YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	**Visvesvaraya Technological University, Belagavi**
• Name of the Head of the institution	**Prof. S. Vidyashankar**
• Designation	**Vice Chancellor**
• Does the institution function from its own campus?	**Yes**
• Phone no./Alternate phone no.	**08312498221**
• Mobile no	**9844259968**
• Registered e-mail	**registrar@vtu.ac.in**
• Alternate e-mail address	**vtu.naac@vtu.ac.in**
• City/Town	**Belagavi**
• State/UT	**Karnataka**
• Pin Code	**590018**
2.Institutional status	
• University	**State**
• Type of Institution	**Co-education**
• Location	**Semi-Urban**
• Name of the IQAC Co-ordinator/Director	**Prof. S. L. Deshpande**
• Phone no./Alternate phone no	**(0831) – 2498100**

• Mobile	**9448428785**
• IQAC e-mail address	**vtu.naac@vtu.ac.in**
• Alternate Email address	**vtu.naac@gmail.com**

3.Website address (Web link of the AQAR (Previous Academic Year)	**NIL**
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	**https://vtu.ac.in/academic-calendar/**

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B+**	**2.73**	**2022**	**29/03/2022**	**28/03/2027**

6.Date of Establishment of IQAC	**28/04/2017**

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

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Visvesvaraya Technological University, Belagavi	**TEQIP 1.3**	**World Bank**	**April 2017 to March 2020**	**7.7 crore**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of IQAC	**View File**
9.No. of IQAC meetings held during the year	**01**
• The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report)	**Yes**
• (Please upload, minutes of meetings and action taken report)	**View File**
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**
• If yes, mention the amount	

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

Establish outcome based education in line with NEP 2020

Developed Quality Assessment Policy for Outcome attainment

Instrumental in starting the courses in thrust areas
Designed and Developed various policies for IT, Research, HR Development etc
Collection of valuable information through the stake holders to design new quality initiatives in teaching learning

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

Plan of Action	Achievements/Outcomes
Implementation of NEP 2020 for all the Programs offered by the University	The Programs offered from 2022-2023 are NEP ready Programs
Outcome assessment of each course	The new scheme is implemented, which can measure the outcomes using rubrics
Initiation of Incubation facility on campus	VTU i-NAC, an incubation facility is stated on the campus with Nine incumbents
Increasing the research publication and IPR	Substantial in terms of research articles and patents is achieved
Full time research scholars on campus	The University has full time research scholars
Conduction of student centric activities	Employability skills and skill upgradation programs have been increased by minimum of 30% in all its programs
Involvement in National Developmental initiatives in terms of setting up laboratories	University has established Atal Lab at Muddenahalli campus with AICTE
Involvement of e-learning in all its programs	Mandatoory credit courses are introduced in all the programs offered by the University

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

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

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

15. Whether institutional data submitted to AISHE

Year	Date of Submission
2023	03/02/2023

16. Multidisciplinary / interdisciplinary

The University has taken it as a Mandate that, the teachers as well as students are encouraged to take interdisciplinary courses. The teachers

of one department are allowed to train the student of the other department, if they have earned sufficient credits (20) from ABC for the courses of the new department.

As a part of National Education Policy 2020, University has integrated several courses which are essential for the current technology. Courses like Artificial Intelligence, Neural Network, Dicision Support System, Computer Aided Design are mandatory irrespective of the branch of engineering. Multidisciplinary and interdisciplinary capstone projects are also allowed within the institutes. The University has encouraged professors of other departments to teach the courses if they have met the AICTE Mandate for teaching a specific curriculum. The University also has started two undergraduate programs viz., Computer Science and Business Systems which integrates Computer Science, Engineering and Technology Management. The program on Robotics and Automation is also started covers Instrumentation, Electronics and Communication, Computer Science and Mechanical Engineering.

It is mandatory for the students to opt for minimum of three credits from the other programs in the form of Open Electives.

17.Academic bank of credits (ABC):

The University gets around 10000 students data verification requests per year. The applications received for verification are resolved on the same day. As a part of NAD, the companies and Government offices are accessing the data of students which has been uploaded by University.

As on 13.03.2023, 1158470 Degree Certificates have been Uploaded and 22605awards have been fetched.

VTU is having 209 affiliated Engineering Colleges and 25 Autonomous Engineering colleges. Around 2 to 3% of students opt for Change of college. An equivalence in the courses can be established using ABC.
Inter operability of credits between the Universities, Institutes of higher Learning, NPTL, etc., have also been taken into consideration while establishing equivalence from different HEIs.

The University has around 25% failure percentage throughout all its students including affiliated institutions. These slow learning students will also have an advantage of ABC, while shifting from one syllabus scheme to another flawlessly.

ABC facilitates dynamic adoption of credits based on the changing needs of UG Programs.

The University teachers are encouraged to earn at least 20 credits in a specific area of interest to teach for such different departments.

The Uploading of data to ABC is a continuous process.

18.Skill development:

Recognizing the importance of skill development, the university adopted practical oriented approach in its curriculum. Over 30-35 credits are offered for practical courses and projects. The curriculum designed, provides internships at various levels for UG and PG programs. Long Term internships helps the students to understand industrial/organizational requirements. Provision is made to undergo internship during the semester breaks. Total of 864 students have undergone the Internship during the academic year 2021-2022.

Various skill enhancement programs like special lecturers, hands on training sessions by experts from the Industry are being provided to the students. Apart from the internships, regular industrial visits are being organised. The i-NAC facility at campus has opened another avenue for internships. The students are also offered internships in some of the University Cells.

The University has established skill development centres at Dandeli and Talkal mainly to train the rural masses to enhance their skills in the areas of their interest and make them self sustainable. Through such initiatives, University is showing its social responsibility in increasing the rate of employability of youths.

The E-learning centre of the University takes care of organising lectures in thrust areas. These lectures will help to understand their course completely and meet the outcomes.

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

The University has introduced two courses in Kannada for the students of 1st year viz., Samskrutika Kannada and Balake Kannada as a part of introduction to regional language. The course Samskrutika Kannada is for the students who know kannada and Balake Kannada is for the students who do not know kannada. The syllabus of Samskrutika Kannada comprises of States rich culture, history and Life history and achievements of great personalities like Sir. M. Visvesvaraya and many more. Balake Kannada is aiming to teach Kannada Language to the students coming from different parts of the country.

University has established *PRASARARANGA* to promote kannada language. Through *Prasararanga* over 64 technical books have been published by the University. The books comprises of Two/Four Wheeler repairs, Drinking water, Electricity, Women Empowerment, Renewable Energy sources, Life story and achievements of personalities of Kanrnataka, Many more.

University is wishes to publish these of online platforms for the use of general public.

Further, VTU offers B.E. Program in Kannada. The curriculum for 1st year was developed and notified to colleges for offering the program in Mechanical and Civil Engineering in the first instance. However, due to lack of admissions, the program was discontinued.

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

University is practicing well structure syllabi-based teaching -learning as per OBE with the following points

1. Course is defined as a theory, practical or theory cum practical subject studied in a semester.

2. Course Outcome (CO) Course outcomes are written which are statements that describe significant and essential learning that learners have achieved, and can reliably demonstrate at the end of a course. Generally, three or more course outcomes are specified for each course based on its weightage.

3. Programme is defined as the specialization or discipline of a Degree. It is the interconnected arrangement of courses, co-curricular and extracurricular activities to accomplish predetermined objectives leading to the awarding of a degree.

4. Programme Outcomes (POs) Program outcomes are written which are narrower statements that describe what students are expected to be able to do by the time of graduation. POs are expected to be aligned closely with Graduate Attributes.

5. Program Educational Objectives (PEOs) The Programme Educational Objectives of a program are written which are the statements that describe the expected achievements of graduates in their career, and also in particular, what the graduates are expected to perform and achieve during the first few years after graduation.

6. Programme Specific Outcomes (PSO) Programme Specific Outcomes are written which state what the students should be able to do at the time of graduation with reference to a specific discipline. Usually there are two to four PSOs for a programme.

7. Graduate Attributes (GA): The graduate attributes, are written which are exemplars of the attributes expected of a graduate from an accredited programme.

Following is an example of co, PO and PSO

Name of the Program	Offering Department	Course Code	Intake	% of Revision of Curriculum
M.Tech- Water & Land Management	Civil Engineering	WLM	24	35%

POs approved for the Course

PO1: Analyze hydro meteorological data and components of hydrological cycle
PO2: Assess surface and groundwater resources
PO3: Plan water resources projects for meeting socio-economical and environmental needs
PO4: Design and manage water resources systems for optimal utilization
PO5: Manage land and water in the changing climate scenario
PO6: Analyze hydrologic extremes and adopt suitable management practices to minimize impacts
PO7: Work and lead in multi disciplinary environment and demonstrate professional and social ethics
PO8: Engage in critical thinking and pursue lifelong learning for professional advancement

Ex:

1. Course Code: 20WLM11

Course Name: OPTIMIZATION TECHNIQUES IN WATER & LAND RESOURCES

Course outcome

Sl. No.	Description
1.	Explain history & development of optimization concepts
1.	Formulate Linear and dynamic programming for real world problems
1.	Apply different optimization techniques available for obtaining solution for real world problems
1.	Find optimized solutions for transportation and assignment problems
1.	Apply optimization techniques for solving present problems related to water and land management

Mapping of COS and POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1								X
CO2				X	X	X	X	
CO3	X	X			X	X	X	
CO4					X	X	X	
CO5	X		X		X		X	

21. Distance education/online education:

AICTE does not permit the regular universities to start distance Education programs. However, we have started working on starting of new programs under distance education with the permission of AICTE. Necessary guidelines have been prepared in draft and will be finalised. The studio for conducting such programs is also established. After seeking the permission from AICTE, we will start the distance education programs at University.

VTU is having its own Institutional LMS through which the courses on thrust area have been recorded and made available to the students. During the Pendamic the classes were conducted online and CIE examinations were also conducted in online mode. The University encourages the students to take value added courses online through MOOCs, NTPL etc., Our teachers are participating in preparation of lectures in Institutional LMS, which will help the students of different affiliated colleges also. Various online lectures from the experts were organised to strengthen the skills of our faculty and students. All the class rooms and seminar halls are equipped with ICT facilities. The online recourses are being used by our faculty members to train the students taking references from various sources during their teaching.

Extended Profile

1. Programme

1.1 Number of programmes offered during the year:	22

File Description	Documents

Data Template	[View File](#)

1.2 Number of departments offering academic programmes	08

2.Student

2.1 Number of students during the year	2007

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

2.2 Number of outgoing / final year students during the year:	893

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

2.3 Number of students appeared in the University examination during the year	939

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

2.4 Number of revaluation applications during the year	306

3.Academic

3.1 Number of courses in all Programmes during the year	1130

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

3.2 Number of full time teachers during the year	138

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

3.3 Number of sanctioned posts during the year	168

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

4.Institution

4.1	214020

Number of eligible applications received for admissions to all the Programmes during the year	

File Description	Documents
Data Template	View File

4.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	1921

File Description	Documents
Data Template	View File

4.3 Total number of classrooms and seminar halls	65
4.4 Total number of computers in the campus for academic purpose	1050
4.5 Total expenditure excluding salary during the year (INR in lakhs)	13106.89

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

VTU focuses on providing excellent technical education to cater the needs of industry to provide technical man power with practical experience and sound theoretical knowledge.

The University has developed the curricula as per the National Education Policy – 2020, focusing on the Outcome Based Education to attain graduate attributes. The Boards of studies are having representation from Industry and academics. The attainment of COs are ascertained at regular intervals through continuous evaluation.

Karnataka is known for Information Technology, Aerospace, Construction Technology, Industrial Automation Engineering, Foundry Technology, Management consultancies etc. In this context, all the programmes are designed specifically to meet the needs of local, national, regional and global developmental needs.

Programmes

Relevance

VLSI Design and Embedded Systems

Global and National

Water and Land Management

National and Regional

Nanotechnology

Global, National

Aerospace Engineering

Global, National

Product Design and manufacturing

National, Regional and Local

Computer Science & Engineering

Global, National, Regional and Local

Master of Business Management

Global, National, Regional and Local

To enhance employability and entrepreneurial skill, internship and projects with industry are undertaken by the students for specified duration in each programme.

Also, the Entrepreneurship Development Cell and Placement Cell provides need based training to the students.

File Description	Documents
Upload relevant supporting document	**View File**

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

22

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

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

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

347

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

1.2 - Academic Flexibility

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

242

File Description	Documents
Upload the data template	**View File**

Upload relevant supporting document	**View File**

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

22

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

1.3 - Curriculum Enrichment

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

The university integrates cross cutting issues relevant to environment and sustainability, human values, professional ethics into the curriculum.

Water and Land Management program provides sustainable solution to the problems of water, soil and environment. Courses like surface water hydrology, design of hydraulic structures, optimization technique, groundwater hydrology aims to conserve and manage the resources in sustainable manner incorporating the gender aspects. Also, curriculum includes Prevention of pollution and conservation of environmental resources.

In management studies, the curriculum has topics on ethical management, Leadership, Retailing, Legal Consequences, Social responsibility of Marketing, CSR and sustainability, Sustainability through Ethical HRM, cross cultural values, diversity management, etc. Through this study, the students will get the insight of ethics, sustainability, social and environmental responsibility.

Research Methodology and IPR is the mandatory course for all the programmes. This course involves the fundamental ethical principles to research activities. Also it explains the art of interpretation, art of writing research reports, various forms of intellectual property, its relevance and business impacts in the changing global business environment.

In addition to this, Women Cell has conducted "Awareness Workshop on Counseling" on 1st October 2021 and "Gender equality today for a sustainable tomorrow" on International Womens day 8th March 2022.

File Description	Documents
Upload relevant supporting document	**View File**

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

8

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

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

238	

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

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

864	

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

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni	• **All 4 of the above**

File Description	Documents
Upload relevant supporting document	**View File**

1.4.2 - Feedback processes of the institution may be classified as follows	• **Feedback collected, analysed and action taken and feedback available on website**

File Description	Documents
Upload relevant supporting document	**View File**

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

1405	

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

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

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

1756	

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

2.2 - Catering to Student Diversity

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

VTU assesses learning levels of students at the time of commencement of the programme. Students are identified as slow/advanced learners based on their performance in prerequisite (including entrance examinations) examinations. Advanced/ slow learners are made to interact with assigned mentors.

Strategies for slow learners

- Remedial Classes are conducted to improve the academic performance of the slow learners, absentees and students who participate in sports, co-curricular activities etc. This has helped them to improve their performance and catch up into their peers.

- Group Study System is encouraged to help the advanced learners. University promotes Peer learning by motivating advanced learners to help slow learners. Continuous monitoring of academic performance and special education needs are identified by mentors.

Strategies for advanced learners

- Advanced learners are encouraged to enroll in MOOC Courses – Swayam. Under UG programs, they are given the provision of attaining Minor and Honor's degrees. Value added course are also provided both at UG and PG level.
- Advanced learners are also initiated into Research by giving opportunities to be a part of Research projects, which may lead to publication.
- They are given the provision of enrolling in integrated programs (PG and Ph.D) as per NEP 2020.

File Description	Documents
Upload relevant supporting document	**View File**
Link For Additional Information	Nil

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
2006	138

File Description	Documents
Upload relevant supporting document	**View File**

2.3 - Teaching- Learning Process

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

The University believes in the adoption of student-centric methods to enhance student involvement as a part of participative learning and problem solving methodology. Student centric Teaching Methods are reflected in project work, Field Visit, Industrial visit, Guest lectures, Role Plays, Team works, Debates, Seminar, Quizzes and case studies. Students are encouraged to make presentation in the class to make "teaching and learning" more effective.

Some examples

1. Experiential Learning

1.1 Project work

1.2 Participation in competition at various level

1.3 Field Visits

1.4 Industrial Visits

1.5 Guest Lecture

2. Participative Learning

2.1 Role play

2.2 Team work

2.3 Debates

2.4 Group work

3. Problem solving Methodology

3.1 Case studies

3.2. Analysis and Reasoning

3.3 Discussion

3.4 Quizzes

3.5 Research Activities

File Description	Documents
Upload relevant supporting document	**View File**

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

VTU being a technical University, encourages intensive use of ICT enabled tools including online resources for effective teaching and learning process. All the teachers of the University are using ICT tools and resources. They use LCD Projectors, Video Conferencing, Apple Tabs, A-view, Google quiz, MOOCS and e-learning technology. Leased line, Multimedia Projectors, Public address system, Document camera, Computers, MOOC's Desktops, Laptop, Wifi, LAN connected system, I-Pad are also used by the faculty. Classrooms in Belagavi campus, Muddenhalli campus, Kalaburgi Campus and Mysuru Campus are all ICT enabled.

E-learning centre exists at Mysuru with recording and transmission capability. This centre meets the learning demands of students. The centre develops e-learning content and works on e-learning research, EDUSAT based live transmission of lectures. More than 5000 live hours have been conducted till date and about 500 subject experts across VTU affiliated colleges including its PG centres were involved in delivering lecture on academic subjects. Special lectures and technical talk are also arranged by inviting experts from industry.

File Description	Documents

Upload relevant supporting document	**View File**

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

2.3.3.1 - Number of mentors

138

File Description	Documents
Upload relevant supporting document	**View File**

2.4 - Teacher Profile and Quality

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

138

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

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

81

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

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

2.4.3.1 - Total experience of full-time teachers

10

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

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

4

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

2.5 - Evaluation Process and Reforms

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

79

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

79

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

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

306

File Description	Documents
Upload relevant supporting document	**View File**

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

The university is continuously carrying out reforms in its examination procedures through IT integration in the examination system. In-house developed software is used in the process. Reforms have also been implemented in the continuous internal evaluation modes and components. The processes that have helped the examination section to improve the functionality of the system are listed below;

- Online filing of student details, examination forms and hall tickets generation.
- Online submission of all examination data from the colleges like attendance, CIE Marks, Practical marks, Form-A, B etc.
- Online QPDS, digitization of answer scripts, digital valuation and submission of final external marks, etc.
- Online thesis evaluation of PG programs including plagiarism check.
- Declaration of results through University Website.
- Submission and processing of application for revaluation and Photocopy.
- Auto delivery of Photocopy of answer booklets through email to the students.
- Online delivery of examination documents like issue of PDC, Transcript etc.
- All the documents issued by examination section with security features & non reproducible and mandatory documents are available on NAD portal.

All process of research program (M.Sc. (Engg.) by research/ Ph.D) are automated right from the registration to transferring it to "Shodhaganga Portal".

File Description	Documents
Upload relevant supporting document	**View File**

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

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

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

2.6 - Student Performance and Learning Outcomes

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

The University has clearly stated learning outcomes/ graduate attributes. The following mechanism is followed to communicate the learning outcomes to all stakeholders.

- Copy of the Syllabi is available in the department for ready reference for students and Faculty. Learning Outcomes are discussed with students initially and at the end of each topic students are shown they are met, by the faculty.
- The learning outcomes stated using REVISED BLOOMS TAXONOMY are presented in the lesson plan indicating the knowledge skills and competency expected from the students. The POs, PSOs and CO's of the curriculum are being displayed on University website which can be accessed by all the stakeholders, along with copy of the curriculum.
- The students are made aware of POs, PSOs and COs through Tutorial Meetings along with the competencies expected.
- In all the departments and laboratories POs and PSOs are displayed along with Vision and Mission of the department and institution.

File Description	Documents
Upload relevant supporting document	**View File**

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

VTU has adopted outcome based education mechanism to ensure the attainment of course outcome and program outcomes. The Departments adopt both direct and indirect methods of assessment to ensure attainment of PO's and CO's

Direct Assessment tools

- Internal Test
- Group discussion
- Laboratory performance(Term work)
- Student projects
- Assignments
- Semester Test
- End term Theory Result

Each assessment process which is based on Blooms levels are assigned marks along with COs they represent. Further, COs are mapped to POs to calculate the direct attainment.

Indirect Assessment Methods

- Surveys for attainment of POs (Students, teachers, parents Alumni and employer)

As per the NEP 2020, the structure of the curriculum contains skills, curricular and co-curricular activities, sports, social work. From the next academic year the attainments of these also will be taken in to account.

Feedback mechanism is being by the Boards of Studies in different program to improve the curricula, so as to improve the teaching learning process based on OBE framework.

To calculate attainments, the benchmarking is being proposed to be done based on earlier year academic performance in individual courses and the general level of the students.

File Description	Documents
Upload relevant supporting document	**View File**

2.6.3 - Number of students passed during the year

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

864

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

2.7 - Student Satisfaction Survey

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

https://vtu.ac.in/2-7-2/

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

VTU being one of the pioneer universities in implementing National Education Policy 2020, has embarked on its journey in transforming itself from a teaching centric to teaching/research centric university. In this direction, university has already framed guidelines for B.Sc. (Hons) program which is research intensive. University has a policy which looks into R & D that happens across globe and upgrades its laboratory facility, library contents and e- resources. During the last year, university has upgraded its laboratory facilities by 2+ Crores and included books and journals worth 20+ Crores. Library has various subscriptions and other e-resources through which researchers on the campus can know the latest developments in their respective fields.

University has on its website well defined research policy. Under this policy, many schemes are being implemented. Research Grant Scheme (RGS) for faculty members is one of them and this works as seed money for research work of faculty members. As a part of the policy, university encourages the faculty members to have exchange programs/ collaborations (at individual/ department/ institute) level.

File Description	Documents
Upload relevant supporting document	**View File**

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

53.88

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

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

1

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

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

22

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

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

File Description	Documents
Upload relevant supporting document	**View File**

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

0

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

3.2 - Resource Mobilization for Research

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

0

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

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

291.05

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

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

0.14

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

3.3 - Innovation Ecosystem

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

Response:

VTU has adopted MoE's National Innovation and Startup Policy 2019 https://mic.gov.in/assets/doc/startup_policy_2019.pdf for students and faculty in view of large approaches to incubate on campus. Some of the already existing incubations are: MySmartShala, TURTU, Brightbee, DattamshLab etc.

These are supported by free space, furniture and internet connection. To inculcate the culture of incubation among our own students and support them, a new program in management titled "Innovation, Entrepreneurship and Venture Development" has been started with some open electives which are also permitted to engineering graduates. Incubation centers on the campus are facilitated the faculty and to participate as experts and for students to explore internship.

Additionally, following initiatives are for creation and transfer of knowledge:

1) UNNAT BHARAT ABHIYAN

The farmers in the five villages adopted by VTU are being educated to adopt efficient water management techniques like drip irrigation, sewage management, sanitation practices, reuse of waste water and rain water harvesting.

2) e-Learning centre

University has established an e-learning centre which has been developing e-content for major disciplines through the participation of academic and industry experts.

3) Prasaranga:

University has established a publication unit Prasaranga which publishes technical books in Kannada Language for transfer of technical knowledge to common people.

File Description	Documents
Upload relevant supporting document	**View File**

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

16

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

16

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

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

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

4

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

3.4 - Research Publications and Awards

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

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following 1. **Inclusion of research ethics in the research methodology course work** 2. **Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)** 3. **Plagiarism check** 4. **Research Advisory Committee**	**B. Any 3 of the above**

File Description	Documents
Upload relevant supporting document	**View File**

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

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

3.4.3 - Number of Patents published/awarded during the year

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

35

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

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

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

18

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

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

1.71

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

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

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

67

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

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS	D. Any 2 of the above

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

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

Scopus	Web of Science
629	13.8

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

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

Scopus	Web of Science
82	65

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

3.5 - Consultancy

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

Response:

VTU has a consultancy policy and encourages faculty members to undertake consultancy. The model revenue of sharing general consultancy rules, scope of consultancy offered and standard terms and conditions are defined in the consultancy policy.

Consultancy services are offered to industries, service sector, Government departments both at national and international levels. Consultancy services cover variety of activities such as Feasibility Studies, Technological Assessment, Assessment of Design and Current manufacturing process, Material energy, Environmental and manpower Audits, Product design and process Development, Software Development, General Trouble shooting, Retrofitting exercises. In some cases where the consultancy comes from socially relevant organization, the faculty and staff of the university voluntarily give the consultancy without charging any fees for same. The university supports the faculty in this direction by giving free transport and other financial support.

University has developed a suite of software for end-to-end functioning of university both academic and administration. In this regard, the consultancy of these are extended to the other universities like Bangalore university at nominal charges keeping in view of academic sharing.

Revenue sharing model is as follows:

Type of consultancy

University share

Personal Consultancy share

Personal

20%

80%

Testing projects

40%

60%

Corporate training

20%

80%

File Description	Documents
Upload relevant supporting document	**View File**

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

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

7.01

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

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

Response:

University has the policy of taking up extension activities in its neighboring villages. Santi Bastwad and Peeranawadi were adopted for this purpose recently. VTU has created number of platforms like NSS, YRC etc. as its Institutional social responsibility. Students have been made aware of the various social issues making them involved in various activities. University organizes programmes like providing basic infrastructure facilities at schools, health and blood donation camps, career guidance, communication skills, personality development, constitutional rights, flood rescue operation, tree plantation and awareness on gender issues.

Programmes help the students to understand the problem of society and community. Such extension activities have helped students in their holistic development, leadership qualities, spirit of nationalism and cooperation. Yoga and Meditation program develop qualities like unity brotherhood and sportsmanship for better health. The skill development centre at Dandeli has provided career guidance and placement to many rural youth.

The students also participated in government sponsored programmes like vote for strengthening democracy.VTU provides funding for organizing NSS and other extension activities to affiliated engineering colleges.

Certain activities like above are part of the curriculum and students are encouraged to take projects which are socially relevant.

File Description	Documents
Upload relevant supporting document	**View File**

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

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

2

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

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

20

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

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

1414

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

3.7 - Collaboration

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

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

7

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

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

07

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

VTU has adequate facilities in all aspects. In all the four centres, the adequate facilities for teaching learning , administration, residential space for faculty staff and students. This is well supported byfacilities for curricular co-curricular and sports. Following the few listed below:

1. Classrooms and other physical facilities :

The VTU has more than adequate (1.5 times more than AICTE requirement) specious classrooms and laboratories at all four centres. All facilities are well equipped with LED display, multimedia projector, Smart board, Computer facility, WiFi and Internet facilities.

All these are enlisted in Table No.1 along with photographs.

1. Area

The University has 436.33 acres of land registered in its name. The details of Location-wise area are indicated in Table No.2.

1. Library

The knowledge resource centres are located in all four campuses.

Library is partially automated by using KOHA integrated library software 16.5 version. It has 15190 (11654+3536) project reports and 3427 (1140+2287) Ph.D Thesis.

VTU has acquired institutional membership of Shodhganga, e-Shodhsindhu and has scanning and photocopy facilities.

The details are enlisted in Table No.3.

1. Laboratories

The University has 40 laboratories which are used by the students. The details are enlisted in Table No.4

File Description	Documents
Upload relevant supporting document	**View File**

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

1. Sports

The VTU has adequate facilities for sports. These facilities are used by the students for their preparation to participate in inter institute, inter university, state level, national level and international level competitions in Sports.

2. Yoga and Meditation

The VTU has established a separate yoga and meditation centre located in building measuring 560 sq.meters for the benefit of students and staff residing in Belagavi main campus. Yoga classes are conducted every morning 6.00 am to 7.30 am and in the evening 5.30pm to 6.30 pm respectively.

International yoga day is also celebrated to create awareness about healthy life style in the University.

3. Cultural activities

VTU organizes various cultural activities like youth festival, NSS day, Women's day, Fresher day, Talent hunt, Dance competition and other such activities to explore the creativity among the students.

Dr. APJ Abdul Kalam Auditorium is well furnished with modern facilities available in the Belagavi campus and one more auditorium with same standards established at VTU Regional Office, Bengaluru.

4. Gym facility

A well equipped separate gymnasium centre for boys and girls are functioning in the main campus.

File Description	Documents
Upload relevant supporting document	**View File**

4.1.3 - Availability of general campus facilities and overall ambience

The land registered in VTUs name and builtup area and other details are given in additional information

General campus facilities:

The overall ambiance and general campus facilities are sufficient to meet the requirements of students and staff. The campus is full of greenery and well served with internal roads. There areResidential quarters for Vice-Chancellor and statutory officers and also other officers and staff of VTU. The VTU has its own transport facility for the benefit of staff to travel from city. Two electric passenger vehicles for internal transport and goods vehicle for official usage are available. There iswell equipped primary Health Centre. Guest house, sports complex, Canteen & Mess Facilities.

Main campus at Belagavi has Bank, Post office, ATM, Shops and cafeteria.There are more than 5000 tree and 976 saplings medicinal plants, gardens viz., Nectar garden, Natural garden, Butterfly garden, Ashok van, Navagrah van, Nandnvan, Sptarshi, Nakshtra van and shivapanchayat maintained by the university. Planting of tree is a continuous process. The other facilities include energy conservation, use of renewable energy, water harvesting, maintaining carbon neutrality and waste management.

File Description	Documents
Upload relevant supporting document	**View File**

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

5660.13

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

4.2 - Library as a Learning Resource

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

1) Presently Koha Integrated Library Software is used for managing the library

2) Nature of automation: partial

3) Version 16.5

4) Year of automation-2009

Year

Software using

Version

Up to 2015-16

Libsys

7

2016-17 to

2021-22

Koha

16.5

The VTU Library is partially automated with KOHA open source library automation software version 16.5. The software provides Cataloguing, Searching, Member/Patron management, Acquisition, Issue and return system.

Koha Library Software Details are given in additional information.

File Description	Documents
Upload relevant supporting document	**View File**

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases | **A. Any 4 or all of the above**

File Description	Documents
Upload relevant supporting document	**View File**

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

2061.64368

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

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

50

File Description	Documents

Upload relevant supporting document	**View File**

4.3 - IT Infrastructure

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

62

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

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

VTU has clear policy regarding Information Technology, The University has been always in the forefront adopting technologies and providing IT enabled service to all its stakeholders. The policy provides a framework for use of IT infrastructure and also lays down Vision and Mission of the University in making all itstasks IT enabled. It also outlines a mechanism for establishing and maintaining the IT infrastructure at VTU main campus and all its regional centers and Constituent college. VTU has appropriate budgetary provision for expansion and updating its IT facilities including wifi.

Vision and Mission Statement of VTU information Technology policy:

Vision:

To provide state of the art IT infrastructure and make all university content and services IT enabled.

Mission:

- **To upload the information technology infrastructure regularly and remain at the cutting edge of technology.**
- **To conform to legalized use of software systems and applications.**
- **To provide fail safe and secure IT infrastructure that can provide a platform. for all type of information, statics and dynamics VTU has the following state of the art IT infrastructure.**

File Description	Documents
Upload relevant supporting document	**View File**

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
2006	**1050**

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

- **≥1 GBPS**

File Description	Documents
Upload relevant supporting document	**View File**

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio

A. All of the above

**visual centre Lecture Capturing System(LCS)
Mixing equipment's and softwares for editing**

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

4.4 - Maintenance of Campus Infrastructure

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

10599.40

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

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

There are established procedures for maintaining and utilizing the Physical, academic and support facilities – laboratory, library, sports complex computers classrooms etc. Depending on the nature of the facilities, they are attached to a particular department viz.,

- **IT Infrastructure by Project Management Cell**
- **Classrooms, Laboratories and workshops by Departments**
- **Library has separate entity**
- **Transportation, Guest House, Quarters, Campus Maintenance, House Keeping, construction, civil and Electrical works and its repairs by Engineering Section.**
- **Sports Facilities are maintained by Sport Section**

University has well established IT and other policies. The responsibilities of acquiring, utilizing and maintaining the facilities have been assigned to the concerned department as cited above. In the process, inter departmental cooperation is extended by all the departments. Purchase of requirements are done through Stores and Purchase department as per the KTPP (Karnataka Transparency in Public Procurements 1999 amended from time to time) act. All the processes are taken up with appropriate approvals and procedure as laid down by the University and State Government.

File Description	Documents
Upload relevant supporting document	**View File**

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

1983

File Description	Documents
Upload the data template	**View File**

Upload relevant supporting document	**View File**

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

176	

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

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

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

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

File Description	Documents
Upload relevant supporting document	**View File**

5.2 - Student Progression

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

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

1	

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

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

155	

File Description	Documents
Upload the data template	**View File**

| Upload relevant supporting document | **View File** |

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

1

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

5.3 - Student Participation and Activities

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

3

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

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

There is student council in the university. A faculty is made in-charge for conduct of different activities of the council. This council encourages students to increase their participation in academic and other related areas.

The participation of students is encouraged in the following:

1. Hostel management.
2. Volunteers during convocation and other major events.
3. Help in organizing seminar workshops and conferences.
4. Participating in public function, cultural activities, sports, debates etc.
5. Represent at State, National and International level competitions.
6. Submit their feedback in mentor groups about teaching learning process and other activities of the department.
7. Register their grievances and interact freely with the faculty members.
8. Suggest or complain regarding curriculum, support services and other requirements.
9. Students are also nominated as members of disciplinary committee, anti ragging committee and other such committees as the need arises.
10. Allowed to plan for co-curricular and extracurricular activities in consultation with the head of the department under the guidance of faculty members and execute the same.
11. Participating in NSS, YRC, EDC, Women cell and other similar activities.

Apart from this University also encourages different associations, chapters, and Students clubs by participation of council members and other students.

File Description	Documents
Upload relevant supporting document	**View File**

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

89

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

5.4 - Alumni Engagement

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

Response:

VTU Alumni Association was created to bring Alumni under one roof, to foster a spirit of loyalty and to enhance academic/professional engagement between alumni and the institution. The association is registered under the society registration act on 25th Feb. 2021. The by-laws have been framed for the same. As our University is having four regional centers – accordingly four chapters have been established at Belagavi, Kalaburgi, Muddenhalli and Mysuru for the better connect of their respective alumni with the university. The chapters have already started functioning. Around 1500 alumni registered.

The members of the association are expected contribute in the following manner

- **Feedback on curriculum**
- **Teaching learning process**
- **Bridging the gap between industry and academia**
- **Important suggestions about changing trends about business and industry.**
- **Guest lecture to the students of current year batch.**
- **Interaction and mentoring the students.**

Furthermore, Alumni meets are conducted for establishing network among the former graduates and current students. It has intent of strengthening social relations, sharing expertise knowledge with the current students for guidance in projects, internships. Alumni are also envisaged for providing placement support and Research activities too.

File Description	Documents
Upload relevant supporting document	**View File**

5.4.2 - Alumni contribution during the year (INR in Lakhs)	**E. <1Lakhs**

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The University had a stared with a focus on imparting knowledge which is value based and need based to generate qualified competent, manpower

required to satisfied technological and societal needs.

Vice Chancellor as chief executive officer of the university responsible for the growth of it's activities is assisted by Dean in formulating the policies for the growth of the technology. The Vice Chancellor is supported by Executive council & Academic Senate. The statutory officers viz., Registrar, Registrar Evaluation and Finance Officer look after the administration. University has constituted various academic Committees, Administrative Committees and Finance related Committees as per the statutes. The Academic Committees includes Academic Senate, Joint Board of studies, Board of Studies, Academic Audit Committee, Department Council, Academia Industry Interaction Committee, Equivalence Committee, Board of Examination etc.

The administrative Committee includes Executive Council of the University, IQAC cell, Estate Board, Legal cell, Affiliation Committee, Admission Committee, Library Committee, Campus Development Committee, Campus Networking Committee, Campus Discipline Committee, Grievance Redressed Committee, SC/ST & OBC Committee, Annual Stock Audit Committee etc.

The Finance related Committee Includes Finance Committee, Resource Mobilization Committee, budgetary allocation Committee for Various activities, Purchase Committee and Finance review Committee.

File Description	Documents
Upload relevant supporting document	**View File**

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

University practices decentralization and participative management in its administration through Office of the Vice-Chancellor, Executive Council and Academic Senate.

University has Eight academic departments headed by Chairpersons who takes care of the individual departments with the guidance of Department Council. The quality of the different activities is guided and monitored by IQAC headed by a Director and guided by the Hon'ble Vice-Chancellor of the University.

The important Sections like Academic, Examination and Finance are headed by Statutory Officers. The University has four regional offices headed by its director. The other sections like Engineering, Stores and Purchase etc., are headed by competent persons. These sections execute the work as per the statutes, regulations and procedures set by the University.

Grievance Redress Committee comprising of senior faculty/supporting staff is constituted to provide redressal mechanism. The Girls students and women employee's difficulties/harassment/sexual abuses are addressed by Internal Compliant Committee.

The Anti Ragging Committee works as per the provisions. The Committee includes Chairpersons, senior faculty members and Hostel warden.

All sections work as per the spirit of participative management and improve upon the same by collecting feedback from stake holders.

University follows UGC/AICTE norms for the regulations and KCSRs as service rules.

File Description	Documents

Upload relevant supporting document	**View File**

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

University prepares strategic plan keeping in view vision and mission of the University, based on feedback from stakeholders and industries. It focuses on the present trend on human resources & skill requirements. The plan is executed through University Academic, Administrative sections.

The strategic plans are used for preparation and execution of various policies such as research, consultancy, IT policy, IPR policy, etc.

University being spread over the state of Karnataka has four regional centres strategically planned to impart education and research and to govern and guide the different affiliating colleges of that region. Through these centres the regional diversity.

There is a well planned strategy to conduct examination like Online QPDS, digital Evaluation, student online services related to examinations. The whole of the Ph.D. program is made online, which has avoided unnecessary delays with improved transparency.

The University makes a budgetary allocation for execution of all strategic plans well in advance through participation of all its units.

The strategic plan also takes care of equity in terms of regional diversities, gender and other social requirements. The budget takes care of all the above.

The Strategic plan of the University, which is responsible for imparting technical education in the state has been developed as per the NEP 2020 and ICT policy (including e learning)

File Description	Documents
Upload relevant supporting document	**View File**

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

The University is guided by its Act and Statutes. The Chancellor of the University is his Excellency the Governor of state, Pro Vice Chancellor is Hon'ble Minister for Higher Education. The Hon'ble Vice Chancellor is policy executive and Registrar, Registrar Evaluation, Finance Officer executes the University policy. The Dean, Academic Senate and Executive Council helps Vice Chancellor in deriving the policy for University administration. Joint Board of studies, Board of Studies and Board of examination are involved in making decisions to execute the activities

Registrar is the administrative executive, Registrar Evaluation is responsible execution of all examination related activities the Finance section of University is headed by Finance Officer who is assisted by committees Finance Committee, and Resource mobilization committee etc.

The infrastructure requirements and execution is taken care by Resident engineer through his office

The Special Officers, Regional Directors, Chairpersons of University departments heads of various sections work as per the direction of the Authorities.

The University has well defined organization structure for smooth
functioning. The University departments are guided by Departmental
Councils.

Appointment of teaching and non teaching employees is done as per the
University regulation and regulations of State Government. University
follows KCSR for its employees.

File Description	Documents
Upload relevant supporting document	**View File**

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

6.2.3.1 - e-governance is implemented covering following areas of operation 1. Administration 2. Finance and Accounts 3. Student Admission and Support 4. Examination	A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

- University provides encouragement for career development for teaching and non-teaching to pursue higher studies, attend training programme, seminars, symposium, conferences, workshops.
- University has performance appraisal system for evaluation of performance of individual. The career advancement scheme is in place.
- Being a State Technical University, VTU provides Employee Welfare benefits such as Campus Housing with amenities: Sports, Gym & Recreation facilities, children parks, ATM facility bank, post office, Clinic, Guest House etc. for its employees. It has GPF-cum-Gratuity-cum-Pension Scheme or National Pension Scheme; Leave encashment, Group Insurance, Medical Reimbursement-cum-Health Scheme on nominal subscription.
- The University also provides all statutory social security and welfare scheme such as LTC, Maternity benefits. The Spouse or family member is given a job on compassionate grounds.
- All non teaching domestic staff provided with two sets of uniforms every year. Bus facilities are provided for all school going students at concessional rates.
- University has established mentorship and counselling centre for the needy people.
- The cash award is given to the wards of the employees who secured 80% and above in their SSC and PUC examination.
- University is having day care centre for the University employees children

File Description	Documents
Upload relevant supporting document	**View File**

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

0

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

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

15

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

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

46

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

6.4 - Financial Management and Resource Mobilization

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

University prepares plan of action for Mobilization of fund and its resources utilization as per the provision of VTU Act 1994. University generate its resources through

1) Student and college fees, grants from state and central Gov, commissions, Councils.

2) Affiliation fees, processing fees, inspection fees, Migration fees, program/course equivalence fees, fees collected from research scholars.

3) The fees collected from Examination related activities such as Exam Fees, Revaluation, and Convocation etc.

4) Sports and sports Development fees, Grant for NSS, NCC, e-learning, consultancy etc.

5) Donation from Industries/Institutions private and public organization.

6) Fee collected by conduct of FDP, conferences, workshops etc

7) Interest earned from investment in Banks and other organization.

8) Fees collected through skill development program

9) Income from staff quarters and Guest house

10) Income generated from the rented buildings

11) Outsourcing of indoor and outdoor sports complex.

12) Hostel and transport fee collected from students.

The finance committee meets at least twice in year to prepared strategic plan for mobilization and utilization of resources.

The Resources mobilized are utilized for payment of Salaries to staff, Infrastructure development, Research facility, Maintenance including AMCs, conduction of conferences/Seminars/workshops and Examination related expenses.

File Description	Documents
Upload relevant supporting document	**View File**

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

0

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

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

217.5

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

6.4.4 - Institution conducts internal and external financial audits regularly

University follows guideline for its internal/external financial audit. The finance officer of the university who is on deputation from Karnataka State Audit and Account department looks after financial transaction of University.

The transaction of the account section are closely monitored and guided by the finance officer with regard to the following:

· whether Expenditure has been incurred in accordance with the framed guidelines, as per established procedures/system;

· Whether Due Diligence is exercised in procurement of goods and services.

· Whether Funds are utilized as per budgetary provisions.

· Whether strong internal controls/checks/systems are followed for expenditure.

· Whether applicable statutory requirements have been complied with

· Whether approvals and payments procedure are complied.

· Whether Proper records/documentation are maintained in the secured form.

· **Whether all discrepancies/suggestions of previous audit report are complied.**

An Audit of certain transactions is done by Karnataka Institute of public Auditor, Bengaluru, The registered institute engaged in audit of Govt./Autonomous bodies.

The additional director of the regional office of Karnataka State Audit and Account Department does audit of the University. The compliance report is submitted to the secretary, Department of higher education, Govt. of Karnataka with a copy to the additional director of Audit Department is submitted as per VTU Act 1994.

File Description	Documents
Upload relevant supporting document	**View File**

6.5 - Internal Quality Assurance System

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

Internal Quality Assurance Cell (IQAC) makes strategies for its quality assurance and monitoring based on the norms of UGC, AICTE, State Government and other statutory bodies. IQAC ensures the revision of syllabus for undergraduate programme once in four years and for post graduate programme once in two years. The feedbacks from students, alumni, industry, research organizations, parents are taken while revision of syllabus. Curriculum incorporate the courses which are industry driven, hands on training, workshops, internships and projects jointly done with industries/Research organizations. University encourages interdisciplinary courses and 5% of time in classroom is reserved for beyond classroom learning.

The enrichment of knowledge through guest lecture by experts and Industrial stalwarts, academician is arranged.

Teaching methodologies includes classroom teaching, tutorials, case studies, group discussions etc. Students and faculty are encouraged to do innovative projects resulting in publications and patent creation. It has established IPR cell.

The IPR cell reviews teaching learning processes continuously and learning outcomes are reviewed periodically.

Faculty members are encouraged to attend various academic programme such as short term courses, hands on training, conferences, seminar, workshops held at different premier institution to improve their knowledge and skill. IQAC is involved in understanding academic requirements by participating in Accreditation and Institution Ranking procedures.

File Description	Documents
Upload relevant supporting document	**View File**

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and	**A. Any 5 or all of the above**

studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting documnent	**View File**

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

The University has collected feedback from all sectors for revision of framework for curriculum. Integrated courses have been designed to appreciate applications of theory on the projects/ practical's.

Interdisciplinary courses are being introduced, students are offered courses across different departments the ability enhancement courses are devised.

The degrees are awarded as major an honours programmes. Blooms Taxonomy for each of the courses are mentioned. Programme outcomes, course outcome, course learning objectives are defined. CO's are mapped with PO's. Certain credits earned through online courses are made mandatory to complete the programme.

University conducted project exhibition to create awareness among the students on latest trends in Research and Innovation. University has established i-Nec Jointly with industries to help to improve industry institution link. University has developed robust software to handle all examination related aspects such as question paper delivery, allotment for examiner, evaluation of transcripts etc. It has introduced online delivery of certificates .University has developed in -house software on institution affiliation process, admission process and change of branch etc. Majority of financial transactions regarding academic and administration is done through software.

University has taken up step towards education to rural areas through its social responsibility by development of Jnana-ratha on wheel.

New Buildings are under construction to strengthen both academic and administrative requirement.

File Description	Documents
Upload relevant supporting document	**View File**

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Response:

VTU Shows gender sensitivity through various initiatives and actions for creating safe, Secure and healthy atmosphere in the campus.

- Safety and security

Hi-Tech Surveillance system:

E- Surveillance with high resolution cameras with distributed recording in control room has been set up in the campus.

- **Security personnel:**

The University has female security personnel deployed to ladies hostel all around the campus to create secure environment and better monitoring.

Hostels:

Hostels for girl students exist on the all campuses with the required numbers.

Medical Facilities:

Charakha Health centre with two qualified doctors along with female nursing staff is available in the campus. Round the clock medical care is available to all along with Ambulance facility.

Counseling:

A practicing lady councilor exists in the University and she takes care of all the students and staff counseling activities. The same councilor takes care of women related problems in person whenever need arises.

Girls Common Room:

Separate girl's common room is created with facilities like indoor games first aid box and newspapers.

- **Ladies Gymnasium facility :**

This facility is available in Belagavi Sports complex.

- **Day Care Centre For Young Children:**

Day care centre for Young Children is under process.

File Description	Documents
Upload relevant supporting document	**View File**
Annual gender sensitization action plan(s)	**Nil**
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	**Nil**

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

File Description	Documents
Upload relevant supporting document	**View File**

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

Response:

1. The Wet waste and Dry waste.

The wet waste generated from both from Residential quarters and office is systematically collected and shifted with help of collecting trolleys and then dumped in the specified pits located away from the Residential and Academic area and the same is used for gardening in the campus.

1. Waste Management Steps for Liquid waste management

Separate chambers and pipelines have been constructed to collect liquid wasteare disposed toSewage Treatment plant through UGD having a capacity of 200 KLD which is located on southern part of the campus and the treated water is used for gardening purpose.

1. E waste Management

E-waste is managed according to the norms of The Karnataka state pollution control board. The procedure and practices set by the board are adopted by the university.

1. Waste recycling system

The solid and liquid waste generated by the university is treated further for its reuse through the STP within the campus and the treated water is used for gardening purpose. The solid waste is collected and dumped in specially identified pits for generation of compost and further used as manure for garden maintenance within the university.

File Description	Documents
Upload relevant supporting document	**View File**

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	**View File**

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	A. Any 4 or All of the above

File Description	Documents
Upload relevant supporting document	**View File**

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and	A. Any 4 or all of the above

harness energy are confirmed through the following:

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

File Description	Documents
Upload relevant supporting document	**View File**

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

File Description	Documents
Upload relevant supporting document	**View File**

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

Response:

VTU is undertaking various initiatives in the form of celebration of National Festivals, NSS, Annual cultural fest to foster an inclusive environment by bringing students and teachers with diverse background on asingle platform for creating an inclusive environment helping in developing tolerance and harmony towards different culture, region and linguistics and also communal social economic and other diversities. Constitution of India and professional ethics is made mandatory to all B.E students across all disciplines. Convocation ceremony is conducted every year, the invited chief guest delivers convocation address to inspire and motivate the students.

All significant days marking important events are celebrated every year in University involving teaching, non teaching staff and students for the cause of nation.

Days celebrated

Date

Sadbhavana diwas,

1 Day(3rd December)

Gandhi jayanti

1 Day(2nd October)

Ambedkar Jayanti

1 Day(14th April)

Kanakdas Jayant

1 Day(3rd December)

Teachers day

1 Day(5th September)

Yoga day

1 Day(21st June)

Independence day

1 Day(15th August)

Republic day

1 Day(26th January)

Engineering's day

1Day(15th September)

NSS day

1 Day(24th September)

Women's day

1 Day(8th March)

World environmental day

1 Day(5th June)

Karnataka Rajostvaa

1 Day(1st November)

Voters Day

1Day (25th January)

Maharshi Valmiki Jayanti

1 Day(24th October)

File Description	Documents
Upload relevant supporting document	**View File**

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

VTU organizes various activities to sensitize students and employees pertaining to constitutional obligation: Values, Rights, Duties and responsibilities of the citizens. Constitution day was celebrated at VTU,

Belagavi campus by inviting experts on constitutional matters. He appraised to all the present VTU staff about the power the constitution gives to a common man and the importance of creating awareness among the general public regarding constitution rights and responsibilities that citizen of the country should adhere. Our constitution provides for human dignity, equality, Social justice, Human rights and freedom ,Rule of law.

VTU curriculum has a course on the Constitution of India at Degree level across all engineering disciplines to create awareness and sensitize the students and employees about constitution obligation. As a part of strengthening the democratic values. Professor Mr. Anil S. Pol is continue as ELC Coordinator under his guidance, Electoral Literacy Club and voters awareness forum are created to literate the students and the general public about the Democracy. A voters pledge programme was organized for students and faculties at VTU, Belagavi. The national Voters day, University level essay competition both in Kannada and English, was organized.

The student Manual of the university also focuses on duties and responsibilities. Board on the campus can be displayed for values, duties and responsibilities of citizen.

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on Code of Conduct are organized	Any 3 of the above

File Description	Documents
Upload relevant supporting document	**View File**

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

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

Response:

VTU is committed to promote ethics and values amongst students and faculty. The University organises National festivals as well as Anniversaries of the great Indian personalities which include.

Date

Commemorative days

1st November

Kannada Rojyotsava

2nd October

Gandhi Jayanti

5th Sept.

Engineers Day

21st June

International Yoga day

8th March

International Women's Day

26th Jan

Republic Day

15th August

Independence Day

5th June

World Environment Day

Azadi ki Amrut Mahotsav

Each National and International commemorative days are celebrated in the institution. A talk from distinguish personality was arranged and staff, students attended the same and new insights where shared to enhance the awareness and significance of each days.

Yoga day was celebrated and students and teachers were participated in Yoga and teacher of yoga explains the importance of each of ASANAS.

VTU has embarked on green journey and Go green initiative was undertaken to commemorate world environment day.

Cultural programs pertaining to the state's rich heritage were at display and saw wide participation from employees and their families.

NSS Day was celebrated by the students and staff ,social initiative in the near by village was undertaken spearheaded by the students.

File Description	Documents
Upload relevant supporting document	**View File**

7.2 - Best Practices

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

1. **Title: Digitized Affiliation Process**
2. **Objectives:**

- **Collection of academic information from affiliated colleges.**
- **Creating committees to conducts visits.**
- **Report generation.**
- **Issuing of affiliation notification.**

1. **The context:**

Collation of Information needed to be collected from the colleges had to be identified. Report format required had to be envisioned and Finalization.

1. **Practice:**

Real-time collection of data and simultaneous demand generation, online payment and receipt uploading by the college. Wrong entries by the colleges would change the overall demand, hence manual updation is provided. Review option to colleges to check the data entered by them before submission.

1. **Evidence of success:**

College entered data is readily available in case of any urgent requirement. The overall affiliation process would take approximately 45 days generating report after visits are completed. Document such as order copies for team members conducting the visits and affiliation notification are atomized.

1. **Problem encounter and resources required:**

Any changes to be made such as college name change etc. would required sometime as it is done by external agency.VTU is in the process of transferring the software along with the data including the source code into our server. Training internal personnel from external agency is assured.

7.3 - Institutional Distinctiveness

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

Institutional Distinctiveness:(NEP-2020)

The Visvesvaraya Technological University has initiated steps for implementation of National Education Policy in the state engineering institutions from the current academic year, is set ready to provide quality technical courses on par with IIT, NIT, and B.Sc. Course at par with IISc- Bengaluru.

Ability Enhancement Courses introduced to make students globally competitive. 'Scientific Foundations of Health' as a subject to be included for emphasizing importance of Health & Wellness, to award flexibility in teaching, bring 'Social Connect & Responsibility' as a subject to inculcate social responsibility in students.

Ample choices made available for students under open electives and open book examination mode should be introduced in certain design courses. Open electives would be dynamic and regulations with regard to the Board of Studies are to be relaxed to facilitate taking timely decisions regarding revamping of curriculum and introduction of new courses.

Taking into consideration the importance of engineering in recent global medical technology. A subject, 'Biology for Engineers' to be introduced in the 4th semester. Awareness among students of the importance of sustainable development 'Environment Studies' would also be introduced. To promote experiential learning Integration of Theory and Practical will be given priority. Another new subject 'Music and Mechanical Vibrations' to be introduced.

7.3.2 - Plan of action for the next academic year

1. Conduction of Academic Audit Committee Meeting to review and suggest the improvements and action plan for the future activities.
2. Conduction of IQAC meeting to review the progress suggest inputs for further improvements in overall development.

3. The University is already using ICT facilities in the academics. In administration, entire examination management system is made online and many more initiatives are planned to make the university paperless.
4. The University planning to establish data analysis cell which will use the required analytical tools for the process. The data thus collected must be useful NIRF, AISHE, etc.
5. Address the challenges in implementation of NEP 2020.
6. Establishment of Laboratory to support the Interdisciplinary/Multidisciplinary education and research.
7. Developing a mechanism for the assessment of out comes.
8. Facilitating University departments with Academic autonomy.
9. Involvement of E-learning and MOOCs activities for extra credits.
10. Starting of need based multidisciplinary programs.
11. University is planning to have bilateral programs with other HEIs in the Country and abroad. To plan for such activities University has established Global Campus department, which will take care of MoU with foreign Universities and Indian HEIs.