination and evaluation using Digital Evaluation System
- Strong research base with quality publications, and funded research projects in identified thrust areas supported by adequate available resources.
- Continuous quality assurance, sustenance and enhancement through well-defined processes. Eco-friendly campus with well-defined Green Institution Policy.

Institutional Weakness

Institutional Weakness:

- Limited international visibility.
- Specified territorial jurisdiction limiting expansion to start offshore campuses and infrastructure.
- Inadequate emphasis on entrepreneur skill development in students.
- Inadequate linkages with industry and community.
- The quality of the admitted students to courses is average, and the majority are from rural backgrounds.
- The poor socio-economic background of many of the students is responsible for poor language competence in English.

Institutional Opportunity

Institutional Opportunity:

- Introducing multidisciplinary courses in emerging areas.
- Attracting international students to higher education programmes.
- Establishing new Centre of Excellence, Incubation in specific domains of knowledge.
- Strengthening of Industry-Institute Collaboration
- Promoting multidisciplinary research and issues related to the local community.
- Strategic alliances and collaborations with International and National Educational Institutes, Industries,
- Government Bodies and NGOs for research, faculty-student exchange, joint programs, training and consultancy.
- Increasing linkages with local industries for skilled human resources.
- Continuous quality enhancement, accreditations, benchmarking and certification from appropriate bodies/organizations for national and international recognition.
- Scope for innovating new products/processes/designs and acquiring patents.
- Scope of tapping Alumni experience; building corpus fund, developing labs, chair professorships, collaborative programs with universities/ industries etc.
- MOU's strong support for funds and autonomy.

Institutional Challenge

Institutional Challenge

- Striking a balance between the institution's traditional, innovative and professional courses.
- Balancing the educational requirements of cross sections of society– rural and urban.
- Competing with national and international educational institutions - both public and private.
- Meeting the technological advancements through continuous up-gradation of educational resources.
- Sustaining the value system amongst stakeholders.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The Institution has a strong focus on OBE and courses have well-defined objectives and learning outcomes aligned with the vision and mission of the Institution. The Institution takes utmost care in designing and developing the curriculum of various UG and PG Programmes. Stakeholders are involved in designing the curriculum through their participation in Board of Studies and Academic Council meetings. The design of the curriculum is planned based on the model curriculum suggested by various regulatory bodies such as UGC, AICTE and VTU. The faculty members participate in the Board of Studies and Academic Council meetings which help the Institution to design, plan and execute the curriculum effectively. Choice-Based Credit System is followed by various elective courses such as foundation electives, professional electives, and industry

electives.

Students are encouraged to take interdisciplinary and multidisciplinary courses. Internships, Project Based Learning & mini and major project works are part of the curriculum. AICTE Activity points programme was introduced to imbibe social skills in the students through integrated rural development courses. Online learning is promoted through credit-based NPTEL/SWAYAM for PG courses. The Institution has adopted NEP 2020 from the Academic Year 2021-22 onwards.

Employer feedback is taken to identify the gap to be fulfilled during the training. Seminars, Workshops, and Training programmes from industry experts are arranged to make the students industry ready. Revision of the curriculum is also performed based on inputs from industry experts. Integrated courses are introduced to reduce the gap between theory and practical knowledge.

Examination reforms are undertaken as per the guidelines from AICTE. The Institution conducts certification/ Add-on programs to impart technical and life skills. This would make the students industry ready. Timely feedback from the different stakeholders provides valuable inputs for designing value-added courses and reviewing programme curricula. A feedback system is formulated and practiced for the effective design and development of the curriculum.

Teaching-learning and Evaluation

The enrollment of students to the institution is based on regulations and guidelines of AICTE, the Government of Karnataka and VTU. The Teaching-Learning Process is an important parameter in shaping the career of a student and teachers play a vital role in this process.

The institution has qualified and experienced faculty to enhance the process of Teaching & Learning and teachers make the best use of the ICT tools available in the institution in addition to traditional chalk-and-talk pedagogy. To analyze the strength and areas of improvement, feedback is taken from the students. This helps to take necessary measures for strengthening the teaching-learning process.

The marks in Continuous Internal Evaluation (CIE) and grades in Semester End Examination (SEE) also serve as the basis for categorizing students as slow and advanced learners. The academic calendar is notified well in advance, which includes the schedule of various academic activities such as registration of the students, the commencement of the classes, CIE, SEE, sports day, cultural day, holidays, etc. The Internal Assessment tests are conducted in a fair and transparent manner by allotting the coordinators, invigilators and squad. The students are informed about the portion of the curriculum for CIE well in advance and CIE & SEE question papers are prepared by indicating CO's and Revised Bloom's Taxonomy. Evaluation of the Internal Assessment blue book is in accordance with the scheme of evaluation prepared by respective course coordinators and the evaluated blue books are distributed to students in the classroom within one week for taking feedback from students. The institution provides various knowledge enhancing & self-learning programs, such as e-learning, language lab, digital library, virtual labs, value-added courses, technical quiz, and cultural and technical fests.

The institution has a well-defined mentoring system in place wherein a faculty is assigned with 15-20 students to counsel the students in their studies as well as co-curricular activities. Parent-teacher meetings are organized

regularly to understand the problems faced by the students and to take corrective actions, wherever necessary. The Outcome-Based Education (OBE) is followed and Course outcomes and Programme outcomes are defined and evaluated.

Research, Innovations and Extension

Research at the institution is promoted at department levels through research projects at Undergraduate, Post Graduate & Ph.D. levels. The students are encouraged to take up mini projects, Major projects and industrial internships to improve their skills. The institution promotes research by Faculty Members as well as students through its R&D Cell. It takes care of various issues of research including ethical matters. The institution has 15 approved Research Centers of VTU with 193 research scholars pursuing their Ph.D. R&D Projects are being funded by various funding agencies like AICTE, VTU, VGST, KSCST, etc.

The institution encourages the active involvement of teachers in research. In the last five years, the faculty has published around 900 publications in reputed Journals. Ambedkar Centre for Tech Startup (ACTS) – The Startup Cell is to stimulate the growth of tech startups in the institution. ACTS facilitates business growth by forging partnerships at the national and global levels. ACTS consists of Dr.AIT faculty, alumni and other individuals and partners from like-minded organizations to foster student entrepreneurship through incubation, ecosystem development and academic initiatives. The ACTS startup cell helps student entrepreneurs to convert their ideas in becoming successful and profitable ventures by supporting them in project development and implementation, business planning, mentoring, commercializing their technologies, getting early seed funding, advice on intellectual property, training and development. To bridge the gap between industries and academia, Consultancy works are undertaken by staff members.

The institution also has Institution Innovation Council (IIC), and the role is to engage a large number of faculty, students and staff in various innovation and entrepreneurship-related activities such as ideation, Problem-solving, Proof of Concept development, Design Thinking, IPR, project handling and management at Pre-incubation/Incubation stage, etc., so that innovation and entrepreneurship ecosystem gets established and stabilized in the institution.

For sensitizing the students about social issues, the institution has conducted various extension activities. The institution has an NSS unit, which organizes various events such as Blood Donation Camp, Health Camp, Swatch Bharat Abhiyan on the Campus & Outside the Campus in rural areas, Awareness Program on Eco-Friendly Diwali, Eco-friendly Ganesha festival, Voting literacy for students & neighboring places. Also organizes Independence Day, Republic Day, Anti-Terrorism Day, Sadhbavan Divas, Constitution Day, etc. as per the guidelines of AICTE & Government of Karnataka.

Infrastructure and Learning Resources

The Institution is spread over 20.3 acres campus with state-of-the-art facilities. The infrastructure comprises Academic Buildings, an Auditorium with a seating capacity of 650, Seminar Halls/Digital Classrooms, Centralized UPS systems along with RO water supply etc.

The institution has 1340 computers & has a Wi-Fi facility throughout the campus and hostels. The institution has licensed software and application software, internet leased line connectivity with a bandwidth of 1.5 GBPS. All laboratories are equipped with modern facilities and almost all classrooms are fitted with state-of-the-art

ICT tools such as smart boards, LCD projectors, TV and Wi-Fi connectivity. During the pandemic periods, faculty members have used various ICT tools such as Google Classroom, Google meet, WebEx, zoom, Microsoft teams, etc. to effectively deliver lectures and share online resources.

The institution has a central library facility with well-stacked books and journals. E-Journals & E-books are made available to the students and staff through VTU Consortium. The library is automated with LIBSOFT software.

The institution provides facilities for sports and cultural activities. A gymnasium with modern equipment is also available.

Separate in-campus Hostels for Boys and Girls with all necessary facilities are available. A sewage Treatment Plant is initiated. Solar Water heating and solar street lights are provided to have an eco-friendly campus. For safety and security, CCTV is installed. Transport facilities are provided to both staff and students. Banking facilities with ATMs are available within the campus. Research labs are established with required research facilities. Advanced equipment is available to carry out consultancy works.

Student Support and Progression

The institution supports and helps students to apply for various government scholarships and freeships such as SC/ST, OBC, PMSSS and GOI quota.

The institution has a transparent mechanism for the timely redressal of student grievances. The committees for prevention of ragging, sexual harassment, discipline monitoring, etc. are formed to effectively prevent any untoward incident. The menace of ragging is viewed very seriously and Anti-Ragging Cell takes all necessary measures to curb the ragging within the campus.

Training on Soft skills, Language and Communication skills, Life skills, Aptitude, interview skills and technical skills such as computing skills are provided for the overall development of the students starting from the first year till the final year. The Career Guidance & Placement Cell organizes several skill development & career guidance programmes apart from regular training for all students from the first semester to the final semester. The interest of the students are mapped and training is provided to them in placement, higher education, competitive examinations and entrepreneurship. The campus drives are organized to facilitate the placement of the students by inviting reputed industries to the campus. Students are also encouraged to participate in pool campus drives.

Students represent various administrative bodies and academic committees such as the Board of Studies, IQAC, Anti Ragging Committee, Class Committees, Cultural Committees, Sports Committees, etc. Sports & Cultural festivals both at the Institution and Intercollegiate levels are held annually. Our students are representing the university in various sports activities. Students also participate in various social activities through NSS.

Cultural activities such as dance competitions, singing competitions, fashion shows, debates, collage making & sketching help the students in showcasing their talents. Intercollegiate cultural fest "Sanskriti" is conducted in which the students play a major role in organizing the event. Students are encouraged to take up social responsibilities by organizing blood donation camps to help the needy.

Alumni have contributed to their Alma Mater financially and non-financially such as interacting with present

students, arranging guest lectures, campus placements and industrial visits. Alumni meets are organized yearly.

Governance, Leadership and Management

The Governing Body (GB) approves the policy decisions to be implemented by the Institution. The GB is constituted in accordance with UGC/AICTE regulations. The Governing body has representatives from different levels of faculty.

The Academic Council (AC) is constituted in accordance with the guidelines issued by UGC & VTU. All the department heads are members of the AC, which makes significant academic and administrative decisions. The AC recommends its decisions to the GB in matters pertaining to curricular, co-curricular and other activities. The GB reviews and approves the minutes of AC meetings, as well as financial, disciplinary and other matters.

The Institution promotes a culture of decentralization and participative management involving all stakeholders in the process of decision-making. Right from the Management Committee to the staff and students, all the stakeholders have a role to play in the success of the institution. Their involvement and cooperation in devising and implementing decision-making policies for academic and administrative affairs through various bodies and committees have contributed to the growth of the Institution.

The strategic plan of the Institution has been well designed by considering the inputs from stakeholders through focused discussions, feedback, conferences and workshops by adopting participatory techniques, at department and institutional levels.

Various staff welfare schemes are implemented in the Institution to attract good faculty. Schemes such as CPF, ESI, Gratuity, Group Insurance, TA/DA reimbursement, salary advance, etc. are provided.

The Institution conducts internal and external financial audits periodically and has its own mechanism to conduct audits. The annual budget of the department is prepared by the respective HODs and submitted to the Principal for approval. The Principal consolidates and prepares the institutional budget and submits the same for approval to the Governing Body.

The IQAC has contributed significantly towards improving curriculum enrichment, academic excellence, teaching and learning process, evaluation methods and research atmosphere in the institution. The syllabus of various courses in the departments has been periodically reviewed and upgraded to meet the industrial requirements.

Institutional Values and Best Practices

The motto of Dr.AIT is to provide quality technical education imbued with human values and academic professionalism. The institution makes every effort to achieve the goal.

The institution sensitizes students and employees regarding gender equity by organizing various activities. The institute promotes gender equity in admissions, recruitment, administrative functionality and academic activities. The institution makes sincere efforts to empower women faculty and girl students. The institution organizes several awareness programs and walkathons regarding women's welfare and gender sensitization. The

institution considers the safety and security of the girl students as paramount and has initiated many fool-proof measures. The entire campus and hostels are under CCTV surveillance. The hostels are fenced and gated properly. The sanitary napkin incinerators as well as sanitary napkin vending machines are installed for the health and hygiene of the girls.

The institution is undertaking several efforts and initiatives for providing an inclusive environment for students, teaching, and non-teaching staff members. Swachh Bharat Abhiyan and Unnat Bharat Abhiyan are some of the initiatives taken up by the Institution. Students have taken up many cleanliness drives both inside the campus and in nearby villages. Celebration of cultural and constitutional festivals is an integral part of the institution's co-curricular activities.

The institution has a code of conduct for students, faculty and staff. The student handbook is distributed to all the students.

Green Practice and Career Support System are some of the best practices adopted by the institution. The aim is to impart skill and knowledge to map the student's interests and capabilities with the skill development to be provided, and continuously monitor the student's progress in terms of academic performance, learning, attendance, and general behavior. The distinctive feature of the institution is the conduction of industry

The institute interacts with industries that are relevant to time and branch of study through the industry-institute interaction cell.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	DR. AMBEDKAR INSTITUTE OF TECHNOLOGY
Address	BDA Outer Ring Road, Mallathahalli,
City	BENGALURU
State	Karnataka
Pin	560056
Website	www.drait.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	M Meenakshi	080-23211232	9480494025	080-23217789	principal@drait.edu.in
IQAC / CIQA coordinator	Mahalinga V Mandi	080-23211231	9448800637	080-23217789	iqac@drait.edu.in

Status of the Institution	
Institution Status	Grant-in-aid and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of Establishment, Prior to the Grant of 'Autonomy'	01-11-1980

Date of grant of 'Autonomy' to the College by UGC

01-09-2010

University to which the college is affiliated		
State	University name	Document
Karnataka	Visvesvaraya Technological University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	27-05-2009	View Document
12B of UGC	18-01-2021	View Document

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	01-07-2022	12	AICTE Extension of Approval EOA for the Current year is continued

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	BDA Outer Ring Road, Mallathahalli,	Urban	20.3	50900.45

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	BE,Civil Engineering	48	Twelfth	English	120	84
UG	BE,Mechanical Engineering	48	Twelfth	English	120	76
UG	BE,Electrical And Electronics Engineering	48	Twelfth	English	60	59
UG	BE,Electronics And Communication Engineering	48	Twelfth	English	180	178
UG	BE,Industrial Engineering And Management	48	Twelfth	English	30	18
UG	BE,Electronics And Instrumentation Engineering	48	Twelfth	English	60	60
UG	BE,Computer Science And Engineering	48	Twelfth	English	180	180
UG	BE,Electronics And Telecommunication	48	Twelfth	English	60	59
UG	BE,Information Science And Engineering	48	Twelfth	English	60	60
UG	BE,Aeronitic	48	Twelfth	English	60	26

	al Engineering					
UG	BE,Computer Science And Business Systems	48	Twelfth	English	60	35
UG	BE,Artificial Intelligence And Machine Learning	48	Twelfth	English	60	52
PG	Mtech,Civil Engineering	24	ENGINEERING DEGREE	English	18	18
PG	Mtech,Mechanical Engineering	24	ENGINEERING DEGREE	English	18	0
PG	Mtech,Electrical And Electronics Engineering	24	ENGINEERING DEGREE	English	18	1
PG	Mtech,Electronics And Communication Engineering	24	ENGINEERING DEGREE	English	18	3
PG	Mtech,Computer Science And Engineering	24	ENGINEERING DEGREE	English	25	5
PG	MCA,Mca	24	DEGREE	English	60	60
PG	MBA,Mba	24	DEGREE	English	60	59
Doctoral (Ph.D)	PhD or DPhil,Civil Engineering	36	POST GRADUATION DEGREE	English	5	5
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	36	POST GRADUATION DEGREE	English	24	24
Doctoral	PhD or DPhil	36	POST GRA	English	15	15

(Ph.D)	I,Electrical And Electronics Engineering		DUATION DEGREE			
Doctoral (Ph.D)	PhD or DPhil, Electronics And Communication Engineering	36	POST GRADUATION DEGREE	English	29	29
Doctoral (Ph.D)	PhD or DPhil, Industrial Engineering And Management	36	POST GRADUATION DEGREE	English	3	3
Doctoral (Ph.D)	PhD or DPhil, Electronics And Instrumentation Engineering	36	POST GRADUATION DEGREE	English	8	8
Doctoral (Ph.D)	PhD or DPhil, Computer Science And Engineering	36	POST GRADUATION DEGREE	English	18	18
Doctoral (Ph.D)	PhD or DPhil, Electronics And Telecommunication	36	POST GRADUATION DEGREE	English	15	15
Doctoral (Ph.D)	PhD or DPhil, Information Science And Engineering	36	POST GRADUATION DEGREE	English	16	16
Doctoral (Ph.D)	PhD or DPhil, Medical Electronics Engineering	36	POST GRADUATION DEGREE	English	1	1
Doctoral (Ph.D)	PhD or DPhil, Mca	36	POST GRADUATION DEGREE	English	10	10
Doctoral (Ph.D)	PhD or DPhil, Mba	36	POST GRADUATION DEGREE	English	5	5

Doctoral (Ph.D)	PhD or DPhil, Physics	36	POST GRADUATION DEGREE	English	1	1
Doctoral (Ph.D)	PhD or DPhil, Chemistry	36	POST GRADUATION DEGREE	English	2	2
Doctoral (Ph.D)	PhD or DPhil, Mathematics	36	POST GRADUATION DEGREE	English	20	20

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	13				33				77			
Recruited	9	4	0	13	18	9	0	27	12	9	0	21
Yet to Recruit	0				6				56			
Sanctioned by the Management/Society or Other Authorized Bodies	21				16				153			
Recruited	15	6	0	21	7	9	0	16	55	96	0	151
Yet to Recruit	0				0				2			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				82
Recruited	25	24	0	49
Yet to Recruit				33
Sanctioned by the Management/Society or Other Authorized Bodies				94
Recruited	60	34	0	94
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				117
Recruited	68	5	0	73
Yet to Recruit				44
Sanctioned by the Management/Society or Other Authorized Bodies				57
Recruited	52	5	0	57
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/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	24	10	0	14	13	0	18	20	0	99
M.Phil.	0	0	0	0	0	0	1	6	0	7
PG	0	0	0	0	0	0	53	85	0	138
UG	0	0	0	0	0	0	0	0	0	0

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

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

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	3	2	0	5

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	460	44	1	0	505
	Female	295	8	0	0	303
	Others	0	0	0	0	0
PG	Male	74	1	1	0	76
	Female	71	0	0	0	71
	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
Certificate / Awareness	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					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	338	319	291	303
	Female	209	222	230	224
	Others	0	0	0	0
ST	Male	118	114	116	97
	Female	55	55	51	50
	Others	0	0	0	0
OBC	Male	932	934	959	1087
	Female	615	626	624	663
	Others	0	0	0	0
General	Male	1381	1386	1343	1219
	Female	714	795	780	711
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		4362	4451	4394	4354

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Aeronautical Engineering	View Document
Artificial Intelligence And Machine Learning	View Document
Chemistry	View Document
Civil Engineering	View Document
Computer Science And Business Systems	View Document
Computer Science And Engineering	View Document
Electrical And Electronics Engineering	View Document
Electronics And Communication Engineering	View Document
Electronics And Instrumentation Engineering	View Document
Electronics And Telecommunication	View Document
Industrial Engineering And Management	View Document
Information Science And Engineering	View Document
Mathematics	View Document
Mba	View Document
Mca	View Document
Mechanical Engineering	View Document
Medical Electronics Engineering	View Document
Physics	View Document

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<ul style="list-style-type: none"> • In order to provide holistic academic growth among students, an Interdisciplinary curriculum has been proposed which gives freedom to the student to choose their preferred options from the range of programmes offered by the institution. • The Institute offers interdisciplinary courses (open elective courses) such as Robotics, Cryptography, Artificial Intelligence and Prolog Programming, Machine Learning, Computer Integrated Manufacturing and Automation, IoT, and these courses promote a new approach among students which is otherwise not possible through classical courses. • The Institute offers Multidisciplinary Programmes viz Artificial
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	Intelligence and Machine Learning, Computer Science and Business Systems, and Aeronautical Engineering.
2. Academic bank of credits (ABC):	The government of India, Under National Education Policy-2020, intends to enable students across the nation with the “Academic Bank of Credits” (ABC) system for fulfilling their thirst for knowledge by providing academic flexibility to pick and modify their educational paths, link diverse disciplines, and; assist them in acquiring the proper foundations and building blocks for their ambitions. The “Academic Bank of Credits” (ABC) is an educational digital platform created to facilitate students’ seamless mobility between or within degree-granting Higher Education Institutions (HEIs) through a formal system of credit recognition, credit accumulation, credit transfers, and credit redemption in order to promote distributed and flexible teaching and learning. The ABC platform will provide students (having a DigiLocker account) with the opportunity to register for a unique ABC ID, an interactive dashboard to see their credit accumulation and options to begin a choice-based credit transfer mechanism.
3. Skill development:	<ul style="list-style-type: none"> • The Institute has already been running courses such as Career Development skills as Aptitude skills, Verbal Ability Skills, Technical Skills, and Pre-Placement training for the students of all UG Programme from the first to the Seventh semester. • Introduced internships at various levels of the B.E. Programme to increase the employability skills of students : • All the departments have introduced Professional core electives and Global elective courses in the 3rd and 4th year B.E. and a few topics under these courses are industry based which certainly increases the skills of students in their respective fields.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<ul style="list-style-type: none"> • Regarding the adoption of Indian languages, the Institute offers one of the Indian languages viz Kannada course in B.E. degree. Kannada will be taught to both Kannadiga and Non-Kannadiga students. Local languages will fetch extra credit to the student. These changes will also increase the employability opportunities for the faculty and subject experts of these languages. • Students are encouraged to visit local heritage sites/museums and

	<p>they value the culture and traditions. This will also boost the tourism sector in Karnataka and Create awareness amongst students. • Every year Institute celebrates Kannada Rajyotsava on 1st November. Institute also organizes a cultural festival named as KALARAVA in which students will actively participate and present the heritage of Karnataka. • Some of our faculty members have fluency in a speech in other Indian languages like Hindi, Malayalam, Telugu, Tamil, Marathi, etc. This will help in interacting with the students of other states.</p>
5. Focus on Outcome based education (OBE):	<p>• Outcome-based education (OBE) aims to bring about uniformity in the syllabus for all programs. A variety of approaches to the teaching-learning process like lectures, seminars, tutorials/workshops/practical and project-based learning fieldwork, technology-enabled learning internships and research work is suggested. The student learning outcome should be defined in terms of knowledge, skills, understanding of values and employability. This institution, being autonomous with VTU, Belagavi, follows the guidelines as and when directed. • The College also makes an effort to understand that the pursuit of knowledge is a life-long activity and to acquire a positive attitude and other qualities which will lead students to a successful life. To interpret, analyze, evaluate and develop responsibility and effective citizenship is one of the programme outcomes for the students.</p>
6. Distance education/online education:	<p>• The institution provided, (especially during COVID-19 pandemic situations) teaching learning process through different online modes like Google Classroom, Zoom, and Google, using videos as teaching and learning aids, Group collaboration and interaction and assignment and revision, as well as the assessments, have been conducted. These are some of the institutional efforts toward blended learning. Tests and Proctored Examinations were also conducted during pandemic situations. • The whole college campus is wifi enabled with digitally interactive panels installed in classrooms and hence no hindrance /obstacle was found in online education. All types of e-content material prepared by faculty members are available to all students.</p>

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes Electoral Literacy Club (ELC) has already been set up in the Institute
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Students co-ordinator and co-ordinating faculty member are appointed by the College and ELC is functional
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	ELC along with the NSS Unit of Dr. Ambedkar Institute of Technology is already involved in campaigning for Voter registration of students and also local communities. Also in association with Bruhat Bengaluru Mahanagara Malike (BBMP) officials are invited to the Institute to council our students on voting awareness
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	A voter's awareness program was organized by the NSS unit, Dr.AIT on the 4th and 13th of April 2019. During this event, staff and students of Dr.AIT involved themselves in creating voter awareness inside the campus and a campaign in nearby areas of Dr.AIT was organized as a part of this event. NSS co-ordinators and student coordinators and volunteers of the DR.AMBEDKAR INSTITUTE OF TECHNOLOGY actively participated in this program.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	Almost 90% of eligible students are registered as voters at our Institute.

Extended Profile

1 Program

1.1

Number of programs offered year-wise for last five years

2021-22	2020-21	2019-20	2018-19	2017-18
19	22	21	22	21
File Description		Document		
Institutional data in prescribed format		View Document		

1.2

Number of departments offering academic programmes

Response: 13

2 Students

2.1

Number of students year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
4362	4454	4392	4343	4315
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
973	971	890	905	876
File Description		Document		
Institutional data in prescribed format		View Document		

2.3

Number of students appeared in the examination conducted by the Institution, year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
4265	4315	4229	4331	4294
File Description		Document		
Institutional data in prescribed format		View Document		

2.4

Number of revaluation applications year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
390	106	381	200	133

3 Teachers**3.1**

Number of courses in all programs year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
795	842	728	709	695
File Description		Document		
Institutional data in prescribed format		View Document		

3.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
249	245	252	259	244
File Description		Document		
Institutional data in prescribed format		View Document		

3.3

Number of sanctioned posts year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
249	245	252	259	244
File Description			Document	
Institutional data in prescribed format			View Document	

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

2021-22	2020-21	2019-20	2018-19	2017-18
954	993	1010	1026	1073
File Description			Document	
Institutional data in prescribed format			View Document	

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

2021-22	2020-21	2019-20	2018-19	2017-18
589	661	631	658	643
File Description			Document	
Institutional data in prescribed format			View Document	

4.3**Total number of classrooms and seminar halls****Response: 88****4.4****Total number of computers in the campus for academic purpose****Response: 1128**

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

2021-22	2020-21	2019-20	2018-19	2017-18
376.31	427.91	923.29	615.11	613.33

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

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

Response:

The curriculum is designed as per the guidelines of Outcome Based Education (OBE). Accordingly, the mapping of various criteria's made with the curriculum. The starting point is the input from faculty, industries, lead societies, and roadmaps. The Department committee identifies faculty members with relevant specializations and assigns the curriculum design to them. Faculty members prepare the course curriculum incorporating the latest developments in the respective subject domains. The Department committee lists the courses and prepares a semester-wise sequence of courses and a scheme of study. Periodically department committee meets & revisits the curriculum. The proposal is placed before the Board of Studies (BOS)/Department Advisory Board (DAB) of the Department, for deliberations and suggestions. The assessment of needs is carried out on the basis of the following: Feedback from all the stakeholders.

The curricula designed are mainly focused on Employability, Innovation, and Research.

Employability:

The curriculum and syllabi of both UG and PG programs are prepared with the contribution of industry representatives to meet their general and specific requirements.

- Most of the courses of the UG and PG programs enable the students to enhance their technical and logical skills.
- Theory courses are augmented by corresponding practical courses which develop in students the skills related to design, development, debugging, evaluation, instrumentation, etc.
- Mini-projects are a part of the curriculum of the 3rd Year (Sixth Sem) of all UG programmes. The main project is split into two phases, carried out by the UG students in the Seventh & Eighth semesters of the program either in the department or in the industry. In addition, the internship programme is also a part of the curricula of all UG programme as per AICTE and VTU norms. For PG programs, one full-year dissertation is a part of the curriculum. In addition, the internship programme is also a part of the curricula of all PG programme.

Innovation:

- Students are given a number of opportunities to exhibit their innovative skills by participating in Project Exhibition (a national-level annual technical event organized by the college every year during the Ambedkar Jayanthi celebration on 13th and 14th April), Tech-FEST and conferences/seminars (organized by various departments), Design contest held by TI Bangalore, and technical events organized by other colleges. The students of this institute not only participated

in such National level events but also grabbed prizes.

- Each department student organization mentioned below organizes competitions on various technical skills throughout the year.

Research:

The Institute has established 15 research centers recognized by VTU to provide the platform for the candidates to register for part-time/full-time Ph.D. / M.Sc. Engg by research degree. Apart from this Institute has a linkage with a research organization (DRDO), academic institutes of national repute (IISC, IITB, IITM), and industries (Bosch, Texas Instruments, National Instruments, Corel, PRDC, etc.) in order to pursue collaborative research.

- The courses on mini-projects and projects make the students review the literature and prepare the synopsis. This helps them to cultivate a self-learning attitude.
- Faculty members are deputed under QIP to pursue Ph.D at reputed Institutions.
- Financial support is given to the students and faculty members who present papers at national or international conferences.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 89.47

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

Response: 19

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

Response: 17

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Details of program syllabus revision in last 5 years(Data Template)	View Document
Link for Additional Information	View Document

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years**Response:** 68.75**1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years..**

2021-22	2020-21	2019-20	2018-19	2017-18
338	493	521	601	600

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Average percentage of courses having focus on employability/ entrepreneurship(Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

1.2 Academic Flexibility**1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.****Response:** 31.52**1.2.1.1 How many new courses are introduced within the last five years****Response:** 516**1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.****Response:** 1637

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

1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).

Response: 94.74

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

Response: 18

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for 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 curriculum of Dr. AIT is effectively integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment, and Sustainability leading to a strong value-based holistic development of students. Various activities are organized throughout the year as part of the curriculum that helps in this endeavor. Department of Humanities and Social Sciences offers courses viz Constitution of India and Professional Ethics, Intellectual Property Rights, Health & Wellness, and Management and Entrepreneurship courses to engineering students at various levels.

Professional Ethics: Professional ethics is addressed through the course " Constitution of India & Professional Ethics", offered in the second year (III/IV semester) of the engineering programme. The primary objective of this course is to ensure that the students have knowledge of the constitution, fundamental duties and rights of citizens, professional ethics, and the responsibilities of engineers. The

course Intellectual Property Rights offered in the third year (V/VI semester) also provides awareness about cybercrimes and cyber laws, copyrights, trade mark, and patents.

Human Values: The Students of First Year UG undergo Student Induction Program (SIP) in which cross-cutting issues like Human Values and Professional Ethics are addressed. In SIP students get aware of professional ethics & values for their overall development, understand the importance of the right understanding and right feeling to achieve Happiness, and also know the importance of Family in life. Human Values are also addressed through the courses Health & Wellness, Universal Human Values are offered in the I/III/IV semester for the engineering students admitted in 2021-22. Through these courses, the students will learn to become aware of themselves, be responsible in life, handle situations, and balance relationships, and also understand that values and trust have great importance in learning to have an accord with the family and the society. The Department of MBA offers a course “Management and Organisational Behaviour” in 1st semester. The primary objective of this course is to realize the organizational behavior and foundations of individual behavior and demonstrate the same in taking critical decisions.

Environment and Sustainability: The issues of Environment and Sustainability are addressed through the course "Environmental Studies" offered in the 6th & 7th semesters to engineering students.

Through this course, students are sensitized to ecological and environmental issues connected with land, air, and water, with an awareness of sustainable development. Environment awareness seminars, guest lectures, industry visits, and field excursions are organized. Environment Day, Earth Day, and Water Day are annually celebrated.

Gender equity: Dr. AIT is imparting quality education to shape global leaders and has a firm belief in gender equity which is indispensable to ensure the sustainable development of a country. Institute has initiated good measures to sensitize and promote gender equity amongst the stakeholders through curricular and co-curricular activities. To promote gender equity among the students, Institute supports flexible seating arrangements in the classrooms, equal representation of both genders in the leadership positions of class and college-level committees, and curricular and co-curricular activities. The Institute makes concerted efforts to create a congenial environment free from gender discrimination through mutual respect.

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

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

Response: 52**1.3.2.1 How many new value-added courses are added within the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
15	18	9	5	5

File Description	Document
List of value added courses (Data Template)	View Document
Brochure or any other document relating to value added courses	View Document
Any additional information	View Document

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.**Response: 12.41****1.3.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
588	848	551	611	126

File Description	Document
List of students enrolled	View Document
Any additional information	View Document
Link for Additional Information	View Document

1.3.4 Percentage of students undertaking field projects/ internships / student projects (Data for the latest completed academic year)**Response: 57.27****1.3.4.1 Number of students undertaking field projects / internships / student projects****Response: 2498**

File Description	Document
List of programs and number of students undertaking field projects / internships / student projects (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

1.4 Feedback System

1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni Response: A. All 4 of the above	
File Description	Document
Any additional information	View Document
Action taken report of the Institution on feedback report as minuted by the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document
Link for Additional Information	View Document

1.4.2 The feedback system of the Institution comprises of the following : Response: C. Feedback collected and analysed	
File Description	Document
Any additional information	View Document
URL for stakeholder feedback report	View Document
Link for Additional Information	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: 81.02

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

2021-22	2020-21	2019-20	2018-19	2017-18
954	993	1010	1024	1073

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1177	1321	1179	1285	1285

File Description	Document
Institutional data in prescribed format (Data Template)	View Document
Any additional information	View Document
Link for 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: 57.53

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

2021-22	2020-21	2019-20	2018-19	2017-18
359	360	369	371	369

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

2.2 Catering to Student Diversity

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

Response:

At the time of course registration, a team of faculty members assigned as mentors interacts with the students to get to know their background of the student and if he/she requires any special attention. The key issues generally identified are:

- Whether he/she comes from a rural area or the medium of his/her school learning. Generally, they lack confidence and clarity while speaking in English. In general, they lack communication skills.
- Some of the students are from an economically poor backgrounds and have financial problems.
- Some of the students seem to be weak in understanding basic principles associated with engineering courses. This is generally evident from their CET score and their score in Physics, Chemistry and Mathematics.

Remedial Actions Initiated:

- To address the problem of the English language, and communication skills, a one-year course is included in the curriculum so that students learn technical English and develop communication skills through Language Laboratory.
- As far as financial problems are concerned, students are informed about various government and non-government schemes (Scholarships, Loan facilities, etc.,) and enough guidance is given for applying for financial assistance.
- The academically weak students are given personal attention by the faculty of the first year by conducting a number of extra lectures and remedial classes so as to improve their understanding.
- The different categories of students admitted in the system like reserve categories, OBCs and minorities are mixed properly in different groups to encourage inclusiveness and overall growth of the students.
- Remedial classes in mathematics and personality development tools are adopted for improving the soft and hard skills of the students.
- Additionally, mentoring is operational, where a mentor is assigned to each student to facilitate counseling and guidance for the students in the institute.
- The College does provide bridge/add-on courses for the topics having gaps in the syllabus. Generally, such gaps are covered by the concerned faculty whenever required (for the Purpose of the continuity of the subject matter) during the regular timetable hours. In addition, experts from industry/premier Institutions are regularly invited by all departments to deliver talks/ training on subject domain topics.

Remedial Classes:

The institution has a very good mechanism for continuous evaluation and monitoring of the progress of the students, which helps to identify slow learners.

- Slow learners are given enough assistance during tutorial classes by clarifying their doubts, re-explaining the critical conceptual topics and giving them extra assignments so that these students improve their performance.
- The students remaining absent frequently and hence failing in performance are counseled, their parents are consulted and collective efforts are taken by the parents and the institute to see that students attend the classes regularly.
- National Programme for Technologically Enhanced Learning (NPTEL) Courses is made available to all students, and are accessible through Wi-Fi connectivity from anywhere on the campus

**** for more details refer to page Number 37 of academic regulations in the website link provided**

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 17.52

File Description	Document
Any additional information	View Document
Link for 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 Institute practices a teaching methodology that focuses on imparting education through a student-centric approach. All the courses are defined highlighting course objectives and course outcomes, This provides a comprehensive understanding to the student right at the beginning of the course as to what should be the primary focus.

Experiential Learning: The Institute imparts the following experiential learning practices to enhance the creativity and cognitive levels of the students:

- Innovative methods of teaching such as Audio- Visual methodology, Language Lab, etc
- Students are given information about the specific websites for accessing E- Material, and the availability of learning material, and are also exposed to NPTEL, QEEE, etc., to enable them to learn the topics of their own interest.
- Non-credit courses including employability skills are provided to evolve the aesthetics of the students.
- Laboratory Sessions are conducted in an interactive way.
- Students get hands-on training by carrying out internships in Industries.
- Industrial Visits to engage them in experiential learning.
- Certification Courses (Value-Added Courses)
- Participation in simulated events such as hackathons where they acquire experience working on some real-life model.
- Project development on the latest technologies by students where they showcase their working model in the technical fest.

Participative Learning:

- All departments conduct innovative programs(Tech Fest) which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and ensure participative learning.
- The institute organizes an annual technical fest (National level) in which students showcase their learning through innovative projects. Also, students are motivated to participate in inter-college as well as national-level competitions.
- NSS Cell and NCC unit have been set up for the students to participate, integrate and learn.
- Student representation in administration is an important initiative taken by the Institute. Representatives of students serve as members on committees like the Internal Quality Assurance Cell, Board of Studies (BoS), and Governing Body in order to involve them in the decision-making process and maintain transparency apart from inculcating a sense of responsibility in them.
- **Problem-solving methods:** Departments encourage students to acquire and develop problem-solving skills. For this, departments organize expert lectures on various topics, motivate students to join MOOC courses, participate in various inter-college and intra-college technical fests and other competitions such as,
 - Regular Assignments based on problems
 - Major and Mini Projects
 - Regular subjectwise Quiz
 - Case studies and group Discussion
 - Class presentations
 - Debates
 - Participation in Inter college events
 - Seminar
 - Internships
 - Group Activity

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

The latest technologies and facilities used by the faculty for effective teaching are:

- Computer-aided teaching methods through PowerPoint Presentations using LED projectors
- E-learning material (e-books and e-journals), NPTEL, QEEE
- Digital Library
- ICT usages such as SMART board with data storage facility etc.
- WiFi-enabled campus allows students to learn from any corner of the campus

The following facilities are made available by the college to facilitate computer-aided teaching/learning:

- Each department is provided with sufficient computers, Notebooks and laptops for faculty members with internet facilities.
- Each department is provided with LED projectors and a multimedia facility to conduct Guest lecturers or seminars.
- A magnificent Digital Library with online access to IEEE, Springer, Elsevier, ASME and ASCE is available in the Institute.
- Digital Library has the e-resources like DELNET, N-List, CDs/ISIS, NPTEL Material, etc.
- Laboratories are equipped with modern learning software.
- All academic practices (like uploading of the syllabus, a question bank, attendance, results in announcements, etc., are computer-based.
- Apart from the facilities available at the college, some orientation courses are conducted for the newly joined faculties. Also, the institute encourages faculty members to participate in workshops organized by other institutes.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)**Response:** 17.59**2.3.3.1 Number of mentors ?????????????? ???????****Response:** 248

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll	View Document
Circulars pertaining to assigning mentors to mentees	View Document
Any additional information	View Document
Link for additional information	View Document

2.3.4 Preparation and adherence of Academic Calendar and Teaching plans by the institution**Response:**

Preparation and Adherence of Academic Calendar: Every semester the Dean(Academic) prepares the Academic Calendar for the institution's effective functioning. The draft calendar is discussed and approved by the College Council. The Academic Calendar ensures the smooth functioning of the Institution. The academic calendar provides the total effective working days available in a given semester. The Calendar includes the details of all the working days, holidays, dates of the Continuous Internal Assessment Tests, submission of attendance defaulter reports, Examinations, declaration of results, list of activities of the academic year, and the dates of national as well as religious importance. The same is also uploaded on the website. The institution carries out the activities as per the calendar.

Teaching Plan: All courses are handled as per the schedule in the academic calendar and timetable. The faculty prepare a unit-wise teaching plan, describing timescale, teaching aids, methods of teaching-learning, and assessment of the same and it is duly approved after careful examination by the Head of the Department and made available to the students.

The teaching plan for each course visualizes the goal of the faculty to make each class more informative, interesting, analytical, and resourceful. The faculty are encouraged to update the methods of teaching and evaluation, especially the use of ICT-enabled tools and facilities. The faculties are able to assess the learning ability of the students periodically on the basis of their individual teaching plans. It, thus, helps both the faculty and the students to take part in the teaching and learning process effectively. Apart from this, all faculty clearly mention the objectives, and outcomes of the course that students are supposed to achieve at the end of the course.

Semester-wise feedback and graduate exit survey are collected from the students and is analyzed to orient the teaching in such a way that the average student attains the outcomes to an expected level.

File Description	Document
Upload Academic Calendar and Teaching plans for five years	View Document
Any additional information	View Document
Link for Additional Information	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: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document
Link for 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: 35.73

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

2021-22	2020-21	2019-20	2018-19	2017-18
97	94	90	85	80

File Description	Document
Institutional data in prescribed format (Data Template)	View Document
Any additional information	View Document
Link for 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:** 12.83**2.4.3.1 Total experience of full-time teachers****Response:** 3195

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

2.5 Evaluation Process and Reforms**2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years****Response:** 13.2**2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
21	13	13	11	08

File Description	Document
Institutional data in prescribed format (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years**Response:** 0.03**2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
05	0	0	1	0

File Description	Document
Number of complaints and total number of students appeared year wise	View Document
Link for Additional Information	View Document

2.5.3 IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in Examination Management System (EMS) of the Institution

Response:

Dr. Ambedkar Institute of Technology has been continuously carrying out reforms in its examination procedure through the integration of IT in all the procedures and processes of the examination system. The reforms are made in respect of Continuous Internal Assessment procedures. Semester End Examination procedure has been automated using in-house IT software. The IT integration has modernized the entire examination process and has speeded up the functioning mechanism while making the whole process more transparent.

Continuous Internal Evaluation is conducted at respective departments. The B-forms are prepared at the examination section based on the room allotment. The software is developed to print the B-forms at the department for the smooth conduct of the CIA. CIA marks are submitted to the examination section by the faculty members from the department using IT infrastructure. CIA marks are published on the institute's website. It includes marks secured by the students, attendance status NSA and NSC details.

Semester End Examination is conducted in a centralized manner. B-forms (Attendance sheet) and A-forms (subject-wise present and Absentees' statement) are generated. Semester End Examination answer scripts are scanned and converted to digital form by masking the identity of the student. Examiners evaluate the answer scripts on the computer and print the marks sheet. Question paper, scheme and solution are made available on the screen to ease the evaluation. Digital marking helps to maintain uniformity and accuracy in the evaluation of answer booklets. Examiners submit the marks and print the remuneration bill from the valuation desk. The Semester End Examination results are announced on the institute website so that students download and check their results at their desks.

Printing of CIA results, admission tickets, SEE results, grade card, and transcripts are computerized. The IT integration minimizes human errors and facilitates accurate and faster calculations of SGPA, CGPA and grades of students appearing in semester examinations.

Project dissertation reports of MBA/ MCA/ MTech (PG Programs) students are submitted online by the concerned guide or HoD. HoDs recommend four external examiners. Dissertation reports will be sent to the internal guide and one of the external examiners by the Dean (Examinations). Internal and External

examiners evaluate the report and submit the marks and comments. After the submission of evaluation marks and comments by both examiners, viva-voce is conducted jointly by the examiners and marks are submitted to the examination section.

The examination fee, college annual fee and other fees are paid by the students through the online links on the college website.

Examination Reforms:

Course Outcomes are marked against every question. Course Outcomes convey what is expected from the students at the end of the course completion. Measuring the attainment of Course Outcomes enables the course teacher to plan a strategy for improvement.

Revised Bloom's Taxonomy levels are mentioned against every question to indicate the complexity of the question. RBT levels are marked to encourage faculty to set questions at higher levels so that students learning levels are elevated.

Semester End Examination Question papers are audited by internal and external professors for complexity and Revised Bloom's Taxonomy levels of the set questions. The question papers, scheme, and solution are made available on the computer.

File Description	Document
Any additional information	View Document
Link for 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:

Program Outcomes (POs) are broad descriptions of the professional achievements that the programme seeks to achieve and these are expected of the students by the time the programme is completed. The information, abilities, and personality traits that students must develop in order to graduate are included in several different interrelated categories of POs.

The specific skills and accomplishments that students must demonstrate at the micro level and by the program's conclusion are known as Programme Specific Outcomes (PSOs). In cooperation with the course coordinators, the programme coordinators create the PSOs.

Course outcomes (COs) are clear assertions of what students should know and be able to do after successfully completing the course. They also characterize the depth of learning that is anticipated.

The department offering the relevant programme develops the Program Specific Outcomes (PSOs), Programme Educational Objectives (PEOs) and Course Outcomes (COs) in strict conformance with the goals of Outcome Based Education (OBE) following extensive consultation with all faculty members and stakeholders.

The HODs educate the students on POs, PSOs, PEOs and COs while speaking to them. Faculty members, mentors, course coordinators, and programme coordinators also provide information to students and raise their awareness of the significance of the objectives. In every engagement with the pupils, the promotion of awareness of POs, PSOs, and COs is intentional. The following mechanisms are used to make the POs/PSOs of the programme public:

- Institute Website
- Curriculum
- Department Notice Boards
- Laboratories
- Professional Body meeting
- Student Induction Program
- Faculty Meeting
- Parents Meeting
- Alumni meeting

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

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

Response:

The curriculum and syllabus are developed by taking into consideration all the POs, PEOs, PSOs and COs. During the commencement of the semester, the target value for the course will be fixed by the Course Coordinator. The method of assessment should be informed to the students clearly. The Faculty members will do a review of the assessment in due course, and suggestions will be provided for the necessary actions for improvement.

The POs, PSOs and CO attainments are evaluated through direct & indirect measures.

Direct Assessment Tools:

1. Continuous Internal Evaluation (CIE): Three internal assessment tests will be conducted in all the theory courses in a given semester. Each assessment includes both objective and descriptive questions. The sum of the best two performances out of the three assessments will be considered as the final CIE Marks along with assignments and group activity for a maximum of 50 marks. For practicals, only one internal

evaluation is carried out after completing all experiments for a maximum of 50 marks.

2. Semester End Examination (SEE): Theory/drawing and practical examination are conducted at the end of each semester, on the dates notified by the Controller of Examination based on the calendar of events. The examination is for a maximum of 100 marks. The examination will be for the duration of three hours for 3 and 4-credit courses and two hours for 2-credit courses.

Indirect Assessment Tools:

1. Graduate Exit Survey: Student input is vital to our program evaluation process. The results of this survey contribute to the overall program assessment established in the department to maintain the quality of our graduate program.

2. Alumni Survey: Alumni survey is taken after one year of graduation. The ideas and opinions of alumni are extremely important to us. These alumni fulfill their roles in the industry from entry-level engineers to Department Chairs. Alumni of the program have many opportunities to interact directly with the Department Chair or individual faculty members by attending Department events throughout the year.

3. Employer Survey: The employer survey is taken after three years of graduation. In this survey, employers were asked to state their agreement or otherwise with 12 issues covering a range of areas related to academic and basic selection criteria, graduate career preparedness, work experience, extracurricular activities, and relationships with institutions.

4. Course End Survey: At the end of every semester, students give feedback for the course taught to them. In this feedback survey, students tell how effective the course was in order to achieve POs.

At the end of the course, the Course Coordinator measures the attainment of COs based on the above assessment methods and reports about their observations and actions that need to be taken for further improvement in the assessment process.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 96.05

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

Response: 973

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

Response: 1013		
File Description	Document	
Upload List of Programmes and number of students passed and appeared in the final year examination(Data Template)	View Document	
Link for the annual report	View Document	
Link for additional information	View Document	

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process		
Response:		
File Description	Document	
Upload database of all currently enrolled students	View Document	
Upload any additional information	View Document	
Link for any additional information	View Document	

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

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

Response:

The R&D Cell is headed by the Dean of Research and Development at Dr.AIT, Bangalore. The various facilities, dynamic initiatives to promote research (both sponsored & academic research) and consultancy are unparalleled at Dr.AIT.

The sparkling R&D culture fosters an innovative spirit to kindle the young minds at the campus under the able guidance and mentorship of motivated faculty members at all the departments. The support provided by our Chairman, Principal, Mentor, Deans, Heads of Departments, Professors, and Senior Faculty Members in the process of promoting research, and filing patents is greatly acknowledged.

Dr. AIT, Bangalore is committed to creating a high-quality research ambiance in every department of the Institute for the faculty and students.

Dr. AIT aims to provide a research environment that will promote a culture of high-quality research, which is ethical, competent, accountable, and safe. This policy document on Research & Development activities at Dr.AIT addresses specific aspects of conducting Research & Development activities within the college in compliance with the Visvesvaraya Technological University (VTU) regulations on Research.

AIM:

- To implement a strategic plan aiming to develop research activities at the Institute that is recognized by peers as world-leading, contributing to major advances in knowledge.
- Achieving this aim relies on creating a shared culture that values people and provides leadership within a congenial working environment built on collaboration, communication, and coordination.

FUNCTIONS:

- To promote and accelerate the quality of research work within the college and in collaboration with industry, other institutes, and R & D organizations.
- To create an environment within the College to build a research culture and to ensure an efficient and effective support system to facilitate faculty and researchers in their research activities.
- Ensure publications in SCI/SCIE/ICI/Scopus/Web of Science indexed journals with high impact factor.
- Individual Citation Score needs to be improved by publishing in reputed journals.
- To foster an environment of undertaking socially relevant research with a prospective commercialization value.
- Catering to the specific needs of the Industry for Product/Process development.
- Establish Research Centres of Excellence within the Institution
- To motivate the faculty to write the research projects thereby enhancing the research funding from Govt agencies and industries.

- Providing linkages with different sponsoring agencies for the development of R & D programmes in the emerging areas of engineering and Technology.
- To carry out rural-oriented research under AICTE, Unnat Bharat Abhiyan Program
- Encourage partnerships nationally and globally through interdisciplinary collaborations.
- To Ensure quality, integrity, and ethics in research.

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

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

Response: 4.18

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

2021-22	2020-21	2019-20	2018-19	2017-18
2.38	0.38	6.97	10.68	0.50

File Description	Document
Minutes of the relevant bodies of the Institution	View Document
List of teachers receiving grant and details of grant received	View Document
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View Document
Any additional information	View Document

3.1.3 Percentage of teachers awarded national / international fellowship for advanced studies/research during the last five years

Response: 0

3.1.3.1 The number of teachers awarded national / international fellowship for advanced studies / research year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

File Description	Document
List of teachers and their international fellowship details	View Document
e-copies of the award letters of the teachers	View Document

3.2 Resource Mobilization for Research**3.2.1 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:** 281.48**3.2.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
21.5	46.87	68.28	29.135	115.695

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by government and non-government	View Document
Any additional information	View Document

3.2.2 Percentage of teachers having research projects during the last five years**Response:** 4.16**3.2.2.1 Number of teachers having research projects during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
14	15	11	05	07

File Description	Document
Names of teachers having research projects	View Document
Any additional information	View Document
Link for additional information	View Document

3.2.3 Percentage of teachers recognised as research guides

Response: 21.69

3.2.3.1 Number of teachers recognized as research guides

Response: 54

File Description	Document
Upload copies of the letter of the university recognizing faculty as research guides	View Document
Any additional information	View Document
Link for additional information	View Document

3.2.4 Average percentage of departments having Research projects funded by government and non-government agencies during the last five years

Response: 43.33

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

2021-22	2020-21	2019-20	2018-19	2017-18
5	8	7	5	2

3.2.4.2 Number of departments offering academic programmes

2021-22	2020-21	2019-20	2018-19	2017-18
13	13	12	12	12

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

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations, creation and transfer of knowledge supported by dedicated centers for research, entrepreneurship, community orientation, Incubation etc.

Response:

Ambedkar Centre for Tech Startup (ACTS) – The Startup Cell

The goal of ACTS – The Startup Cell is to stimulate the growth of tech startups in the institution. ACTS facilitates business growth by forging partnerships at the national and global levels. ACTS consists of Dr.AIT (Dr.Ambedkar Institute of Technology) faculty, alumni, and other individuals and partners from like-minded organizations to foster student entrepreneurship through incubation, ecosystem development, and academic initiatives.

The ACTS startup cell helps student entrepreneurs to convert their ideas in becoming successful and profitable ventures by supporting them in project development and implementation, business planning, mentoring, commercializing their technologies, getting early seed funding, advice on intellectual property, training, and development.

S.No	Faculty	Designation	Department
1	Dr. Prabha R.	Professor	CSE
2	Mr. Naveen Kumar M	Assistant Professor	CV
3	Dr.Ranjith V	Assistant Professor	ME
4	Mr.Harsha R	Assistant Professor	ECE
5	Ms.Arptha Raju B.	Assistant Professor	EEE
6	Dr.RajeshwariP.	Assistant Professor	IEM
7	Ms.Hamsa Rekha S. D.	Assistant Professor	EIE
8	Ms.Asha K N.	Associate Professor	CSE
9	Dr.Shruthi P. C.	Assistant Professor	ETE
10	Dr.Shilpa Biradar	Assistant Professor	ISE
11	Ms.Nayana R Shenoy	Assistant Professor	MLE
12	Dr.Dharani N. V.	Assistant Professor	MCA
13	Dr.Leela M. H.	Assistant Professor	MBA

Roles and Responsibilities of Institution Startup Coordinator

- Promotion and Communicate materials on Startup Cell and facilities to students and faculty.
- Call for Quarterly meetings of all the department Startup coordinators. Maintain documentation of the proceedings like meeting photos, Minutes of Meetings, and Meeting videos have to be uploaded to YouTube and the link has to be shared with competent authorities and any other proof.
- Keep a track of the Startup Activities / Progress of all the departments.
- Encourage Department Startup Coordinators to organize seminars, webinars, workshops, and other academic activities related to Startups, Incubation, entrepreneurship and IPR.
- Organize Hackathons, Innovation contests, Ideation, and Exhibitions at regular intervals.
- Provide details to NISP/MoE/AICTE/IQAC about Startup activities in the institution.
- Setup an Expert Pool for Advisory Services on Innovation & Start-up
- Establish Networks: Network of Start-up Cell, Mentors Network, Network with Incubators and Research Parks, Venture capitals, and Regional, State and National Angel Investors.
- Organize Inter department Sessions and encourage student Start-up teams and program coordination teams with interdisciplinary, and representatives from diverse departments
- Leverage Govt. Schemes and Programs
- Organize, host and participate in Network events and Linkage programs
- Encourage students and faculty to pursue Skill development Training programs related to IPRs, Business Modeling, Venture development and others.
- Motivate students to realize their dreams starting from ideation to implementation.
- Help students through different phases of Incubation / Startups like procurement, set up committees and others.
- Organize webinars, seminars, workshops and other academic activities related to Startups, Incubation, Entrepreneurship and IPRs.
- Organize Motivation Talks from Alumni Entrepreneurs and Industry Leaders.
- Sign MoUs with Industries and Research Centers.
- Arrange exposure visit programs to Incubation Centers, Research Parks, Software Technology and Innovation Park, SME Clusters, SME Centers, Innovation Societies, Fab Labs, Hackers Space, Tinker Labs, Exhibitions, Market, Society etc.
- Apply for Government schemes and other funding agencies.

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

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

Response: 182

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

2021-22	2020-21	2019-20	2018-19	2017-18
17	90	23	28	24

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

3.4 Research Publications and Awards

3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee	
Response: A. All of the above	
File Description	Document
Any additional information	View Document
Link for additional information	View Document

3.4.2 Number of Ph.D's registered per teacher (as per the data given w.r.t recognized Ph.D guides/supervisors provided at 3.2.3 metric) during the last five years	
Response: 2.75	
3.4.2.1 How many Ph.Ds are registered within last 5 years	
Response: 121	
3.4.2.2 Number of teachers recognized as guides during the last five years	
Response: 44	
File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
URL to the research page on HEI web site	View Document

3.4.3 Number of research papers per teachers in the Journals notified on UGC website during the last five years	
Response: 1.5	

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

2021-22	2020-21	2019-20	2018-19	2017-18
50	80	90	80	75

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

3.4.4 Number of books and chapters in edited volumes / books published per teacher during the last five years

Response: 0.26

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

2021-22	2020-21	2019-20	2018-19	2017-18
22	08	12	09	13

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

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

Response: 3.29

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

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

index of the Institution**Response: 12**

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

3.5 Consultancy**3.5.1 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).****Response: 13.24****3.5.1.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).**

2021-22	2020-21	2019-20	2018-19	2017-18
4.77	1.06	3.31	0	4.10

File Description	Document
List of consultants and revenue generated by them	View Document
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View Document
Any additional information	View Document

3.5.2 Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs).**Response: 103.08****3.5.2.1 Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0	2.02	38.62	54.91	7.53

File Description	Document
List of facilities and staff available for undertaking consultancy	View Document
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View Document

3.6 Extension Activities

3.6.1 Extension activities are carried out in the neighbourhood community, sensitising students to social issues, for their holistic development, and impact thereof during the last five years

Response:

The college encourages the faculty and students to initiate, participate and implement the programmes which contribute to societal awareness of various issues. Below are the few activities initiated and conducted regularly by the college students and staff members:

- Organizing regular blood donation camps.
- Tree Plantation
- Aids Awareness programme
- Clean Energy
- Rain Water Harvesting
- Health (Eye testing)
- Computer Awareness etc

The students are encouraged and supported to organize/ participate in events where students have scope for working with others. Under this platform, students foster their talent in a variety of disciplines like a host of cultural activities including dramatics, singing, dancing, quiz, debates, music and more. Students participate in various inter-collegiate competitions, showcase their talent and consistently win awards.

Every year college hosts SANSKRITI, an inter-collegiate fest, and the event regularly receives the participation of over 5000 students from across Karnataka. The event attracts several leading corporations as sponsors and was greatly appreciated by the participants.

NSS is active in the college and many programs have been organized under this platform. The programmes organized include Shramdan for campus cleaning, blood donation camps, Eye check-up camps, HIV and social Awareness programmes, tree plantation, Personality development etc.

The involvement of students in these extension activities through the organization of/participation in extra-curricular activities has helped students to develop their organizational skills, leadership qualities, understanding and inculcation of societal responsibilities, taking up projects of societal concerns, ethical behavior etc.

The college has a separate book bank in its central library funded by the government of Karnataka.

· Number of programmes have been organized to address the training needs of employed/unemployed/skilled/unskilled persons through TEQIP I, TEQIP II and TEQIP III

Outreach activities conducted for community development by the college include training programmes on wiring, PCB design, Plumbing, maintenance of equipment, computer awareness programme, foundry, Mason's Training, AUTOCAD, welding, etc.

The college encourages students to participate in NSS/Extra- Curricular/Co-Curricular activities. There are different Technical clubs/associations/chapters of students coordinated by the faculty in every department. The involvement of the students in social activities is monitored by the heads of the departments through these clubs.

The college is recognized with a good ranking in rankings announced by different agencies. The college is a recognized institute for World Bank funding in TEQIP III due to its best performance in TEQIP phase 1 and phase 2.

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

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

Response: 4

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

2021-22	2020-21	2019-20	2018-19	2017-18
0	02	01	01	0

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

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

Response: 48

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

2021-22	2020-21	2019-20	2018-19	2017-18
15	03	06	12	12

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
Any additional information	View Document

3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years**Response:** 11.79**3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
713	158	122	650	920

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

3.7 Collaboration**3.7.1 Number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work****Response:** 14.8**3.7.1.1 Total number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work**

2021-22	2020-21	2019-20	2018-19	2017-18
0	7	15	40	12

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document
Any additional information	View Document

3.7.2 Number of functional MoUs with institutions of national, international importance, other institutions, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 27

3.7.2.1 Number of functional MoUs with institutions of national, international importance, other Institutions, industries, corporate houses etc. year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
09	10	02	04	02

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other Institutions etc during the last five years	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 Institute was established in 1980 with three departments and the institute offers 13 UG, 07 PG and 15 Ph.D. Programmes up to June 2022. Two more UG programs are added during Academic Year 2022-23. Since then the adequate availability of physical infrastructure was duly identified and has been planned and constructed accordingly.

The Institute has a total land area of 20.3 Acres of which about 54462 sq.m has been constructed with robust structures for various academic purposes including accommodation facilities for students (hostels). Apart from this 106 Classrooms for UG & PG programmes that include, 07 air-conditioned seminar halls, an Auditorium, faculty rooms, wide corridor space, good natural lighting and ventilation and an open-air auditorium with 1000 capacity are available.

For the adequate availability of physical infrastructure and to ensure its optimal utilization following steps are followed by the institution:

- Head of the institution takes the responsibility of identifying the adequate requirements.
- Head of the departments and faculty members plan the requirements at the departmental level and submits them to the Head of the institution
- Head of the institution with reference to the budget position, puts forward to the finance committee, which in turn recommends to the Board of Management for the approval
- Respective Head of the department and Principal ensures the approved infrastructural development

Every department is provided with built-up areas as per the requirements of AICTE in the form of classrooms, laboratories, tutorial and seminar rooms, staff rooms, a HOD Room, a departmental office and a library. Cabins for HOD, Professors, Associate Professors and Assistant Professors are available with intercom, internet, and computing facilities. In addition to this, there are central facilities in the form of a library, computing facility, canteen, sports (Playground, Gymnasium and track) facilities, and auditorium. Apart from this, areas in form of hostels and mess cater to the need of students. The campus also provides appropriate parking facilities for two-wheeler and four-wheeler vehicles.

Centralized Power backup Facilities are provided throughout the college with 240 KVA generators.

The Institute has sufficient water facilities from RO water purifiers. The Institute has buses for the transport of the students, faculty, and staff. A smart campus facility for end-to-end campus computerization to achieve greater operational excellence has been initiated. The smart campus facilities comprising modules such as admission management, administrative staff services management, Examination, Library management, etc., and Wi-Fi facilities are available on the campus.

The Institute Management and Administration is of opinion that for effective teaching and learning, adequate and comprehensive infrastructure and effective learning resources are required. With this view, the Institute administration prepares a plan for the creation and enhancement of infrastructure as well as upgrading and updating learning resources at periodic intervals. A few of the recent initiatives are:

- Established smart classrooms with modern aids, internet connectivity, and LCD projectors.
- Enhancement of internet connectivity from 1 Gbps to 1.5 Gbps for students and faculty
- Well-equipped laboratories to give practical exposure to students in all departments.
- Construction of a new building (Silver Jubilee Block) housing two departments namely, Civil Engineering and Mechanical Engineering including Seminar Halls, etc.
- Construction of additional classrooms in D- Block and A-Block of the main building etc.

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

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

Response:

Cultural Activities: The college has an auditorium with good acoustics and lighting facilities a modern state-of-the-art sound system, with a seating capacity of 650.

Recreational facilities in hostel/s like gymnasium, yoga center, etc.:

There is provision for indoor sports facilities such as a fully equipped gymnasium, Table tennis, carom, and badminton court are provided. There are additional outdoor sports facilities for cricket, football, volleyball, basketball, and running track.

There are leading hospitals are situated within 100 meters of the campus Viz. Fortis hospital and GM hospital provide ambulance services if required. In addition the Govt. run ambulances service is available on call to 108. The college has entered into MOU with Panacea hospital so as to get medical support for any emergency cases related to students, staff, and faculty members.

The college has independent indoor and outdoor sports facilities and our students are regularly using them for their various sports activities. A qualified Physical Education Director (PED) is looking after the various sports activities.

Outdoor facilities:

- 200Mtrs. Athletic Ground
- Cricket ground (60 Yards)
- Throw Ball
- Foot Ball
- Basket Ball court
- Volley Ball
- Kabbadi
- Kho-Kho Court

Indoor facilities:

- Gymnasium
- Shuttle Badminton
- Carom
- Table tennis

Facilities: Facilities like T.A. and D.A. and Entry fee for players of the College team players to participate in any tournaments in India is extended by the college. Tracksuits are provided to those players who achieved medals in University, Inter-University, National, and International level competitions.

USAGES.

A good number of Students are using the sports facilities in our college like the Athletic ground, Cricket ground, Foot Ball ground, Basket Ball, volley Ball, Throw Ball and also indoor games whenever they are free.

File Description	Document
Upload any additional information	View Document
Geotagged pictures	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: 79.55

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 70

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

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

Response: 7.41

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

2021-22	2020-21	2019-20	2018-19	2017-18
31.05	22.58	196.54	1.49	12.31

File Description	Document
Upload Details of Expenditure , excluding salary during the last five years	View Document
Upload audited utilization statements	View Document
Upload any additional information	View Document
Link for 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:

Libsoft is a library software, which uses online support and RFID integration is done with this library software. Using this software we can save time in issuing and returning books and other materials from the library without library staff intervention. We will get reports of each and every student's log-in and log-out from the library issue, reference and digital library section. It is also possible to generate the report's unique titles, department-wise titles and day-to-day transactions. RFID software is integrated with libsoft for avoiding theft and thus secure books and it also can be used in finding the availability of required books by the faculty and students in the library easily.

The faculty and students database is available and can be accessed easily by the books available in their account. Multi-user packages with databases loaded in the server can be shared with individual nodes.

Automatic tracking of books for new orders, arrived, remainders etc. Web Opac is a web-based application. It will work on Intranet and internet services. It is also possible to search the current material within the campus and outside the campus. Stock verification can also be done easily through this software.

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

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

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Details of subscriptions like e-journals, e-books , e-ShodhSindhu, Shodhganga Membership etc	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: 38.48

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)

2021-22	2020-21	2019-20	2018-19	2017-18
0.10	42.09	66.08	81.18	2.95

File Description	Document
Details of annual expenditure for purchase of and subscription to journals/e-journals during the last five years	View Document

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

Response: 0.78

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

Response: 36

File Description	Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure

4.3.1 Institution has an IT policy covering wi-fi, cyber security, etc., and allocated budget for updating its IT facilities

Response:

The College has a comprehensive IT policy to address standards on IT Service Management, Information Security, and Networks and allocated a budget for updating its IT facilities. The institution is regularly upgrading its infrastructure covering Wi-Fi, cyber security, software upgradation, ICT enabled teaching-learning. The policies are applicable to Employees, Students and Visitors. Institutes have framed various policies like Procurement, Installation of Hardware, Networks and software. The violations of IT policy result in disciplinary action against the offender by institution authorities.

The institution provides the annual budget for the upgradation of IT facilities and changes in the system as follows:

Earlier the campus was enabled with an internet bandwidth of 1 GBPS but now it is upgraded to 1.50Gbps.

The number of Wi-Fi routers also increased with high configuration and Wi-Fi network facilities were deployed across the campus & hostels. Students and faculty members get maximum benefits from accessing the internet to do their projects and research work.

The Institute has a total of 1600 Personal Computers across the campus with i5 and i7 processors.

Institutes installed CCTV across the campus covering all areas of the college and also in the Boy's and girls' hostels for providing better security.

Security, Risk Management and Software Asset Management

- Name of the Internet provider: **Power grid Corporation of India (GoI)**
- Available bandwidth: **1.5 GBPS**
- Wi-Fi availability: **24*7**
- Internet access in labs, classrooms, library and offices of all Departments: **Yes available**
- Security arrangements: **Sophos Firewall**
- **Dedicated Data Center with all facilities**

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:** 3.87

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:** 750 MBPS

File Description	Document
Upload any additional information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.4 Institution has the following Facilities for e-content development

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

Response: D. 1 of the above

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

4.4 Maintenance of Campus Infrastructure

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

Response: 92.38**4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
348.66	451.62	812.24	520.98	558.51

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic facilities	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 College has a well-defined policy and system for the maintenance and utilization of all its physical and academic facilities.

Classroom management:

The classroom being the primary and important workspace, it is managed with proper systems and procedures as recommended by the Management and the University. It is followed keeping in mind the modern teaching-learning environment. The classrooms are well equipped with all modern technology like smart boards, mike systems, and other technologies for better and effective teaching. CCTVs installed in each classroom to make sure of the safety and security of all students, teachers and equipment. Stock list of assets of Classroom property, cleaning and maintenance are done on a regular basis, Annual Maintenance Contract (AMC) of all the modern teaching technology, and proper reporting system about repairs and replacements are the basic attributes of classroom management. As the College has basic Science departments, the Laboratory policy forms the core of the working of the institution. While the Laboratory has several instruments and equipment, the same is maintained through AMCs.

1. Locations of laboratory safety showers and fire extinguishers help to assure protective measures to minimize the casualties.
2. General Instructions to students regarding safe and secure usage while in the laboratory are displayed in each lab.

Library:

The library of the college has its own mechanisms and system in place to identify the purchases based on the courses offered, and check on the facilities to be provided for the students and the staff. Generally, the norms confirm to the institutional policies and the policies of the parent body. Yearly statistics for the utilization of library resources help in the collection development policy of the library. Withdrawal of books and other reading material which is not useful for current references is done on a regular basis.

Based on the student's feedback, the following corrective actions have been taken.

- The number of general and competitive books has increased.
- Seating capacity has also been increased.
- Library working time and library hours have been increased for extended use by students after regular working hours.
- RFID-based book issue is implemented.

Sports:

The sports committee looks after maintaining the sports ground and sports equipment. The committee organizes various indoor and outdoor sports competitions for students at intra and intercollegiate levels. For holistic development, students are encouraged to participate in competitions. A separate sports area has been allotted for conducting other field events like shot-put, discus throw, javelin throw, handball and kho-kho.

Gymnasium:

- For the gym, treadmills, and equipment for powerlifting, are made available

Hostel:

The Institution has a separate hostel for boys and girls. There are three numbers of hostels for boys and one hostel for girls on the college campus.

- Ensures food quality in the boy's and girl's hostel.
- A separate TV room is made available for all students.

Mess:

- The menu is decided and changes are made when necessary in discussion with the Warden and student representatives and Staff members.
- Faculty members are deputed during lunch hours to boy's and girl's hostels to check the quality of food preparation.

IQAC defines policy related to workshops/seminars/conferences for faculties and students.

Computers:

Computers Maintenance (Hardware and Software), updating software related to the administrative and overall maintenance of campus infrastructure. Annual maintenance contracts for computers, copier machines, software, CCTV, Fire extinguisher, garden, and security are in place. The policy is developed to

maintain a balanced student and computer ratio so that all students will be benefited for academic purposes.

An external housekeeping service looks after cleanliness on the campus. The website is maintained and updated with the help of the MCA department.

The well-defined purchase policy developed by the Management Purchase Committee looks after all the purchases in the college. The institution follows all safety and security norms as required for an educational institution and makes optimal use of all security mechanisms.

The safety of girls is specially handled and appropriate measures are taken to make the campus safe for students.

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: 50.53

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

2021-22	2020-21	2019-20	2018-19	2017-18
1886	1995	2367	2375	2418

File Description	Document
upload self attested letter with the list of students sanctioned scholarships	View Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document

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

Response: 46.56

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

2021-22	2020-21	2019-20	2018-19	2017-18
486	2314	2436	2453	2493

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	View Document
Institutional data in prescribed format	View Document

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

Response: A. All of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Link to Institutional website	View Document

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

Response: 84.96

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

2021-22	2020-21	2019-20	2018-19	2017-18
4362	4454	4392	4343	1071

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

4. Timely redressal of the grievances through appropriate committees**Response:** B. 3 of the above

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

5.2 Student Progression**5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 57.59**5.2.1.1 Number of outgoing students placed year - wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
625	618	520	516	391

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

5.2.2 Percentage of student progression to higher education (previous graduating batch).**Response:** 11.92**5.2.2.1 Number of outgoing student progressing to higher education.****Response:** 116

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document
Any additional information	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: 31.06

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

2021-22	2020-21	2019-20	2018-19	2017-18
04	13	06	01	0

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

2021-22	2020-21	2019-20	2018-19	2017-18
28	13	18	13	09

File Description	Document
Upload supporting data for student/alumni	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Any additional information	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: 22

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

2021-22	2020-21	2019-20	2018-19	2017-18
14	02	03	02	01

File Description	Document
Number of awards/medals for outstanding performance in sports/ cultural activities at inter-university / state / national / international level during the last five years	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

Dr. Ambedkar Institute of Technology has given equal opportunities to be representatives of major statutory and non-statutory committees as per the regulations of statutory bodies such as AICTE, UGC, NAAC, VTU, GoK, etc. The Institute envisions an active Students' Council that would play a structural and integral role in all academic bodies and committees of the Institute like the Board of Governors, Academic Council, IQAC, Board of Studies, Electoral Literacy Committee, etc., by effecting an interface between academia and the administration for the larger benefit of the community.

The Institute & departments have student technical clubs & Cultural teams which provide them to participate in various academic & cultural activities. Students are also given opportunities to be involved in social and community activities development through NSS like Blood donation camps, health camps, Swatch Bharat Abhiyan, etc.

The students provide feedback on the teaching-learning process as well as various facilities on the campus such as the canteen, hostel facilities and transportation system.

Annual College cultural events such as Kalarava, Maitri, Samskruti, Ethnic day, and Women's Day are being regularly conducted which help the students in showcasing their talents. These activities are conducted by students along with guidance from faculty members, which helps them in developing organizational and leadership qualities.

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

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

Response: 11

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

2021-22	2020-21	2019-20	2018-19	2017-18
16	2	13	15	9

File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Number of sports and cultural events / competitions organised per year	View Document

5.4 Alumni Engagement

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

Response:

The Alumni Association has been contributing significantly to the development of the institution through financial and non-financial means during the last five years.

Dr. Ambedkar Institute of Technology believes in maintaining a strong relationship and association with the alumni. The institution is working with the alumni to improve the placement and establish career guidance for the students. The Alumni are contributing to the institution in different ways:

- Book donation:** Every passed-out student of the institution is donating books to the department library.
- Alumni Interaction:** Some of the Dr. AIT Alumni are invited to give the guest lectures and each department of the institution includes one Alumni in their BOS committee to get the information of what is required in the curriculum.

c. Entrepreneurship Awareness: Alumni of Dr. AIT who have established start-ups are invited to share their experience in the development of entrepreneurs in the younger generation of the institution. They enlighten the students with their success stories and challenges faced.

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

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

Response: E. <2 Lakhs

File Description	Document
Any additional information	View Document
Link for 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 an effective leadership in tune with the vision and mission of the Institution

Response:

The governance of the college matches the Vision and mission of the Institute as mentioned below:

Vision Statement

To create Dynamic, Resourceful, Adept and Innovative Technical professionals to meet global challenges.

Mission Statement

To offer state-of-the-art undergraduate, postgraduate and doctoral programmes in the fields of Engineering, Technology and Management.

To generate new knowledge by engaging faculty and students in research, development and innovation.

To provide a strong theoretical foundation to the students, supported by extensive practical training to meet industry requirements.

To instil moral and ethical values with social and professional commitment.

GOALS AND OBJECTIVES

- To achieve academic excellence.
- To compete them at national and international level in all areas of life.
- To develop leadership qualities.
- To develop the round personalities of the students.
- To provide orientation to students toward research.
- To promote the faculty towards quality research and examination

Institution Strategic Goals:

1. Ensuring good governance

2. Establishing an effective teaching-learning process

- 3. Developing leadership and participative management**
- 4. Developing financial management**
- 5. Put emphasis on Institute – Industry interaction**
- 6. Development of entrepreneurship**
- 7. Encouraging research and innovation work**
- 8. Establishing Internal Quality Assurance System**
- 9. Ensuring student's development and participation**
- 10. Ensuring staff development & welfare**
- 11. Increasing internal revenue generation**
- 12. Increasing Alumni Interaction**
- 13. Engagement in Community Services and Extension Activities**
- 14. Developing physical infrastructure**
- 15. Getting accreditations from statutory bodies**

The administration of the institution is overseen by the Governing Body (GB). The GB approves the Strategic Plan, the Vision & Mission, Short Term and Long Term goals and the Budget based on the Strategic Plan. The implementation of the vision and plan is executed with the support and involving all the major stakeholders. The GB ensures that all decisions on the matters such as Admission quality, new programmes, infrastructure, Teaching Learning Process and Placements etc., are taken, based on the fundamental concerns of the Institutions.

The GB constituted as per the provisions of the UGC and VTU Statutes on Autonomous Institutes consists of independent representatives from Government, UGC, AICTE, and VTU & Industry. In addition, there are two faculty members included as Members of GB. The Principal is responsible for the implementation of the Strategic Plan and reporting to the GB & the GB periodically reviews the implementation of the strategic plan in tandem with its vision and mission.

The GB has in place several Committees/Sub-Committees in addition to statutory and other committees to continuously monitor the academic and administrative activities of the Institution. Adhering to the core principles of Good Governance, the Institution has various academic and administrative committees in place to ensure smooth functioning and efficient governance. The prime objective of these committees is the effective utilization of human resources, infrastructure and other facilities and to instill transparency and accountability in the process of administration. The constitution of these committees is based on a top-down and bottom-up approach to provide effectiveness. The committees comprise of key stakeholders including government, administrators, faculty, staff, industry, employer, alumni and students.

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

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

Response:

The administration of Dr. A I T is overseen by the Governing Body, which normally meets two times a year. The Governing Body has in place several Committees/Sub-Committees in addition to statutory and other committees to continuously monitor the academic and administrative activities of the Institution. Adhering to the core principles of Good Governance, the Institution has various academic and administrative committees in place to ensure smooth functioning and efficient governance. The prime objective of these committees is an effective utilization of human resources, infrastructure and other facilities and to instill transparency and accountability in the process of administration.

The Constitution of these committees is based on a top-down and bottom-up approach to provide effectiveness. The committees comprise key stakeholders including government, administrators, faculty, staff, industry, employer, alumni and current students. The diversity in the composition of committees helps in making pragmatic decisions.

The committees are classified into Statutory Committees, Sub Committees of Governing Body, Standing Committee of BoG of TEQIP-III, Institution level Committees and Department level Committees.

Apart from the statutory committee, the Institute has the following sub-committees to monitor the day-to-day and time-based activities as listed below.

Sl. No.	Name of the Committees
1.	Grievance Redressal Committee (GRC)
2.	Examination Committee (EC)
3.	Admission Committee (ADC)
4.	Library Committee (LC)
5.	Student Welfare Committee (SWC)
6.	Extra-Curricular Activities Committee (ECAC)
7.	Academic Audit Committee (AAC)
8.	Monitoring Committee (MC)
9.	Board of Appointments (BOA)
10.	Standing Committee of BoG – TEQIP-II (SBOG)
11.	Hostel Committee (HC)
12.	Alumni Executive Committee (AEC)
13.	Feedback Counseling Committee (FCC)
14.	Research and Development Cell (RDC)
15.	Industry-Institute-Interaction Cell (IIIC)
16.	Purchase Committee (PC)
17.	Building & Civil Works Committee (BCWC)

18.	Anti-Sexual Harassment Committee (ASHC)
19.	Anti-Ragging Committee (ARC)
20.	Career Guidance and Placement Cell (CGPC)
21.	Feedback Implementation Committee (FIC)
22.	Employees Association (EA)
23.	Board of Examiners (BOE)
24.	Departmental Procurement Committee (DPC)
25.	Central Mentoring-Cum-Counseling Committee (CMCC)
26.	Committee On Women's Security, Welfare & Grievance Redressal (CWSWGR)
27.	International Relational Cell (IRC)
28.	Internal Quality Assurance Cell (IQAC)
29.	Institute Innovation Cell (IIC)
30.	Committee for Code of Conduct (CCC)
31.	Students Counseling Cell (SCC)
32.	Ambedkar Centre for Tech Startup (ACTS)
33.	Electoral Literacy Club (ELC)
34.	Electrical Works & Fire Safety Committee (EWFSC)
35.	Computer Maintenance Technical Committee (CMTC)

- The institution completely adheres to the guidelines for implementing of Academic Autonomy of VTU. The institution ensures transparency and quality by regular monitoring through internal committees & External bodies consisting of eminent experts.
- The scheme, syllabus, rules and regulations pertaining to teaching learning and evaluation, grading system along with an academic calendar of events are made available in digital & print form to the students. The Academic Calendar, Examination manual, and Academic Rules & Regulations are also made available on the Institute Website (www.drait.edu.in).
- Providing as much information as possible to students, faculty, the general public and potential employers on all aspects of institutional activity related to academic performance, finance and management including the mandatory disclosures on the institution's website.

File Description	Document
Any additional information	View Document
Link for strategic plan and deployment documents on the website	View Document
Link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The Institute's commitment to its vision and mission is reflected by value-based conduct and behaviors of faculty, staff, and students in all areas of performance. Values serve as the guiding philosophy in all walks

of Institution life. Following Core values have been imbibed by the Institution in all the activities:

Core values are fundamental and universal in nature that acts as the invisible force guiding thought processes, conduct, and behavior of faculty, staff, and students. They are Trusteeship, Integrity, Excellence, Equality, Respect, Sustainability, Innovation, Workplace Values, Accountability, Transparency, Discipline, Perseverance, Competency, Empathy, Teamwork, and Conservation.

The Strategic Plan seeks to leverage the strengths that Dr. AIT has developed to build upon them and acquire or develop new strengths. In particular, the Strategic Plan outlines steps to increase the quality of teaching student-centric learning, based on outcomes and quantity of research output through an increase in research intensity, faculty strength, student enrolment, infrastructure, activity/project-based learning, and engagement with industry & international collaborations. The Strategic Plan envisages quality of delivery, sponsored research, consultancy levels, and a focus on the life cycle management of intellectual property.

In the technology-enabled world, the Strategic goals of the Institution are dynamically revised. In the coming ten years, the following major Strategic goals as short-term, medium-term, and long-term plans are envisaged. The Strategic Goals are academic excellence, research and innovation, collaborations, globalization, capacity building, self-reliance, governance and integration, infrastructure, holistic development, sustainability, service, and branding & communication.

Technical education has been the driving force in supporting industrial growth, creating healthy economic status, generating employment opportunities, Eradicating poverty, and the all-around development of society.

Dr. AIT has set its vision mission with the aim of generating technically sound manpower, which will provide necessary technical support at both the national and international levels. It is envisaged that there will be growing challenges to technical education in the coming years because of global competition, technological advances, new markets, etc. It is believed that this strategic plan document will play a major role in fulfilling our common goal and in helping to shape the future of the country.

Being a technical institute, the major responsibility is to play a vital role in the upliftment of the quality of life of all sections of society of the region. Therefore, Dr. AIT has set its mission to provide cutting-edge technology by committing itself directly as well as indirectly to the needs of society.

File Description	Document
Any additional information	View Document
Link for Strategic Plan and deployment documents on the website	View Document
Link for additional information	View Document

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

Response:

The organization structure has been effectively designed and reflected to show hierarchical relationships among all our stakeholders as well as departments. This structure and hierarchy mechanism have been perfectly customized to review the various functions of the administration.

The GB has in place several Committees/Sub-Committees in addition to statutory and other committees to continuously monitor the academic and administrative activities of the Institution. Adhering to the core principles of Good Governance, the Institution has various academic and administrative committees in place to ensure smooth functioning and efficient governance. The prime objective of these committees is the effective utilization of human resources, infrastructure and other facilities and to instill transparency and accountability in the process of administration. The constitution of these committees is based on a top-down and bottom-up approach to provide effectiveness. The committees comprise of key stakeholders including government, administrators, faculty, staff, industry, employer, alumni and students.

The institution completely adheres to the guidelines for implementing of Academic Autonomy of VTU. The institution ensures transparency and quality by regular monitoring through internal committees & External bodies consisting of eminent experts.

The scheme, syllabus, rules and regulations pertaining to teaching learning and evaluation, grading system along with an academic calendar of events are made available in digital & print form to the students. The Academic Calendar, Examination manual, and Academic Rules & Regulations are also made available on the Institute Website (www.drait.edu.in).

Providing as much information as possible to students, faculty, the general public and potential employers on all aspects of institutional activity related to academic performance, finance and management including the mandatory disclosures on the institution's website.

Board of Appointments (BoA) and Services Rules: The staff selection for the vacancies is conducted by the Board of Appointments constituted as per the guidelines from UGC & VTU. The nominees of the University, management, subject experts, HODs and Principal are the members of the BoA.

Being Grant in Aid Institute, the college strictly follows the Karnataka state Civil Service Rules (KCSR), policies and procedures for recruitment, admission of students etc.

Eg: For Service Manual - Department of Personnel and Administrative Reforms, Government of Karnataka, 1985 Karnataka Civil Services (General Recruitment) Rules 1977. Karnataka Civil Services Rules 2010.

Promotional policies are as per the norms of AICTE for faculty members and as per the State Government norms for all technical and administrative staff.

Academic & Administrative Committees: The institution has in place several committees in addition to statutory committees to continuously monitor academic and administrative activities. The committees comprise key stakeholders.

File Description	Document
Any additional information	View Document
Link to Organogram of the Institution webpage	View Document
Link for additional information	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
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff and avenues for career development/ progression

Response:

The Institution has welfare mechanisms in place for both teaching and non-teaching staff. The various welfare schemes are:

Service benefits like contributory PF, ESI, Gratuity, Study leave, Maternity leave, Casual leave, Special Casual leave, Compensatory off and Earned Leave employees.

Scale of pay as per AICTE norms to teaching staff and State scale for non-teaching.

Group insurance for both teaching and non-teaching employees.

Jobs on compassionate grounds to family members of the non-teaching staff. ESI facility and festival advance are being provided to teaching and non-teaching staff

Salary Increments based on Performance appraisal for both teaching & non-teaching staff.

Encouragement is given for research and development activities. A fee concession is given to faculty members who have registered for their Ph.D. from the college research center.

- Many e-resources such as IEEE (Pop), Elsevier, Springer, Nature e- journals, Emerald e-journals, etc are given access to the faculty through the library.

Financial support to participate in national and international conferences to present research papers. Faculty are encouraged to update themselves by taking part in MOOC (NPTEL, Swayam, Coursera, google certification) courses for which financial assistance is provided in the form of reimbursement of registration fees.

- Faculty development programs (FDP), workshops and guest lectures are organized on a regular basis.
- Vacations at the end of every semester are given to teaching staff and earned leave is given to non-teaching staff.
- Wi-Fi facility is made available in the entire campus and hostel.
- In case of any medical emergency, a vehicle is kept reserved on the college campus to reach the nearest medical facility.
- Common room facility for female staff members and girl students.
- The walking track is available in faculty quarters and in hostels. Electric vehicle for transit around campus.

File Description	Document
Any additional information	View Document

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

Response: 19.81

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

2021-22	2020-21	2019-20	2018-19	2017-18
0	26	136	67	21

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

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

Response: 16.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
14	16	17	32	02

File Description	Document
Reports of Academic Staff College or similar centers	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for additional information	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).**Response:** 94.87**6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
218	240	245	250	232

File Description	Document
IQAC report summary	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for 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 conducts internal and external financial audits periodically and has its own mechanism to conduct audits. The annual budget of the department is prepared by the respective HODs and submitted to the Principal for approval. The Principal consolidates and prepares the institutional budget and submits the same for approval to the Governing Body. The Finance Officer verifies and compares actual and budgeted income and expenditures. Corrective measures are suggested by Finance Officer for incorporation. Transparency is maintained in both internal and external audits. Chartered Accountant conducts regular financial audits and certifies their annual financial statements.

Accounts are maintained on the TALLY ERP system, transparency is maintained in receipts and payments. Annual auditing is carried out by the statutory auditors appointed for the same. The audit department & Audit Team works under the direct control and supervision of the Finance Officer and Internal Auditor of the Trust.

Internal Audit: internal audit is conducted monthly by an internal auditor appointed by the Management who checks each bill and payment voucher of all accounts. They submit an audited statement of income and expenditure to the management for consideration and approval.

The audit is conducted in accordance with auditing standards generally accepted in India. Audit includes the following:

1. Checks for compliance with policies, laws, and regulations
2. Comparing previous financial statements to the present ones
3. Reviewing reliability and integrity of financial and operating information and the means used to identify, measure, classify, and report such information.
 - Noting of provisions applicable
 - Evaluation of Internal control system, Verifications of student fee registers, etc
 - Authorization of fees concessions, controls and policies
4. Review the means of safeguarding assets and as appropriate, verify the existence of such assets.
 - Verification of cash book
 - Examining the bank passbook
 - Verifies the investments, and grants from other bodies
 - Verification of the total amount granted for various departments and various committees and its utilization
 - Admission record verifications
 - Checking of acknowledgment letters if any with regards to scholarship, etc
 - Scholarship Verification
5. Reviewing and appraising the economy and efficiency with which resources are employed.
 1. Examining the payments for maintenance and any other miscellaneous expenses

2. Certify the audit report

3. Filing the Income Tax returns regularly

External Audit: Duly audited reports are submitted to the external audit team. The External Audit Team regularly audits the college financial report. The external audit is carried out in an elaborate manner on a yearly basis. In case of any objections, the institution will deal with them promptly and take necessary corrective measures in a completely transparent manner.

Criteria for settlement of objections of External Audit:

- Examining the procedures and policies and regulations vouching.
- Verify the salary payment, TDS, Income Tax, EPF, ESI, Professional Tax, Gratuity, etc.
- Examining the property titles, approvals, and fee payments to regulatory bodies, Evaluating fee receipts, Certifying the audit report, and Filing the Income Tax returns regularly.

The finance committee is responsible for the observance of regulations relating to the maintenance of accounts of income and expenditure and considers any other matter referred by the Governing Body.

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

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

Response: 844.9

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

2021-22	2020-21	2019-20	2018-19	2017-18
4.92	88.37	398.57	316.72	36.32

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

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

Response:

Proper collection and utilization of financial resources are planned at the beginning of every financial year. The budget details are collected before the start of every academic year. The utilization of the current year's expenses and the budget for the next year is approved by the Governing Body.

Research proposals are prepared and sent to different funding agencies like Vision Group on Science and Technology (VGST), All India Council for Technical Education (AICTE), University Grants Commission (UGC), Department of Science & Technology (DST), Visvesvaraya Technological University (VTU), DRDO, ISRO, Karnataka State Council for Science and Technology (KSCST), etc.

The grant received from such organizations is used in procuring special equipment needed for research activities thereby strengthening the infrastructural facilities in the laboratories.

Different financial sources available are:

- The fee collected from students is the major resource for the institution.
- Funding from different funding agencies such as VTU, AICTE, VGST, KSCST, Institute of Engineers and other R&D centers.
- The management is spending the budgeted amount to develop the required infrastructural facilities such as buildings for various departments, administrative blocks, laboratory equipment, Boys and girls hostel buildings, library building, canteen, auditorium, staff quarters, and exam section buildings. These buildings are constructed by the management of their own sources of funds.

Dr. Ambedkar Institute of Technology is an Aided Institution by the Government of Karnataka and is also a self-financed institution. The institution gets 85% grants towards the salary of Aided Faculty & Staff members. The remaining 15% of the salary is contributed by the Management. Also, the Institution is dependent on the fee collected from students for its routine recurring expenses such as the salary of Un-Aided teaching and non-teaching staff members, maintenance of building and equipment and other facilities. All efforts are taken in improving student admissions to the institution so as to mobilize the required financial resources.

The institution helps and supports the students in getting scholarships from various governmental and non-governmental agencies such as SC/ST Scholarship, OBC Scholarship, PMSSS, Minority Scholarships, etc.

To encourage the poor, needy and meritorious students to pursue their engineering studies, fee concessions have been given by management for a few students.

The management has appointed qualified internal auditors and experienced staff to monitor the effective and efficient use of financial resources and also to ensure that finances allocated to different facilities/activities in the institution are being used properly.

Faculty members are reimbursed the amount spent attending national and International

Conferences, Workshops, Seminars, Faculty development programmes and registration to membership of

professional bodies. All staff welfare schemes are implemented as per the HR policies of the institution.

Similarly, financial support is sought from external sources (Government bodies, private sponsors & alumni members) for the conduction of theme-based conferences, cultural fests, tech fests, hackathons, workshops and seminars.

All observations/objections of the Chartered Accountant are communicated through their report. These objections are examined by the Finance Committee. The Finance Committee then submits its final report to the Governing Body.

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

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes visible in terms of – Incremental improvements made for the preceding five years with regard to quality (in case of first cycle) Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives (second and subsequent cycles)

Response:

Internal Quality Assurance Cell (IQAC) is established at Dr. Ambedkar Institute of Technology in 2016 and is promoting measures for Institutional functioning towards quality enhancement by developing a system for consistent improvement in the overall performance of the Institute.

The major roles of the **IQAC** are:

- Achieve compliance relating to the standards of Technical Education which are defined from time to time by supervisory authorities like AICTE, UGC, VTU, etc.
- Development of the strategies to achieve better ranking in NIRF and ARIIA and Institution has achieved 163 ranks in NIRF during 2019, 200-300 band during 2020 & 2021, Band-Performer in ARIIA 2021
- Development of the strategies for the process of accreditation conducted by the National Board of Accreditation (NBA) and National Assessment and Accreditation Council (NAAC) etc.
- Expansion of academic programs as per the directions of Governing Body (GB)
- Inform Principal on new development in Technology, Teaching-Learning Processes, new programs
- Development of a strategic plan for the Institution
- Self-appraisal system for teaching staff which includes their achievements, feedback, Academic, R&D, publications, etc.
- Significant Contribution towards improving curriculum enrichment, academic excellence, teaching and learning process, evaluation methods and research atmosphere in the institution

Apart from these two more practices adopted by IQAC are:

1. Academic Audits

The academic audit provides an opportunity for a regular strategic overview of the teaching-learning process. The audit is conducted at the faculty level and department level and at institute level.

The first level of Academic audit is conducted for faculty members of all departments by the Internal Academic Audit Committee constituted by the Dean (Academic) comprising Senior faculty members of various departments. The second level of Academic Audit is conducted for all the departments & administrative Sections by all the Deans and Internal IQAC members.

The third level of Academic Audit is conducted by External expert members to review the Institute.

2. IQAC Lecture Series

It was resolved in the College Council (CC) meeting to conduct the IQAC lecturer series for all faculty members on the last Friday of every month from 3:30 PM onwards from April 2021 onwards. In view of this six lecture series were organized during April, May, June, July, August, & October 2022 by the Principal, all Deans & IQAC Coordinators respectively.

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

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:

The Internal Quality Assurance Cell (IQAC) is established as per the guidelines from UGC to maintain and enhance the quality of education. The prime goal of the IQAC is to develop a system for consistent and catalytic improvement in the performance of the institution.

Revised Blooms Taxonomy (RBT) was initiated by IQAC in the academic year 2016-2017. Faculty are given awareness of pedagogical teaching-learning methods, RBT, and Outcome Based Education (OBE) through various workshops and faculty development programs conducted in the department and Institute. Training in RBT is conducted to help the teachers to prepare the question papers, and upgrade their evaluation and assessment skills of the teacher.

CIE-1 will be covering Course Outcomes (CO) 1 & 2, CIE-2 will be covering CO3 & 4 and CIE-3 & AATs take care of CO5. The question papers will indicate COs & knowledge levels for each question and sub-question. The question paper scrutiny committee under the guidance of the Board of Examiners(BOE)

checks the standard of the question papers of CIE and will ensure that the questions are covering and reflecting the COs and RBT levels. The BOE scrutinizes both internal and external question papers of the Semester End Examinations. The BOE consists of members from other autonomous and reputed engineering colleges. The BOE meetings will be held under the supervision of Department HoDs to maintain the integrity and secrecy of the question papers. The IQAC conducts the academic audit with the help of senior faculty members trained in the academic audit process.

The Academic Audit involves the following quality checks:

1. Monitoring of classes as per the personal timetable of the teacher, and the class timetable and reporting the discrepancies, if any, to the higher authorities.
2. Verification of section-wise student attendance registers and teacher's diaries.
3. Monitoring attendance of students and verification of attendance every two weeks.
4. Verification of Counselling records and counseling details after every internal examination – To check whether the marks & attendance have been updated in the attendance registers. Also, to check whether counseling has been done during that period.
5. Verification of lab attendance register-To check whether the marks are being allotted according to the lab evaluation process.
6. Bluebook verification with the scheme of evaluations. To check whether the evaluation is done systematically and marks have been allotted properly, according to the scheme of evaluations.

Programme Assessment Committee Review

Programme Assessment Committee (PAC) review is essential to understand the attainment levels of the students in terms of knowledge and skill component. The attainment of COs and POs is calculated based on the guidelines defined by IQAC, which contains both Direct and Indirect Assessment Methods. The attainment levels of COs and POs are compared with target values and analyzed for their attainment. The scope for further improvement will be based on the attainment level achieved and based on the feedback of the faculty and students by the Programme Assessment Committee (PAC). The recommendations of PAC are considered for the curriculum revision and to improve teaching-learning methodologies. The attainments of all the COs and POs of UG and PG programmes are audited by IQAC.

Outcome Based Education (OBE) is an initiative by IQAC to reform the teaching and learning process in the institution. To inculcate self-learning capabilities, IQAC encourages online certification courses such as NPTEL/Swayam, Coursera, etc.

Industry Participation Enhancement of industry interaction in teaching-learning is essential to improve the outcomes of the students and to enhance the knowledge and skill of the faculty. The Industry Institute Interaction cell was established to have better interaction between industry and academia.

1. Arranging industrial visits for all the department students.
2. An advisory board is functioning under the chairmanship of the Principal which is identifying the

opportunities for student project work in Industries.

3. Encouraging the department level tie-ups or MoUs with Industries for mutual benefit.

4. To conduct relevant R&D activities with the involvement of students and the faculty

Internships:

Industry internship for the students has been made mandatory. UG and PG students undergo internships in reputed industries related to their field of study. Many students from IT branches are selected for internships with stipends. Internships are helpful in better understanding the courses learned, exposure to the working environment at industries, identifying & carrying out projects, and solving real-time problems.

Curriculum Design:

As per IQAC guidelines, the curriculum is designed by taking feedback from the industry, alumni, employers, parents, faculty, and students. The Academic Council, Board of Studies and Department Advisory Boards have the participation of experts from the industry, and have helped in revising the curriculum to industrial requirements.

Teaching and Learning by Industry experts:

IQAC encourages the departments to involve industry personnel in the partial delivery of the courses, Faculty Development Programmes, Workshops, Seminars and Technical Talks.

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

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 initiatives with other institution(s)**
- 3.Participation in NIRF**
- 4.Any other quality audit recognized by state, national or international agencies (ISO Certification)**

Response: 3 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Paste web link of Annual reports of Institution	View Document
Link for additional information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

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

Response:

Dr. Ambedkar Institute of Technology continuously works for Equal opportunities, inclusivity, and strong ethical work culture irrespective of caste, religion, gender, language, political, or other status. Its unique work culture, healthy traditions and ethos have led to the enrolment of the employees as per the roster. Safety, security and well-being, along with gender equity and a friendly working atmosphere are the issues of prime concern to Dr.AIT. Gender sensitivity is an integral value in the cultural philosophy of the institution. The following measures have been taken to promote gender equality

- Safety and Security
- Counseling
- Separate Common rooms for Boys & Girls
- Anti-Ragging committee
- Anti-Sexual Harassment committee
- Women Empowerment programs
- Awareness campaigns on women's safety and gender
- Counseling circulars
- Committee Circulars
- Mandatory Health and awareness course for all first-year students (1 credit) from 2021-22
- Separate hostels are provided for girls.
- The college campus is under surveillance with CCTV cameras and round-the-clock security
- Sufficient lighting is provided in the campus during nights
- Grievance Redressal Committee

Safety and Security: The safety and security of the girl students at the campus have initiated many fool-proof measures. The campus is under CCTV surveillance. The hostels are fenced and gated properly. The sanitary napkin incinerators as well as sanitary napkin vending machines are installed for the health and hygiene of the girls. Ladies' common room facilities are made available. Further, the inward and outward movement of outsiders is recorded and monitored by professional security personnel at the institute's main gate. Apart from this, students are mandated to wear their ID cards and are monitored by the full-time vigilant security personnel guarding the gates. A medical emergency vehicle is available on campus to take the students to the nearby hospital. The Anti-ragging committee and flying squads monitor to ensure that the campus and hostels are ragging-free. The Girls Hostel is under the constant vigil of Lady Wardens and women faculty members. The anti-sexual Harassment Committee is formed to make sure that registering the complaint is hassle-free.

Keeping in mind the problems faced by the girls at the workplace, Self defense training programmes such as martial arts are organized for women and martial arts is offered as an open elective course for girl students. The state-level trainers and coaches are invited for training the students in martial arts.

Counseling: The mentors hold several interactions with the students during curricular and co-curricular activities of the college. The mentors conduct joint sessions with students and parents whenever it is

necessary. The issues addressed are maladjustment, academic performance, anxiety, peer pressure, relationship handling, absenteeism, malpractice, low self-esteem, emotional instability etc. Students who attended the counseling sessions felt comfortable and emotionally secure at the end of the session. The Committee on Women's Security, Welfare & Grievance Redressal (CWSWGR) celebrates Women's day every year and presents success stories of famous women to inspire the girl students. Common rooms for girls and boys are provided on the college premises.

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

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

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:

Dr. Ambedkar Institute of Technology took several initiatives to protect the environment, health and well-being through the implementation of maintaining the eco-friendly environment through effective waste management practices in and around the campus. Waste collected is segregated at the source using bins

with appropriate labeling. Waste collecting bins are placed at appropriate locations in each block of Dr.AIT and then it is handed over to the BBMP waste collection agency for further processing. Institute does not generate biomedical waste, or other hazardous chemical or radioactive waste. The NSS program organizes awareness among the students, staff, and faculty members periodically. Institute's housekeeping staff and gardeners are helping in the segregation of waste and maintaining greenery on the campus. The E-waste collection bin has been placed separately on campus and periodically local e-waste collecting agency will collect the same for further proper process.

The Institute has adopted the following Green practices:

- Usage of Energy Efficient LED Fittings
- Usage of Energy Efficient BEE STAR Rated equipment
- Installation of **4000 LPD** Solar Thermal Water Heating System
- Segregation of Waste at source
- Provision of Bio composting Unit for Organic Waste Management
- Good internal Roads within the campus
- Tree Plantation on the campus
- Provision of Ramp for Divyangajan
- Provision of Sanitary Waste Incinerator for disposal of Sanitary Waste
- Creation of awareness by Display of posters on Resource Conservation
- Encouragement for Usage of E Vehicles

As part of best practices, the Institution conducts Green, Energy and environmental auditing by external agencies.

File Description	Document
Geotagged photographs of the facilities	View Document
Any other relevant information	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 additional 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: A. Any 4 or All of the above

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

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

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

Response: A. Any 4 or all of the above

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

7.1.7 The Institution has disabled-friendly, barrier free environment

- 1.Built environment with ramps/lifts for easy access to classrooms.**
- 2.Divyangjan friendly washrooms**
- 3.Signage including tactile path, lights, display boards and signposts**
- 4.Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**

5.Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**Response:** B. 3 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
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:**

Dr. Ambedkar Institute of Technology is proactively involved in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities by celebrating many Events and Festivals at the institution to bring tolerance and harmony among the students and staff and the stakeholders. The institution celebrates Independence Day, Constitution Day, Gandhi Jayanti, Dr. B R Ambedkar Jayathi, Dr. B R Ambdkar Parinirvana day, Anti Ragging, Republic Day, Independence Day, Ganesh Festival, International Yoga Day, NSS Day, Sports Day, Gandhi Jayanti, International Women's Day, Maitri,

- Dr. AIT is dedicated to providing higher education for SC, ST and women students along with all other students. Some of the activities are designated towards empowering a holistic environment for student improvement.
- Awareness about Eco-Friendly Ganesha Festival was organized on the 8th and 11th of September 2018, and Awareness about Eco-Friendly Diwali was organized on the 5th of November 2018 by the NSS unit of Dr. AIT.
- A campaign on National Unity was organized by the NSS unit of Dr. AIT
- An awareness programme was organized by the NSS unit of Dr. AIT on 22nd March 2019 about World Water Day.
- The employability Skill Test for 93% of SC/ST students and 99% of female students was conducted in 2018-19.
- The institution has constituted Grievance Appeal Committee (GAC) for students, faculty and staff members.
- Organized Health and Wellness programme for women by inviting an experienced Doctor.
- Awareness campaigns on women's safety and gender
- Anti-Ragging and Anti-Sexual Harassment committees are in place.
- The youth for Eco-Development programme was organized on 6th March 2020 during which the importance of youth in eco-development was highlighted.
- A Tree Plantation Programme was organized for 4 days from **14th to 18th of August 2019** by the NSS unit of Dr. Ambedkar Institute of Technology.
- Sadbhavana Diwas is observed every year on 20th August. Sadbhavana Diwas also reminds us

Indians to maintain love, peace and communal harmony among all religions.

- An awareness programme about the harmful effects of smoking and Drug addiction was organized under the NSS unit on 13th September 2019 to spread awareness about the ill effects of Drugs and smoking within Dr. Ambedkar Institute of Technology campus.
- National Service Scheme (NSS) unit organized “Conscious-Planet: Save Soil” program on 18th May 2022 with the collaboration of Isha Foundation at JPN Auditorium.
- The Institution takes pride in launching the Plantation Programme to develop them as better citizens of the country.
- An awareness programme on **Campus to Community Camp at Kanakpura** to enhance students admission in government schools was organised under “**SCHOOL BELL**” along with the NSS unit Dr. AIT during 20th -22nd of September 2019.
- A campus cleaning programme as a part of the induction programme for first-semester students was organised under the NSS unit on 18th august 2019. A clean campus programme under the NSS unit was organized on 23rd March 2019.

These kinds of programmes promote tolerance and harmony in society.

File Description	Document
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:

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

Dr. Ambedkar Institute of Technology has introduced a compulsory course on the Constitution of India and professional Ethics across all engineering disciplines to create awareness and sensitize the students.

- The Constitution of India is taught to the students to enable them to gain an insight into the constitution and the basic structure of the Indian Constitution, the fundamental rights and the functions of the judiciary in upholding the Indian Constitution
- Professional ethics is taught to the students to enlighten the students on the duties and basic responsibilities of engineers towards society and their employers.
- Every year January, 26th Republic day is Celebrated by highlighting the importance of the Indian Constitution and organizing activities like Parade, cultural events, and skits on Patriotism, like Quit India.

- Similarly, constitution day is celebrated on the 26th of November every year, all the students and staff will read the Preamble of the Constitution of India
- Independence day is also celebrated on 15th August every year to highlight the struggle for freedom and the importance of the Indian constitution
- **Voter's awareness (4th, 13th April 2019):** An voter's awareness programme was organized by the NSS unit, Dr.AIT on 4th and 13th April 2019. During this event, staff and students of Dr.AIT involve themselves in creating voter awareness inside the campus and a campaign was conducted in nearby areas of Dr.AIT as a part of this event.
- Anti-terrorism day was conducted on 21 May 2022 for the purpose of pledging and spreading the message of peace, humanity, unity, and harmony among the students and staff
- Awareness about Road safety measures by Traffic Police Department was organized
- National Unity Day is organized on 31st October every year on the occasion of Sardar Vallabhbhai Patel's birthday.. National Unity Day was celebrated at Dr. AIT . NSS coordinators and NSS volunteers displayed placards and banners highlighting the importance of national unity day.

India is a country of Unity in diversity with different backgrounds viz., cultural, social, economic, linguistic, and ethnic diversities governed and uniformly guided by the Constitution of India irrespective of caste, religion, race sex.

Dr. AIT sensitizes the students and the employees of the institution to the constitutional obligations of values, rights, duties, and responsibilities of citizens which enables them to conduct themselves as responsible citizen. The students are inspired by participating in various programs on culture, traditions, values, duties, and responsibilities by inviting prominent people. The institution conducts awareness programs on the voter's rights and responsibilities, ban on plastics, cleanliness, Swachh Bharat, etc. involving students. The purpose of the awareness programs was to equip students with the knowledge, skill, and values that are necessary for sustaining the proper balance between a livelihood and life by providing an effective, supportive, safe, accessible, and affordable learning environment. A Code of conduct is prepared for students and staff and everyone should obey the conduct rules. The Institution establishes policies that reflect core values. These elements are inculcated in the value system of the institution community.

File Description	Document
• 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:

Institution Celebrates/organizes National and International Commemorative days, events and festivals :

Institution conducting the following National and International Commemorative days, events and festivals for the last 5 years periodically.

The following activities are conducted by Dr. AIT:

- Eye Check-Up Camp
- Awareness about Eco-Friendly Ganesha Festival
- Awareness about Junk food and Drugs Addiction
- Kodagu Special Camp
- Blood Donation Camps
- National Unity Day
- Awareness about Eco-Friendly Diwali
- Parking Discipline
- NSS Camp at Antharasanthe, HD Kote
- World Water Day
- Dr. Ambedkar Institute of Technology Clean Campus Initiative
- Health Checkup and Eye Checkup Camp at Dr. AIT Campus

- Voter's awareness
- Tree Plantation Programme for first-semester students
- Campus cleaning for first-semester students
- Awareness of the Eco-Friendly Ganesha Festival
- Awareness about the harmful effects of Smoking and Drugs Addiction
- Campus to Community Camp at Kanakpura
- Youth for Eco-Development
- Sadbhavana Diwas
- Constitution Day
- **Conscious-Planet Save Soil**
- Observance of Anti-Terrorism Day
- Sanskruti
- Independence Day Celebration
- Kannada Kalarava
- Dr. Ambedkar Jayanthi and National Techno Exhibition
- Maitri – Fresher's Day
- National Yoga Day
- Swatch Bharath Abhiyan at B R Hills
- Constitution Day
- Environmental Day
- Blood Donation Camp
- International Yoga Day
- Fund Collection for Kodagu flood Relief

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

7.2 Best Practices

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

Response:

Practice I

Title of the Practice: GREEN CAMPUS

Objective:

Green campus initiatives should be an integral part of the education system and promote these principles within society through students. Our Institute has initiated the green campus program in order to support a sustainable and climate-friendly environment. The main objectives for these initiatives were creating awareness about sustainable energy, energy-efficient measures, recycling, composting and green landscaping in and around the campus.

The Context:

The main aim of the Green campus program is to promote the awareness about sustainability of materials, reuse, Tree plantation to reduce carbon footprint, water management, etc., to our future generations. But the main challenge is the proper translation of education for sustainable development into practice so that it can be more effective. Any new development should consider and maintain the proper balance of economic, social, and environmental conditions and the participation of all the staff members and students is very important. Institute has implemented this program through the organization of seminars, and campaigns for students and staff. Students are encouraged to do projects related to environmental sustainability, water purification, water management, etc. More stress is being given to the proper infrastructure development so as to continue and maintain green practices.

The Practice:

Institute has promoted many activities to protect the environment and sustain its natural resources. Institute is smoke-free and also reduced the usage of plastic inside the campus. The library has an e-journal to reduce paper usage. Also, in the area of water conservation, rainwater harvesting practices have been initiated. The stored water is used later during fire drills, washing, and gardening purpose. Institute has addressed its waste disposal problem by vermicomposting. The solid wastes generated from the canteen and hostels are used in vermicomposting pits to generate compost which is used in the institute for

gardening purposes. The e-waste generated in the college is managed by an external local company for further processing. The college has installed solar water heaters on the roofs for energy conservation. Institute has also installed LED/CFL bulbs in the classrooms, seminar rooms, and examination rooms of the main campus and other buildings. About 20+ plant species including medicinal plants are there on the campus.

Institute organized seminars and campaigns on environmental-related issues. Green, Environmental Audit assessments have been conducted on the campus (2019-21). Eco-friendly Ganesha festival and Pollution free Diwali campaigns are conducted in the Institute. The NSS unit organizes regular campus cleaning campaigns and awareness programs on emerging issues for environmental education. Some minor research projects are also going on in various dept. on important environmental issues. A fire management system has been established in the Institute.

Evidence of Success:

The Institute has installed a 4000 LPD Solar Water Heating System. The Equivalent Electrical Energy generated by Solar System is 344448 kWh. The Annual Reduction in CO₂ Emissions due to Solar System is 310 MT. The organic waste, like Leafy Waste generated, is composted in a Bio Composting Unit and the compost is used for the garden on the premises. The Institute is installing Sewage Treatment Plant, to treat Liquid Waste. The treated water will be used for gardening purposes. Institute has well maintained Landscaped Lawn & Garden, Provision of Ramp for Divyangajan, a tree Plantation on the campus, provision of a Sanitary Waste Incinerator, Creation of awareness by Display of posters on Resource Conservation, encouragement of Usage of E Vehicles and well maintained Internal Roads. A registered auditor has conducted the Environmental, green audit on the campus for the last three years. Based on their assessment eco-friendly practices are encouraged on campus.

Practice II

Title of the Practice: Career Guidance, Training and Placement

Objective:

The objective of the placement cell is to mold the students to cope with the changing demands of the corporate world and place them in reputed companies based on the expected job profiles of each student.

Placement activities

The Placement and Training department monitors employment opportunities, cater to enhance the employability of students, and arranges on and off-campus interviews. Our campus training program starts right from the first semester. It's a policy of the placement department not to patronize companies bend on doing Education & Training activities to attract students in the name of recruitment against payment.

The placement department does not encourage the students, those who are placed through campus selection in a company to attend further campus interviews to provide a chance for other students to get placed. The students aspiring for higher studies are encouraged to undergo GATE/CAT/GRE/TOEFL exams.

Functioning of placement cell:

Dr. Ambedkar Institute of Technology (Dr. AIT) lays emphasis on the placement of the students by training and preparing the students to face real-life situations after graduation. An exclusive Career Guidance and Placement Cell under the guidance of an eminent Professor collects the data of the graduating students and maintains a comprehensive database for ready reference.

The Institute provides an environment for the comprehensive and harmonious development of the personality. Regular communicative English Program incorporated into the curriculum. Further, resource persons and professionals from the field of communication and interpersonal skills are invited to equip our students with the necessary soft skills required to face the interview in today's competitive world. Such training exposure enhances the student's employability. Goal setting Time Management and Prioritization are the key points that are implanted in young minds.

Some of the other functions of the department are:

- **Provides full-fledged training**

We provide 40hr intensive pre-placement training for final year students focusing on cracking all areas of interview such as aptitude, group discussion, HR interview, verbal, Resume building so on, and 20hr of training on specialized domains. In addition to this, we have introduced a long-term training program starting from the first year itself that is included in their regular academic routine.

- **Provide Internship opportunities for students**

We identify companies looking for interns and channel our students into getting internships. Some of the internships are converted to permanent jobs as well.

- **Arrange for an interactive seminar with top industrial pioneers**

This is to bridge the gap between students and company requirements. Students can get a better understanding of the industry and its function. They interact and put forward their questions and queries and get a deeper understanding of how they have to prepare themselves.

- **Invite major companies throughout the year for recruitment**

Every student is given a chance to contest as many companies as possible until he/she receives two offers. We invite some mass recruiters such as TCS, Wistron, Infosys, Accenture, Capgemini, Cognizant, Wipro, Amazon, Hashedin, etc to secure a place for a maximum number of students. After which the student can selectively interview for the dream company of his/her choice. In the past year, we have had companies offering packages starting from CTC 3lac/annum to 25lac/annum. We are expecting an increase in companies visiting this year as well.

- **Provide Guidance on Higher Studies opportunities for students**

We provide Guidance on Higher Studies which encourages them to choose reputed universities across India and Abroad for their Higher Education. And we also give information about the Government Sector opportunities like Civil Service Examinations, IBPS, SSC, RRB, and the Indian Navy. Etc.,

Activities from Career Guidance Cell:

Career Guidance Cell is a comprehensive, developmental program designed to assist students in making and implementing informed educational and occupational choices. Career guidance and counseling programs develop an individual's competencies in self-knowledge, educational and occupational exploration, and career planning.

Other Objectives:

- To create awareness among the students for their future profession.
- To provide guidance to the students on various options available in the courses of their study.
- To provide information to the students on the scope and relevance of any area irrespective of their field of interest.
- To provide guidance to develop positive attitude and behavior in order to meet challenges of life and to make it healthier.
- Resource persons from different fields deliver talks about career options to students and teachers and staff of the Institute through guidance and career counseling seminars and workshops.
- Activities of the student Welfare Cells include Career Guidance and Counseling. The faculty also participates in personal counseling.
- To help students chalk out academic roadmaps for themselves.
- To acquaint them with various career options through seminars.
- To address problems related to stress, anxiety, examination phobia, peer pressure, and adjustment to changing environment.

Benefits and Outcome

- Enhance and improve employable skills.
- The ability to communicate effectively with coworkers, employers, clients and customers, friends, and family members.
- The opportunity to enhance organizational skills.
- Improve Personal and professional effectiveness.
- Increased efficiency and leadership skills to improve team results.
- Gaining the ability to recognize symptoms of stress and learning management strategies.

The Placement statistics from 2016-17 to 2021-22 with respect to on-campus placement, off-campus placement, and students enrolled for higher studies are shown in the table below:

Year	Number of Students Placed On-campus	Number of Students Placed Off-campus	Number of Students Enrolled for Higher Studies	
2021-22	580	20	8	6
2020-21	467	18	03	4
2019-20	402	20	82	5
2018-19	455	21	86	5

2017-18	432	27	106	5
2016-17	503	03	30	5
File Description		Document		
Best practices in the Institutional web site		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:

Implementation of Exam Reforms and IT Integration at Dr. AIT

Examinations/Assessments play a very important role in deciding the quality of engineering education. It shall not only assess students performance but also measure whether the desired learning outcomes have been achieved. The achievement of Program Objectives and Program Outcomes is crucial and needs to be proven through accurate and reliable assessments.

The quality of the question papers in engineering education has been a matter of concern for a long time. It is widely acknowledged that “assessment drives learning”. The question papers shall contain questions, which require simple memory recall to questions of higher expectations. High expectations for learning motivate students to rise to the next level. The examination/ assessment at Dr. AIT incorporates the following features:

1. Adaptation of Outcome Based Education (OBE)

The curriculum at Dr. AIT is designed as per the requirement of OBE. The syllabus contains objectives and learning outcomes of all the courses so that the students will be made aware of the expectations during the assessment. The question papers for assessment are prepared based on the Course Outcomes appearing in the syllabus. The questions are set at different cognitive levels so that the students acquire the necessary skills and will become industry ready. The question paper contains Course Outcomes and Revised Bloom’s Taxonomy levels.

2. Higher Order Abilities and Professional Skills

The questions are set by both internal and external subject experts. The paper setters will be asked to set questions at L1, L2, and L3 levels for Continuous International Evaluation as well as Semester End Examination. Students are tested for still higher levels of the cognitive domain through Assignments and Group Activity components. Students carry out internships, minor projects, major projects, seminar presentations, and self-study to exhibit higher levels of RBT and inculcate professional skills.

3. Audit

Question papers, scheme, solutions and sample-valued answer scripts are audited by four professors two internal and two external. The consolidated outcome of the audit is communicated to the department. The same will be shared among all the faculty members by the Head of the Department so that recommendations of the audit committee is incorporated in the subsequent examinations by the faculty members.

4. IT Integration:

Dr. Ambedkar Institute of Technology has been continuously carrying out reforms in its examination procedure through the integration of IT in all the procedures and processes of the examination system. The reforms are made in respect of Continuous Internal Assessment procedures. Semester End Examination procedure has been automated using in-house IT software. The IT integration has modernized the entire examination process and has speeded up the functioning mechanism while making the whole process more transparent.

Continuous Internal Evaluation is conducted at respective departments. The B-forms are prepared at the examination section based on the room allotment. The software is developed to print the B-forms at the department for the smooth conduct of the CIA. CIA marks are submitted to the examination section by the faculty members from the department using IT infrastructure. CIA marks are published in the college website. It includes marks secured by the students, attendance status, NSA and NSC details.

Semester End Examination is conducted in a centralized manner. B-forms (Attendance sheet) and A-forms (subject-wise present and Absentees' statement) are generated. Semester End Examination answer scripts are scanned and converted to digital form by masking the identity of the student. Examiners evaluate the answer scripts on the computer and print the marks sheet. Question paper, scheme and solution are made available on the screen to ease the evaluation. Digital marking helps to maintain uniformity and accuracy in the evaluation of answer booklets. Examiners submit the marks and print the remuneration bill from the valuation desk. The Semester End Examination results are announced on the Institute website so that students download and check their results at their desks.

Printing of CIA results, admission tickets, SEE results, grade cards, and transcripts are computerized. The IT integration minimizes human errors and facilitates accurate and faster calculations of SGPA, CGPA and grades of students appearing in semester examinations.

Project dissertation reports of MBA/ MCA/ MTech (PG Programs) students are submitted online by the concerned guide or HoD. HoDs recommend four external examiners. Dissertation reports will be sent to the internal guide and one of the external examiners by the Dean (Examinations). Internal and External examiners evaluate the report and submit the marks and comments. After the submission of evaluation marks and comments by both examiners, viva-voce is conducted jointly by the examiners and marks are submitted to the examination section.

The examination fee, college annual fee and other fees are paid by the students online.

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

5. CONCLUSION

Additional Information :

The institution has received awards such as Band-Performer Rank in the ARIIA Ranking in the year 2021, QS I-Guage as Gold & NIRF Ranking 163 in the year 2019.

Dr.AIT enjoys a solid reputation among the student community, particularly those with a passion for engineering. The Institution has an active Industry Institute Interaction and Innovation Cell which interacts with a number of industries arranges various events to understand the requirements of the industries, provide skill development training and to promote entrepreneurship. The institution inculcates social consciousness among its students through active forums such as NSS & departmental forums. Regular interactive workshops, seminars and competitions are held by the institution which provides immense opportunity for the students to practice the principles of real-time application problems. The cultural festivals Kalarava, Maitri, Sankruti & departmental technical fest to prove their talents in Cultural activities.

Our students visit industries to upgrade their skills by doing summer internships & research projects, which will enhance their career prospects & opportunities for higher studies. The internship is mandatory for all students to understand the working culture in industries and organizations. Online classes are conducted during the pandemic period using various ICT facilities such as Google Classroom, Google meet, WebEx, Microsoft teams, smart boards and a Learning management system using Moodle.

During the pandemic period, food kits were distributed to the nearby villagers. Vaccination drives were arranged in the college for students & staff. Covid-19 test drives were also organized on campus.

Concluding Remarks :

The institute aimed at creating physically fit, mentally robust and professionally competent individuals, who are capable of assuming their rightful place as leaders in the industry. Ample importance is given to the curriculum aspects, in addition to various co-curricular activities. The institute has a mechanism in place to cater to the needs of students across the country. Due importance is given to the design, revision and effective delivery of curriculum in a most efficient manner. The Digital Evaluation system is designed to evaluate student performance at each stage of the program. Institute has a research and development cell with transparent policies to promote research and consultancy. Fifteen research centers are working in the institution where faculty members are encouraged to involve in sponsored research projects from the government or other funding agencies.

Infrastructure wise institute has all the required facilities for teaching and learning like, a library, computer lab, internet

facility etc. and also supports sports and other physical activities as is evident from the sports infrastructure of the institute. To promote professional technical and management education to various strata's of society, the institute offers various capability enhancement and development courses which reflect excellent placements, students taking up higher studies at national and international levels and students opting for entrepreneurship.

The able leadership of the institute is well in tune with the vision and mission of the institute and works in perfect harmony with transparency. The strategic plans are responsibly made keeping the benefit of stakeholders' interest at the center and outcomes are achieved in time bound manner as per the value system of the institute with the help of various dedicated committees.

The institution's societal commitment provides an opportunity for faculty members and students alike to render services to society. The institution today has succeeded in organizing various activities with regard to social responsibility. The institution promises to do every possible thing to quench its thirst to provide academic excellence and is preparing for implementing NEP 2020. The institute has all processes in place and the required infrastructure to excel and achieve its mission.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.2	<p>Percentage of Programmes where syllabus revision was carried out during the last five years.</p> <p>1.1.2.1. Number of all Programmes offered by the institution during the last five years. Answer before DVV Verification : 18 Answer after DVV Verification: 19</p> <p>1.1.2.2. How many Programmes were revised out of total number of Programmes offered during the last five years Answer before DVV Verification : 17 Answer after DVV Verification: 17</p> <p>Remark : Input edited as per the Programmes offered by the institution during the last five years.</p>																				
1.2.1	<p>Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</p> <p>1.2.1.1. How many new courses are introduced within the last five years Answer before DVV Verification : 516 Answer after DVV Verification: 516</p> <p>1.2.1.2. Number of courses offered by the institution across all programmes during the last five years. Answer before DVV Verification : 1637</p>																				
1.3.2	<p>Number of value-added courses for imparting transferable and life skills offered during last five years.</p> <p>1.3.2.1. How many new value-added courses are added within the last five years Answer before DVV Verification:</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>15</td><td>20</td><td>9</td><td>8</td><td>05</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>15</td><td>18</td><td>9</td><td>5</td><td>5</td></tr></table>	2021-22	2020-21	2019-20	2018-19	2017-18	15	20	9	8	05	2021-22	2020-21	2019-20	2018-19	2017-18	15	18	9	5	5
2021-22	2020-21	2019-20	2018-19	2017-18																	
15	20	9	8	05																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
15	18	9	5	5																	
1.3.3	<p>Average Percentage of students enrolled in the courses under 1.3.2 above.</p> <p>1.3.3.1. Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years Answer before DVV Verification:</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>4935</td><td>5231</td><td>4738</td><td>4815</td><td>499</td></tr></table>	2021-22	2020-21	2019-20	2018-19	2017-18	4935	5231	4738	4815	499										
2021-22	2020-21	2019-20	2018-19	2017-18																	
4935	5231	4738	4815	499																	

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
588	848	551	611	126

Remark : Input edited with reference to metric 1.3.2

- 1.4.2 **The feedback system of the Institution comprises of the following :**
- Answer before DVV Verification : A. Feedback collected, analysed and action taken and report made available on website
- Answer After DVV Verification: C. Feedback collected and analysed
- Remark : Input is edited from supporting documents.

2.1.1 **Average Enrolment percentage (Average of last five years)**

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
954	996	1010	1018	1073

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
954	993	1010	1024	1073

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1267	1321	1261	1315	1285

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
1177	1321	1179	1285	1285

Remark : Input edited from supporting documents.

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)**

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
99	94	90	85	80

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
97	94	90	85	80

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

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

Answer before DVV Verification : 3228

Answer after DVV Verification: 3195

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

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

Answer before DVV Verification : 1257

Answer after DVV Verification: 973

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

Answer before DVV Verification : 1291

Answer after DVV Verification: 1013

Remark : Input is edited with reference to metric 2.2

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
14.15	0	13.79	6.27	0

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
2.38	0.38	6.97	10.68	0.50

3.1.3 **Percentage of teachers awarded national / international fellowship for advanced studies/research during the last five years**

3.1.3.1. The number of teachers awarded national / international fellowship for advanced studies / research year wise during last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	1	1

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

3.2.2 Percentage of teachers having research projects during the last five years**3.2.2.1. Number of teachers having research projects during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
17	32	22	13	10

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
14	15	11	05	07

Remark : Input edited with reference to metric 3.2.1

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
249	186	187	165	110

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
50	80	90	80	75

Remark : Input edited as per the research papers per teachers in the Journals notified on UGC Care list , Scopus and Web Of Science.

3.4.4 Number of books and chapters in edited volumes / books published per teacher during the last

five years

3.4.4.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
5	25	7	23	27

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
22	08	12	09	13

Remark : Input edited from document provided for clarification.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
4.77	1.06	3.31	2.52	4.10

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
4.77	1.06	3.31	0	4.10

Remark : Revenue generated by testing services / for use of facilities of the institution will not be considered. Hence input edited.

3.5.2 Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs).

3.5.2.1. Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs)

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
4.59	9.17	7.39	32	9.4

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18

0	2.02	38.62	54.91	7.53
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Remark : Input edited from documents provided for clarification.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
43	35	24	11	4

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
0	02	01	01	0

Remark : Becoming board of examiner, attending of FDP etc will not be considered. Hence input edited accordingly.

3.7.1 Number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work

3.7.1.1. Total number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
973	7	15	40	12

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
0	7	15	40	12

Remark : Without collaboration letter claim will not be considered. Hence input edited accordingly.

3.7.2 Number of functional MoUs with institutions of national, international importance, other institutions, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)

3.7.2.1. Number of functional MoUs with institutions of national, international importance, other Institutions, industries, corporate houses etc. year wise during last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
15	04	01	02	05

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
09	10	02	04	02

Remark : Some MoUs are not in assessment period and also not signed by both parties. Hence input edited accordingly.

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)

4.1.3.1. Number of classrooms and seminar halls with ICT facilities

Answer before DVV Verification : 85

Answer after DVV Verification: 70

Remark : Input is edited from data template.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
32.57	64.67	509.63	410.85	91.14

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
31.05	22.58	196.54	1.49	12.31

Remark : Input edited from provided documents.

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)

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)

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18

43.92	36	44.78	16.88	18.71
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Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
0.10	42.09	66.08	81.18	2.95

Remark : Input edited from the documents provided for clarification.

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

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

Answer before DVV Verification : 296

Answer after DVV Verification: 36

Remark : As HEI provided the per day usage of only students, Hence the five day usage of library by students (foot falls and login data for online access) during the latest completed academic year is 36.2 . So input edited accordingly.

4.3.4 Institution has the following Facilities for e-content development

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

Answer before DVV Verification : B. 3 of the above

Answer After DVV Verification: D. 1 of the above

Remark : As HEI have only Lecture Capturing System(LCS). Hence input edited accordingly.

5.1.5 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

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

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: B. 3 of the above

Remark : Input edited from provided documents.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
625	618	520	516	502

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
625	618	520	516	391

Remark : Input edited from provided documents.

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.)**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**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
27	13	18	13	09

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
04	13	06	01	0

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
28	13	18	13	09

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
28	13	18	13	09

Remark : In absence of certificate, the claim will not be considered. Hence input edited accordingly.

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.

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
24	32	5	7	4

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
14	02	03	02	01

Remark : Input edited as per the e-copies of award letters provided for clarification.

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

Answer before DVV Verification : A. ? 15 Lakhs

Answer After DVV Verification: E. <2 Lakhs

Remark : Alumni list is not provided. Hence input edited accordingly.

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.

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
05	26	136	68	11

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
0	26	136	67	21

Remark : Input edited from provided documents.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
19.07	207.61	412.37	203.76	36.32

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
4.92	88.37	398.57	316.72	36.32

Remark : Input edited from provided documents.

- 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 initiatives with other institution(s)**
 - 3. Participation in NIRF**
 - 4. Any other quality audit recognized by state, national or international agencies (ISO Certification)**

Answer before DVV Verification : All of the above

Answer After DVV Verification: 3 of the above

Remark : Input edited from provided documents.

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

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

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

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

7.1.7 The Institution has disabled-friendly, barrier free environment

- 1. Built environment with ramps/lifts for easy access to classrooms.**
- 2. Divyangjan friendly washrooms**
- 3. Signage including tactile path, lights, display boards and signposts**
- 4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**

	<p>5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading</p> <p>Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: B. 3 of the above</p>
7.1.10	<p>The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.</p> <p>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</p> <p>Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. 3 of the above Remark : Input edited as per the supporting documents.</p>

2.Extended Profile Deviations

Extended Form Deviations

ID	Extended Questions																				
1.1	<p>Number of courses in all programs year-wise during last five years</p> <p>Answer before DVV Verification:</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>795</td><td>842</td><td>728</td><td>709</td><td>695</td></tr></table> <p>Answer After DVV Verification:</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>795</td><td>842</td><td>728</td><td>709</td><td>695</td></tr></table>	2021-22	2020-21	2019-20	2018-19	2017-18	795	842	728	709	695	2021-22	2020-21	2019-20	2018-19	2017-18	795	842	728	709	695
2021-22	2020-21	2019-20	2018-19	2017-18																	
795	842	728	709	695																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
795	842	728	709	695																	
1.2	<p>Number of full time teachers year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>249</td><td>245</td><td>252</td><td>259</td><td>244</td></tr></table> <p>Answer After DVV Verification:</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>249</td><td>245</td><td>252</td><td>259</td><td>244</td></tr></table>	2021-22	2020-21	2019-20	2018-19	2017-18	249	245	252	259	244	2021-22	2020-21	2019-20	2018-19	2017-18	249	245	252	259	244
2021-22	2020-21	2019-20	2018-19	2017-18																	
249	245	252	259	244																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
249	245	252	259	244																	
2.1	<p>Number of eligible applications received for admissions to all the programs year-wise during last five years</p> <p>Answer before DVV Verification:</p>																				

2021-22	2020-21	2019-20	2018-19	2017-18
954	996	1010	1018	1073

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
954	993	1010	1026	1073

2.3 Total number of classrooms and seminar halls

Answer before DVV Verification : 106

Answer after DVV Verification : 88

2.4 Total number of computers in the campus for academic purpose

Answer before DVV Verification : 1340

Answer after DVV Verification : 1128

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
381.22	516.29	1146.70	931.83	649.65

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
376.31	427.91	923.29	615.11	613.33