# YEARLY STATUS REPORT - 2020-2021

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1.Name of the Institution** | Vignana Bharathi Institute of Technology |
| • Name of the Head of the institution | Dr.P.V.S.Srinivas |
| • Designation | Professor of CSE & Principal |
| • Does the institution function from its own campus? | Yes |
| • Phone no./Alternate phone no. | 7993453633 |
| • Mobile no | 9866861613 |
| • Registered e-mail | principal@vbithyd.ac.in |
| • Alternate e-mail | pvs.srinivas@vbithyd.ac.in |
| • Address | Aushapur (V), Ghatkesar (M), Medchal Dist, Telangana State 501301 |
| • City/Town | Hyderabad |
| • State/UT | Telangana |
| • Pin Code | 501301 |
| **2.Institutional status** | |
| • Affiliated /Constituent | Affiliated |
| • Type of Institution | Co-education |
| • Location | Rural |

| | |
|---|---|
| • Financial Status | **Self-financing** |
| • Name of the Affiliating University | **Jawaharlal Nehru Technological University, Hyderabad** |
| • Name of the IQAC Coordinator | **Dr.Jayant Kulkarni** |
| • Phone No. | **9966872351** |
| • Alternate phone No. | **08415200321** |
| • Mobile | **9989395570** |
| • IQAC e-mail address | **vbitiqac@gmail.com** |
| • Alternate Email address | **vbitiqac@vbithyd.ac.in** |
| **3.Website address (Web link of the AQAR (Previous Academic Year)** | https://www.vbithyd.ac.in/wp-content/uploads/2021/09/VBIT-AQAR-2019-20.pdf |
| **4.Whether Academic Calendar prepared during the year?** | **Yes** |
| • if yes, whether it is uploaded in the Institutional website Web link: | https://vbithyd.ac.in/wp-content/uploads/2021/07/Revised-Academic-Calendar-for-the-A.Y.2020-21..pdf |

**5.Accreditation Details**

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|---|---|---|---|---|---|
| **Cycle 1** | **A** | **3.23** | **2018** | **03/07/2018** | **02/07/2023** |

| | |
|---|---|
| **6.Date of Establishment of IQAC** | **01/06/2015** |

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

| Institutional/Department /Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---|---|---|---|---|
| **EEE** | **Grant for Organizing Conference (GOC)** | **AICTE** | **2020** | **50000** |
| **Institution** | **SPICES** | **AICTE** | **2020** | **100000** |

| 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 | 3 | |
| • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? | Yes | |
| • If No, please upload the minutes of the meeting(s) and Action Taken Report | No File Uploaded | |
| 10.Whether IQAC received funding from any of the funding agency to support its activities during the year? | No | |
| • If yes, mention the amount | | |
| 11.Significant contributions made by IQAC during the current year (maximum five bullets) | | |
| Establishment of Teachers- Training Unit under IIIC | | |
| Initiation of DISHA-Alumni Connect Application | | |
| Launching of Exclusive Learning Management System named ABHYASA | | |
| To develop a mechanism for the preparation of R-21 Academic Regulations | | |
| 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 |
|---|---|
| Establishment of Teachers-Training Unit under IIIC | Established |
| Initiation of DISHA-Alumni Connect Application | Launched |
| Launching of Exclusive Learning Management System named ABHYASA | Launched |
| Preparation & submission of AQAR | submitted |

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

- Name of the statutory body

| Name | Date of meeting(s) |
|---|---|
| Academic Council | 30/08/2021 |

**14.Whether institutional data submitted to AISHE**

| Year | Date of Submission |
|---|---|
| 2020-21 | 31/03/2022 |

# Extended Profile

**1.Programme**

1.1                                                                                       **16**

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

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

**2.Student**

2.1                                                                                       **3933**

Number of students during the year

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | [View File](#) |

2.2                                                                    **696**

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

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

2.3                                                                    **610**

Number of outgoing/ final year students during the year

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

**3.Academic**

3.1                                                                    **250**

Number of full time teachers during the year

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

3.2                                                                    **31**

Number of sanctioned posts during the year

## Extended Profile

### 1.Programme

| 1.1 Number of courses offered by the institution across all programs during the year | 16 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

### 2.Student

| 2.1 Number of students during the year | 3933 |
|---|---|

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | View File |

| 2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year | 696 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

| 2.3 Number of outgoing/ final year students during the year | 610 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

### 3.Academic

| 3.1 Number of full time teachers during the year | 250 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

| 3.2 | 31 |
|---|---|
| Number of sanctioned posts during the year | |

| File Description | Documents |
|---|---|
| Data Template | View File |

## 4.Institution

| 4.1 | 84 |
|---|---|
| Total number of Classrooms and Seminar halls | |
| 4.2 | 84877099 |
| Total expenditure excluding salary during the year (INR in lakhs) | |
| 4.3 | 1080 |
| Total number of computers on campus for academic purposes | |

# Part B

## CURRICULAR ASPECTS

### 1.1 - Curricular Planning and Implementation

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

**The governing body in its periodic meetings give specific directions and design guidelines in regard of effective curriculum delivery and strengthening Teaching and learning process. Internal Quality Assurance Cell (IQAC) prepares the set of general guidelines to be followed by all Departments to follow the curriculum delivery process. Academic Council & Board of Studieswill discuss these guidelines. Apart from that, it receives input from various stakeholders regarding strengthening of curriculum. Based on the suggestions fromAlumni, Industrialists and students, Board of Studies will suggest the topics to bridge the gap in the curriculum to meet the industry needs. Itwill also suggest the thrust areas of activities (Guest Lecture, Workshops and Seminars etc.) to the respective Department. Academic Council will finalize the time bound plan of academic program which consists of three phases:**

**1. Preparation (Planning of addititional topics and content),**

2.execution of curriculum delivery and

3. Analysis of the curriculum delivery through feedback process.

Based on the guidelines of Board of Studies,faculty members with the help of course coordinatorsof respective subjectsprepare course files for each subject and develop Lab. Manuals for all labs and these are periodically audited and modified with new developments in the field of technology. All efforts are made to maintain the quality sustenance in curriculum delivery. Head of the Department approves the Academic Plan.The same will be uploaded to E-CAP to make it available to all the students. A detailed lesson plan and lecture notes are prepared in all the subjects by the faculty members concerned and frequent departmental meetings are conducted to ensure effective curriculum delivery as per lecture schedules. Syllabus coverage sheets are prepared every week to monitor the syllabus coverage as per schedule Department faculty members are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions and also arranging workshops, seminars, industrial visits apart from regular/traditional teaching methods. Faculty members are advised to prescribe the method of instruction delivery for each topic at the time of preparing the lecture schedules. About fiveTutorials per subject are conducted in separate Tutorial sheets to make students clarify their doubts. About two Assignments are conducted per subject in separate Assignment sheets which cover topics beyond regular curriculum Depending on the lesson plan prepared by the faculty member, suitable numbers of periods are allotted in the class time tables to see that the curriculum delivery is finished within the instruction period mentioned in almanac. Besides, it also prepares its own activity calendar incorporating the various activities of the college and also individual departments. Frequent review meetings are conducted at the department level and also at the college level to assess whether the activities are being conducted as per the academic calendar. support mechanism to teachers from the institution for effectively translating the curriculum and improving teaching practices.Under the guidance of Head of the Department and Senior Professors and following the guidelines of Board of Studieseach faculty member of respective Department prepares an academic plan for the subject allotted to him/her for the semester Based on this academic plan prepared by faculty members, Department prepare its activity calendar which consists of the schedule of various academic programs like Guest lecture, workshop and seminars etc. IQAC conducts a full day workshop before the commencement of each

semester to train the faculty members about proposed practices for effective teaching learning method All the Departments are equipped with resources like Seminar Hall, Internet, Projectors& OHP to promote better teaching The Departments also conduct workshops / refresher courses on latest topics and encourage the faculty to participate in those workshops. Further, the college also deputes faculty members to various workshops held at other institutions in this regard. Faculty members who attended such workshops have to give a presentation (on the topic of the workshop attended) in monthly R & D meeting. Academic leave is granted to all those faculty members attending workshops/seminars and also bears the expenditures incurred towards registration fee, traveling and boarding as per the guidelines mentioned in policy book College offers a membership of professional societies (IEEE,IETE, SAE etc.) to identified faculty members The College regularly organizes teacher training program and interactive sessions between the faculty members of the individual departments and the experts invited from industry and premier institutions like NITs and various industries are arranged. The College also arranges lectures on research methodologies by eminent academicians to promote research activities in the departments and also to enrich their delivery of curriculum incorporating research aspects of the subjects. The College library procures text books suggested by the faculty members and also subscribes to various journals and technical magazines to provide effective tool for the instruction delivery. Lectures of eminent professors on various subjects will be procured for the library and makes them available in the central and department libraries for the use of faculty. In order to motivate faculty and students of the latest trends in higher learning and research work. The advanced Labs setup in the college and latest equipment is procured in various labs of the departments to promote research among the faculty members and also to strengthen the curriculum delivery by way of conducting practical. Faculty can take advantage of Incubation Center and Center of Excellence to perform R&D activities and also guide students. The library and computer centers are kept open from 9:00 am to 6:00 pm to facilitate the staff member to prepare and update the course contents and also subscribes to a large number of journals for usage by the faculty.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | [View File]() |
| Link for Additional information | https://www.vbithyd.ac.in/almanac/ |

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

**Evaluation Process and Reforms:**

**The institution ensures that the stakeholders of the institution especially students and faculty are aware of the evaluation processes:**

**Periodic Evaluation forms the backbone of entire teaching learning process Administration, Students, faculty members and parents are four important stakeholders of this process .Evaluation takes place at two levels: Internal and External . Being an autonomous institution, general rules are published in the Academic regulations and also in the student handbook of the Institute. Changes in the rules are informed to faculty members in the Departmental or central meetings or by circulars. Students are informed about the same by displays on notice board and website.SMS alerts are send to parents through E-Cap portal. The result of evaluations are made available on E-Cap and also on examination branch portal (www.vbithydexams.in). Students can assess the information regarding their performance through log-in facility on E-Cap. Training and Placement Cell of IIIC keep the track of academic record of the students for placement assistance to them. Mentors are advised to use the information (performance of the student) available on E-Cap while counseling the respective student .Institute follows the guidelines laid down in its academic council meeting regarding the evaluation process. Salient features of this process are:**

**Evaluation - Distribution and Weightage of marks**

**The performance of a student in every subject/course (including practicals and Project Stage – I & II) will be evaluated for 100 marks each, with 30 marks allotted for CIE (Continuous Internal Evaluation) and 70 marks for SEE (Semester End-Examination). For theory subjects, during a semester, there shall be two mid-term examinations. Each mid-term examination consists of one objective paper, one descriptive paper & participatory learning activity. The objective paper and the descriptive paper shall be for 10 marks each with a total duration of 1 hour 20 minutes (20 minutes for objective and 60 minutes for descriptive paper) & 10 marks for participatory learning activity. The objective paper is set with 20 multiple choice, fill-in the blanks and matching type of questions for a total of 10 marks. The descriptive paper shall contain 4 full questions out of which, the student has to answer 2**

questions, each carrying 5 marks.

Participatory Learning Activity:

Students can learn the subject by various participatory methods. These methods form the base for internal assessment of the students. Assessment will be done based on quality participation of students in the learning method of respective subject. Teacher and student can mutually decide one of the following methods for assessment:

· Technical presentations

· Group activity

· Modelling

· Micro project

· Participation in professional society activities

· Organising technical activities

· Industrial visit or expert interview report

· Idea presentation/Quiz competition

· Innovative assignment

While the first mid-term examination shall be conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus. The total marks secured by the student in each mid-term examination are evaluated for 30 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each student in Continuous Internal Evaluation. If any student is absent from any subject of a mid-term examination, re-examination will be conducted for the students with genuine reasons after approval by Head of the respective department and Head of the institution.

The following parameters are assessed while distributing the marks for laboratory courses:

1. Regularity in labs

2. Record and observations

**3. Knowledge of the concept**

**The institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own:**

**Part-1: Institute makes the students aware about the evaluation process well in advance The details are mentioned in hand book Any changes in the scheme are displayed on notice boards and on website**

**Part-2: Institute prepares the students for the examination in following ways:**

**1. Tutorials for each subject**

**2. Make up tests before the final examination**

**3. Counseling for the weak students**

**Part-3: Institute conducts the examination strictly .The internal performance of students is displayed on notice board and evaluated answer scripts are shown to the students Each Department follows the guide lines issued by IQAC regarding record writing and correction of the same. All the documents like question papers and answer scripts, selected records and manuals are well preserved at examination branch and IQAC. Students can apply for reevaluation and recounting to the exam branch if he/she is not satisfied with the evaluation of final examination.**

| File Description | Documents |
|---|---|
| Upload relevant supporting document | [View File](#) |
| Link for Additional information | https://www.vbithydexams.in |

| | |
|---|---|
| **1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University  Setting of question papers for** | **B. Any 3 of the above** |

**UG/PG programs  Design and Development of Curriculum for Add on/ certificate/ Diploma Courses  Assessment /evaluation process of the affiliating University**

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

## 1.2 - Academic Flexibility

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

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

**3**

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

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

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

**7**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Brochure or any other document relating to Add on /Certificate programs | View File |
| List of Add on /Certificate programs (Data Template ) | View File |

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

**number of students during the year**

**1266**

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

## 1.3 - Curriculum Enrichment

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

The college sensitize its staff and students on issues such as Gender, Environment and Sustainability, Human Values and Professional Ethics in following ways:

- The core group of the Institute has a clear vision about the real purpose of the education
- The teaching of values like gender equality, environment protection, transparency, ethical behavior takes place in a systematic way through a chain of activities Students are engaged in various forums as per their interest.
- Almost each student of the Institute becomes member of one of the groups.
- The activities of each forum are so designed that along with main purpose of the forum, few common goals are achieved effectively.
- Main goals of various forums:

S.No

Forum

Purpose

1.

IEEE, IETE, SAE, All Branch Associations

Technical skill and knowledge, Professional Ethics

2.

Dyuthi (NSS unit) and Street cause

Social commitment and leadership

3

Virinchi (forum for performing arts), Aashay (film club)

Talent in the field of arts and culture

4

Sport club

Team work and physical fitness

5

StuTalk-News letter

Creative writing

6

Harith-Eco Club

Awareness about Environmental issues

7

Ganith-Mathematics club

Logical and analytical skills

8

coding Studio

Imparting coding culture

9

Epsilonpi Club

inculcating a product-mindset

10

IGBC (Indian Green Building Council)

higher order of building efficiency using eco-friendly construction methodologies

11

Srishti- Literature club

to nurture the literary zeal among the students, bringing them closer to language acquisition

12

Chitrika

exposure to the talent of photography

13

Robotics Club

to Explore, Develop and Innovate robots

14

MUN (Model United Nations)Society

to empower voices, inculcate accountability and encourage critical thinking through simulated conferences

- Common aspects of activities and goals:

S.No

Nature of the activity

Purpose being served

1.

Combine group of boys, girls and faculty members which forms the

executive committee of the respective forum

Gender equality, Inclusion and Team work

2

A meeting of the committee to plan the activities with estimated budget for an academic year

Analytical skill, financial discipline and the habit of advance planning

3

Presentation of the plan in the meeting of SAC and CAC for approval

Presentation skills

4

Publicity of the events before the program

- 

5

Emphasis on DO's and DON'Ts for each program (Optimum usage of resources, no to plastic etc.)

Environmental awareness

6

Finalisation of resources persons

Communication skill and networking of experts in the field

7

Written Agenda of each program

Minute to minute plan, punctuality

8

Actual execution of the program

Public speaking skill, on stage and off stage management

9

National songs at the beginning or at the end of the program

Patriotism

10

Press note for publicity

Drafting skill and public relation

11

Preparation of activity record file in a given format to IQAC

Habit of perfect documentation, transparency

12

Submission of statement of account to the accountant with bills

Financial discipline, Accountability and Transparency

- The College organizes annual ECO-Fest to create environmental awareness among the students on the occasion of world ozone day.
- The College has a film club named AASHAY. Students make short films which are message oriented. Various films based on the above mentioned issues like gender equality, inclusion and environment are screened through out the year For Independence Day and Republic Day Celebrations students participate in large numbers.
- It is always ensured that the campus is kept clean and every day in the morning by the time students enter the campus, classical music is played. This helps to have pleasant atmosphere.
- International Women's Day is being celebrated every year. Institute has received outstanding WIE ( Women in Engineering) affinity group award from IEEE at R-10 (Asia-Pacific region)

- **Blood Donation Camp is being organised every year**

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

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

**16**

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

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

**876**

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

## 1.4 - Feedback System

| 1.4.1 - Institution obtains feedback on the | A. All of the above |
|---|---|

**syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni**

| File Description | Documents |
|---|---|
| URL for stakeholder feedback report | NIL |
| Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management | View File |
| Any additional information | View File |

**1.4.2 - Feedback process of the Institution may be classified as follows** | **B. Feedback collected, analyzed and action has been taken**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| URL for feedback report | https://abhyas.vbithyd.ac.in/my/ |

**TEACHING-LEARNING AND EVALUATION**

**2.1 - Student Enrollment and Profile**

**2.1.1 - Enrolment Number Number of students admitted during the year**

**2.1.1.1 - Number of students admitted during the year**

**1064**

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

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

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

**741**

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| Number of seats filled against seats reserved (Data Template) | [View File](#) |

## 2.2 - Catering to Student Diversity

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

The institution identify and respond to special educational /learning needs of advanced learners:

- A well-laid out and streamlined mechanism is present for continuous monitoring and evaluation of the students.
- This system helps the teachers to identify advanced learners based on the performance in internal exams, attendance regularity and the performance in class tests, Assignments and Tutorials.
- Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs for better career planning and growth like: Encouraging the students to be active members or office bearers of various professional bodies and branch associations.
- To take up industry based projects. To identify the emerging technical areas and organize various events relating those areas.
- Special coaching is imparted through R&D center regarding paper publications and scope for higher studies in relevant areas. Recommending the students to National Laboratories for internship.
- To nurture the students so that they become leaders of various professional bodies at section and state level.
- Assigning seminar topics. Topics on content beyond syllabus are taught to quench to some extent their thirst for knowledge. Training on paper presentations is imparted even from first year by organizing events like AVISHKAR which is a State level paper presentation contest exclusively for I B. Tech students.
- Encouraging them to prepare for competitive examinations like GATE,CAT etc., Encouraging them to participate in classroom seminars, group discussions, technical quizzes etc. for developing analytical, problem solving and presentation skills.
- Motivating to access latest online journals, reference

materials and help them to understand the emerging trends in their field of study.

- Training to use audio visual aids like power point, charts and models for effective presentation. Motivating to participate in in-house research activities.
- For this Incubations Centers are started. The goal of Incubation Center is to facilitate practical application of knowledge for public use. This is to facilitate the creation of ideas and inventions that benefit society. To this end, VBIT has developed this Incubation centre to provide guidance and management structure to facilitate development of Knowledge. Every year a test is conducted (On the basis of Technical Skills and Mental ability) for II Year students and 20 students are selected. They continue in this centre till their III-II semester.
- Encouraging them to participate in national level paper contests, seminars and project exhibition competitions. Providing opportunity to develop their creativity by organizing inter collegiate and state level cultural, literary, technical and sports competitions.
- Encouraging them to take specialized training through certificate courses. Appointing them as student representatives at the department level committees to develop leadership skills.
- Assistance in helping the slow learners especially during the conduct of tutorials which will enhance their communication skills.
- Pre-placement training (PPT) classes are conducted to improve their performance in the placement interview.

The institute collect, analyze and use the data and information on the academic performance (through the program duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.):

- The College is practicing mentor-student counseling pattern (1:20) from last 11 years.
- The mentoring registers are prepared which indicates the academic record of all the students which belong to the above mentioned groups.
- Based on the performance in first mid exams, slow learners are identified Mentors develop a rapport with the concerned students through personal interactions
- Mentors talk with their parents to make the interaction more effective and result oriented.

- **Mentors are informed to provide special attention towards this group of students.**
- **The purposes are as follows:**

**1. To maintain the spirit of teaching learning process at par with others**

**2. To assist them in pursuing their goal**

**3. To prevent the cases of detention because of lack of attendance or dropouts because of lack of interest in education**

- **Following measures are taken to achieve the same:**

**1. Special subject classes after the college working hours**

**2. Spoken English classes to boost the confidence level**

**3. Periodic counseling**

**4. Involving them in to their field of interest and then motivate them for good academic performance**

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/sac/ |
| Upload any additional information | View File |

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

| Number of Students | Number of Teachers |
|---|---|
| 3933 | 250 |

| File Description | Documents |
|---|---|
| Any additional information | View File |

## 2.3 - Teaching- Learning Process

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

**Teaching-Learning is made more student-centric. Following are the details on the support structures and systems available for**

teachers and students to develop skills like interactive learning, collaborative learning and independent learning among the students:

The thrust is given to make the entire teaching learning process student centric. The required logistic support is available in each Department.

1. Interactive learning:

- Through E-CAP, Students can have access to various information regarding Marks, Academic Plan, Attendance, Library etc.
- Each Department conducts Guest lectures on the topics in or beyond the syllabus as mentioned in academic plan of each subject.
- Class seminars are conducted in each semester which are evaluated by faculty members
- Mentors are regularly interacting with a group of 20 students in a respective class and communicate the significant feedback (if, any) to the concern faculty member through HOD
- Faculty members are teaching few topics based on group discussion, quiz etc. SMS and mails are sent to all the students regarding important sessions, programs, holidays etc. SMS are also sent to parents daily regarding their wards attendance.
- There is a provision of separate e-classroom and seminar hall for each department and all labs are with LAN connect
- Interactive E-Cap portal Interactive library web portal

1. Collaborative learning :

- College has an exclusive digital library consisting 30 systems where students can access e-lectures, e-books, e-journals and e-materials etc.
- Four well equipped AV rooms are available in library for multimedia sessions of any subject

1. Independent learning :

- The college has established specous and well stacked library with required facilities like reading place, journal section, reference book section, textbook section and

  literature section etc.
- Each Department is having well equipped labs and also provides incubation centers to cater the need of bright students

1. Participatory Learning :

Students can learn the subject by various participatory methods. These methods form the base for internal assessment of the students. Assessment will be done based on quality participation of students in the learning method of respective subject. Teacher and student can mutually decide one of the following methods for assessment:

- Technical presentations

- Group activity

- Modelling

- Micro project

- Participation in professional society activities

- Organising technical activities

- Industrial visit or expert interview report

- Idea presentation/Quiz competition

- Innovative assignment

The institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators:

- Realising the importance of development of critical thinking, creativity and scientific temper among the students, Institute has developed a two fold strategy:

1. Establishment of Project labs and IoT centers at Department level

2. Establishment of Students Activity Center at Institute level

Details of various academic and administrative bodies that have student representatives on them: Institute wants to establish a teaching learning process entirely student centric. As a part of this policy student representation in each aspect is very important. Following are the various committees where they have a specific role to play:

- Academic:

  o Class Representatives
  o Library Committee
  o T&P, ED and CG Cell

- Administrative :

  o Anti Ragging committee
  o Women Grievance Redressal Committee

- Other forums:

  o All the 22 forums working under Student Activity Center (SAC)

Apart from this Institute makes the student involved in all important discussions in following ways:

- Their expectations about the need and content of value addition programs Functioning of labs and Incubation Centers
- All the events to be conducted at College and Department level

1. Experiental Learning:

1.Additional Experiments at laboratory level

2.Project Labs at Department level

3. Assignments at class room level

Problem Solving:

1. IoT Lab to design and develop indiginious projects

| File Description | Documents |
|---|---|
| Upload any additional information | [View File]() |
| Link for additional information | [http://119.235.51.91/ecap/main.aspx#]() |

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

Faculty members are always encouraged to use various ICT enabled tools for effective teacing-learning process.

various tools are as follows:

1. Blogs exclusively prepared by faculty members

2. NPTEL & MOOCS courses

3. e-cap portal

4. LCD projectors

5. Audio Visual class rooms

6. e-books

7.e-journals

Apart from the above tools, institutehas exclusively prepared ABHYASA portal- exclusive Learning Management System portal for te effective functioning of teaching-learningprocess of institute duringcovid pandemic time.LMSs are focused on online learning delivery but support a range of uses, acting as a platform for online content, including courses, both asynchronous based and synchronous based.An LMS delivers and manages all types of content, including video, courses, and documents. In the education and higher education markets, an LMS will include a variety of functionality that is similar to corporate but will have features such as rubrics, teacher and instructor-facilitated learning, a discussion board, and often the use of a syllabus. A syllabus is rarely a feature in the corporate LMS, although courses may start with heading-level index to give learners an overview of topics covered.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Provide link for webpage describing the ICT enabled tools for effective teaching-learning process | [View File](#) |

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

## 2.3.3.1 - Number of mentors

**196**

| File Description | Documents |
|---|---|
| Upload, number of students enrolled and full time teachers on roll | [View File](#) |
| Circulars pertaining to assigning mentors to mentees | [View File](#) |
| Mentor/mentee ratio | [View File](#) |

## 2.4 - Teacher Profile and Quality

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

**250**

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

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

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

**52**

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

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

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

**6**

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

**2.5 - Evaluation Process and Reforms**

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

**Evaluation Process and Reforms:**

**The institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes:**

- **Periodic Evaluation forms the backbone of entire teaching learning process**
- **Administration, Students, faculty members and parents are four important stakeholders of this process**
- **Academic section of which the Examination branch is an integral part, is always in contact with JNTUH regarding rules and regulations of the evaluation process**
- **Evaluation takes place at two levels: Internal and External**

- The general rules are published in the handbook of the Institute
- Changes in the rules are informed to faculty members in the Departmental or central meetings or by circulars. Students are informed aboutthe same by displays on notice board and website.SMS alerts are send to parents through E-Cap portal
- The result of evaluations are made available on E-Cap & examinations portal of the institute
- Students can assess the information regarding their performance through log-in facility on E-Cap & examinations portal of the institute
- Training and Placement Cell of IIIC keep the track of academic record of the students for placement assistance to them
- Mentors are advised to use the information (performance of the student) available on E-Cap while counseling the respective student
- The major evaluation reforms of the university that the institution has adopted and the reforms initiated by the institution on its own

Institute follows the guidelines laid down by University regarding the evaluation process

Salient features of this process are:

- Two phases of evaluation-Internal and External
- Distribution of marks-30% and 70%
- Assignments & PLA are evaluated as Internal evaluation
- Mini and Major projects are also evaluated on Internal and External basis

Institute has developed its own scheme of marks for the internal evaluation of lab courses. The following parameters are assessed whiledistributing the marks:

1. Regularity in labs

2. Record and observations

3. Knowledge of the concept

The institution ensure effective implementation of the evaluation reforms of the university as well as at institute level and those

initiated by the institution on its own:

Part-1

- Institute makes the students aware about the evaluation process well in advance
- The details are mentioned in hand book
- Any changes in the scheme are displayed on notice boards and on website

Part-2

Institute prepares the students for the examination in following ways:

1. Tutorials for each subject

2. Make up tests before the final examination

3. Counseling for the weak students

Part-3

- Institute conducts the examination strictly The internal performance of students is displayed on notice board and evaluated answer scripts are shown to the students
- Each Department follows the guide lines issued by IQAC regarding record writing and correction of the same
- Students can apply for reevaluation and recounting if he/she is not satisfied with the evaluation of final examination
- Details on the formative and summative evaluation approaches adapted to measure student achievement.

Details and Impact of Formative evaluation process-

Participatory Learning Activity:

Ø Students can learn the subject by various participatory methods. These methods form the base for internal assessment of the students. Assessment will be done based on quality participation of students in the learning method of respective subject. Teacher and student can mutually decide one of the following methods for

**assessment:**

**? Technical presentations**

**? Group activity**

**? Modelling**

**? Micro project**

**? Participation in professional society activities**

**? Organising technical activities**

**? Industrial visit or expert interview report**

**? Idea presentation/Quiz competition**

**? Innovative assignment**

**While the first mid-term examination shall be conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus. The total marks secured by the student in each mid-term examination are evaluated for 30 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each student in Continuous Internal Evaluation. If any student is absent from any subject of a mid-term examination, re-examination will be conducted for the students with genuine reasons fter approval by Head of the respective department and Head of the institution.**

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| Link for additional information | [https://www.vbithydexams.in/](https://www.vbithydexams.in/) |

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

   1. **In the autonomous system, the most important component is the examination process. The following are the examinations conducted right through the semester.**

1. Two Mid term examinations and for theory and lab courses
2. Compensatory mid examination for theory and lab for both absentees and for improvement
3. Semester End Examinations for theory and lab courses
4. Supplementary examinations for theory and lab courses

2. At VBIT, we have devised a comprehensive examination system, backed by state-of-the-art hardware and software systems, to administer the process smoothly.
3. The marks to be awarded to each credit carrying course shall be 100 , out of which, 30 marks are allocated for Continuous Internal Evaluation (CIE) and 70 marks for Semester End Examination (SEE).
4. Mid-semester Examination: Question papers shall be evaluated by a departmental committee comprising senior faculty members and a member from other department for correctness of the questions, a balanced question paper, with uniform weightage for the prescribed syllabus adhering to various levels of Bloom's taxonomy.
5. Internal and external examination marks are always assessable to the respective student through E-cap portal & Autonomous examination portal
6. The marks and attendance of the group of 20 students will be sent toconcerned faculty mentor for the sake of appropriate counseling
7. Institute organizes parent teacher meet, once in a semester, where the parents are informed about the performance of their ward
8. Institute maintains utmost transparency in the examination and subsequent evaluation process

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| Link for additional information | [https://www.vbithydexams.in](https://www.vbithydexams.in) |

## 2.6 - Student Performance and Learning Outcomes

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

All departments in the institute have defined their POs, PSOs, PEOs & COs along with vision , mission following a due mechanism. This list is displayed in each class room and laboratories of the respective program. also, the list is available in the department

profile on the college website.

PROGRAM OUTCOMES (Common to all programs):

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in

multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive

clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply

these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in thebroadest context of technological change.

PROGRAM SPECIFIC OUTCOMES ( ECE-sample copy)

PSO1: The ECE Graduates will be equipped with Electronics, Microprocessor and Microcontroller based system design skills to becomeembedded system engineers.

PSO2: The ECE Graduates will be able to design and implement signal processing, communication systems and protocols.

PSO3: The ECE graduates will have knowledge from design flow to fabrication in areas of both Analog and Digital VLSI Design.

PSO4: The ECE graduates will be trained on Soft Skills, Aptitude and Attitude to work in industry/self employed/ become entrepreneurs.


COURSE OUTCOMES ( ECE-sample copy of one class)

CourseName: PTSP Year of Study : 2020-2021 Ist Semester

CO 1- By the end of the course student should be able to understand the concepts of basic probability and random variables.

CO 2- By the end of the course student should be albe to understand the concepts of Random Proecess and its Characteristics.

CO 3- By the end of the course student should be albe to apply the concept of LTI system for a Random Processes.

CO 4- By the end of the course student should be albe to determine the Spectral and temporal characteristics of Random Signals.

CO 5- By the end of the course student should be albe apply the concept of random process to noise in Communication systems.


Each faculty member prepares the academic plan for their respective courses at the very begining of the semester. POs, PSOs and COs are the partof this academic plan.These plans are uploaded on e-governance ( e-cap) portal. All the students have given assess to this portal. Apart from this,allPOs and PSOs are displayed at various locations at Department and Institute. The same are also made available on college website.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for Additional information | https://www.vbithyd.ac.in/about-ece-department/#1606546605011-c237e2ce-0d5e |
| Upload COs for all Programmes (exemplars from Glossary) | [View File](#) |

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

The following assessment methods are used for the assessment of Program Outcomes and Program Specific Outcomes: 1. Direct Assessment (80%) Assignment Internal Examination Semester end examination This process includes following three components 1. Assignment (5%): The students are assigned to solve several problems related to respective courses; one assignment per unit in the course. The assessment will be done based on their performance. 2. Internal Examination (20%): This type of performance assessment is carried out during the examination sessions which will be held twice in a semester. Each and every internal examination is focused in achieving the course outcomes. 3. Semester End Examination (75%): Semester End examination

comprising entire syllabus of the course is a measure for assessing whether the entire COs are attained or not

.2. Indirect Assessment (20%)

Students feed back Course Assessment Exit feed back Feed back from recruiters Event Feedback Description of Indirect Assessment:

Feed back from Students –

1. Online feed back about over all teaching performance of each faculty member allotted to the respective class will be conducted in the Internaldle of the semester. 2. Analysis of the feed back will be carried out by Internal Quality Assurance Cell (IQAC) and shared it with faculty members through HOD. 3. HOD and Principal will discuss in person with faculty members whose performance is not satisfactory. 4. Questions included in the feed back form will be mapped with concerned POs and attainment level of POs will be identified by DepartmentalAssessment Committee. Course Assessment – 1. At the end of the semester online assessment of learning of course outcomes for each subjects will be conducted. 2. Course Outcomes involved in the assessment process will be mapped with POs with indication of attainment level. Exit feed back – 1. The passing out batch of student will give feed back on various facilities provided to them and Teaching Learning parameters adopted during their stay in the college. 2. The questions involved in the feed back process are mapped with POs and PSOs with indication of attainment level. Feed back from Recruiters – 1. The recruiters will be provided with set of POs and PSOs of respective department . 2. Training and Placement Officer will identify the PO and PSOs attainment level based on weightage given by recruiters. Events Feedback: For the overall personality development of students and to make them technically sound institute and department have established various Activity Clubs under Student Activity Center (SAC) These clubs prepare their activity schedule at the beginning of semester. The main purpose of these activities is to inculcate moral and ethical values among students and also to nurture leadership qualities. Thus, such activities are instrumental in fulfilling certain Program Outcomes (POs).

The attainment levels in the range of 1 to 3 are decided by following ways: 1. Below 70% = Attainment level 1 2. Between 70% to 90% = Attainment level 2 3. Above 90% = Attainment level 3

| File Description | Documents |
|---|---|
| Upload any additional information | <u>View File</u> |
| Paste link for Additional information | <u>https://vbithyd.ac.in/about-cse-department/</u> |

**2.6.3 - Pass percentage of Students during the year**

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

**478**

| File Description | Documents |
|---|---|
| Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template) | <u>View File</u> |
| Upload any additional information | <u>View File</u> |
| Paste link for the annual report | <u>https://www.vbithyd.ac.in/student-hand-book/</u> |

**2.7 - Student Satisfaction Survey**

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

<u>https://www.vbithyd.ac.in/student-satisfaction-survey/</u>

**RESEARCH, INNOVATIONS AND EXTENSION**

**3.1 - Resource Mobilization for Research**

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

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

**1,50,000**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| e-copies of the grant award letters for sponsored research projects /endowments | View File |
| List of endowments / projects with details of grants(Data Template) | View File |

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

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

**3**

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

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

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

**2**

| File Description | Documents |
|---|---|
| List of research projects and funding details (Data Template) | View File |
| Any additional information | View File |
| Supporting document from Funding Agency | View File |
| Paste link to funding agency website | https://www.aicte-india.org/ |

**3.2 - Innovation Ecosystem**

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

**Innovation activities are at forefront of VBIT, Students are encouraged to be part of various activities which lead to**

innovations. Partnered with many industries and entrepreneur organizations to ramp up the innovative skills of the students by the way of Bootcamps, Hackathons, seminars by technical start up experts. Centralized facility for prototyping and product development through a startup eco system via Innovation, Incubation, Accelerator, Startup and Entrepreneur. Students are mentored right from their first year of engineering by successful entrepreneurs to ignite their innovative skills. As part of this facility exclusive IoT lab and 3D Printing Lab are established for prototyping and product building.

First Year Ideation Program

To ignite the innovative thoughts of the students interactive hands on workshops and seminars by industry experts and young entrepreneurs are being organized.

3D Printing Facility

Exclusive 3D Printing lab has been established to visualize the designed concepts of students.

IoT Laboratory

Exclusive IoT technology-based laboratory has been established for prototyping.

Four successful startups emerged out of this facility who turned as entrepreneurs.

Institute has Established Incubation center and Start up eco system in collaboration with the following organizations.

ISB-Technology Entrepreneurship Programme (TEP) is a one-year programme offered by the Indian School of Business, and is tailored specifically to build entrepreneurial orientation among young engineering students, to enable them to make the best of knowledge resources. The idea is to imbibe "business" skills to engineering college students and orient them towards entrepreneurship by imbibing "soft" business skills. The initiative also inculcates hard business skills to create and manage new ventures using design thinking and practical tools for translating engineering to commercial products.

T-Hub-T-Hub enables and empowers an ecosystem hungry for innovation. It leads India's pioneering innovation ecosystem that

powers next-generation products and new business models. It uses the Triple Helix model of innovation based on interaction and collaboration between industry, academia, and government. Provides over 1100+ national and international startups with access to better technology, talent, mentors, customers, corporates, investors and government agencies. T-Hub also provides thought leadership for Telangana and other state and central government organizations to build innovation ecosystems. It has elevated innovation for leading national and global corporates, transforming enterprise business models for better.

J-Hub-JNTUH has launched a University wide Innovation and R&D initiative J-Hub- JNTUH Innovation Hub envisioned to provide a unique platform for the graduating engineers, faculty, research scholars and alumni to pursue innovation, Applied Research and tech-entrepreneurship. The initiative will impact the quality, confidence and competitiveness of the students.

Centre of Excellence- Center of Excellence's are established by the industries to provide value addition to the students to enhance their technical skills.Various faculty development programs are conducted by industry experts to enhance faculty proficiency in a particular field of technology, students get opportunity to work in exclusive labs established by the industry to undergo global certifications and work on their academic projects.

Following are the Center of excellence's and exclusive laboratories established by industries.

Autodesk Fusion 360-Exclusive Mechanical Engineering Department Designing Studio laboratory, with course integration for second year students, global certification and training programs for pre final and final year students. Fusion 360 is a cloud-based CAD/CAM tool for collaborative product development. Fusion 360 enables exploration and iteration on product ideas and collaboration within distributed product development team. Fusion 360 combines organic shapes modelling, mechanical design and manufacturing in one comprehensive package.

Autodesk- REVIT-Students of Civil Engineering Department have exclusive access to this lab by the way of course integration, global certification and training programs and also for academic projects. Revit software is used to produce consistent, co-ordinated and complete model-based building designs and documentation. Automatically update floor plans, levels, sections

and 3D views. Use 3D visualizations to see a building before it's built.

Dell EMC-Computer Science Engineering and Information Technology branch of students get benefited by having trained and globally certified for enhanced job opportunities.The EMC Data Science and Big Data Analytics training will provide candidates hands-on experience on advanced SQL and MADlib for In-database analytics and advanced analytics methods such as K Means Clustering, Association Rules, Linear Regression, logistic regression and much more.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | [https://www.vbithyd.ac.in/about-iiic/](https://www.vbithyd.ac.in/about-iiic/) |

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

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

2

| File Description | Documents |
|---|---|
| Report of the event | [View File](#) |
| Any additional information | [View File](#) |
| List of workshops/seminars during last 5 years (Data Template) | [View File](#) |

## 3.3 - Research Publications and Awards

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

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

7

| File Description | Documents |
|---|---|
| URL to the research page on HEI website | https://www.vbithyd.ac.in/about-r-d/ |
| List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template) | View File |
| Any additional information | View File |

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

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

**32**

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

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

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

**56**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| List books and chapters edited volumes/ books published (Data Template) | View File |

**3.4 - Extension Activities**

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

**The institute promote institution-neighborhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students:**

The college has Dyuthi-NSS unit with a total strength of 250 members, affiliated to Jawaharlal Nehru technological University (JNTUH), Hyderabad.The unit was established in 2007 with an Objective to cultivate the attitude of social service in minds of students and to make them responsible citizens.

Street Cause, VBIT is an all student NGO with an aim to help underprivileged in the best way possible. It is a perfect platform for all thoseenthusiastic and passionate youngsters to do the little they can to bring about the desired change in the society. Street Cause (VBIT) has wonthe "Best Youth Organization Award"which include the prestigious Hyderabad Youth Assembly. Street Cause VBIT has received Appreciation Certificate from Tribal welfare Department, Government of Telangana for installing Solar Street Lights in Komanpenta and Kollampenta Chenchu habitations inside Nalla Malla Forest, NagarKurnool District.

ECO-CLUB of VBIT is a green initiative by the students of the college to create awareness about the importance of clean and healthy environment. "Clean and Green" is their motto. The club members conduct meetings at various places to explain the benefits of keeping theirsurroundings clean.

Women In Engineering (WIE ) is the affinity group associated with IEEE-VBIT SB which is a branch of professional society established during 2006.Under STAR program this group interacts regularly with the students in local community and makes them aware with basic technologies.for this unique activity, this group has awarded at International level.

Institute has received an award from Dr. Tamilsai Soundarajan, Honorable Governor of Telangana state for doing exemplary social activities in association with Samskruthi foundation.

Institutional mechanism to track student's involvement in various social movements / activities which promote citizenship roles:

There are committees of various activities like NSS, Eco club and street cause. The committees meet once in each semester and trackstudents involvement in various activities. They see to it that all the activities are functioning properly and lead to promotion of studentscitizenship roles.

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/street-cause-hyderabad/ |
| Upload any additional information | View File |

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

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

**4**

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

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

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

**11**

| File Description | Documents |
|---|---|
| Reports of the event organized | View File |
| Any additional information | View File |
| Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template) | View File |

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

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

**231**

| File Description | Documents |
|---|---|
| Report of the event | View File |
| Any additional information | View File |
| Number of students participating in extension activities with Govt. or NGO etc (Data Template) | View File |

**3.5 - Collaboration**

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

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

**39**

| File Description | Documents |
|---|---|
| e-copies of related Document | View File |
| Any additional information | View File |
| Details of Collaborative activities with institutions/industries for research, Faculty | View File |

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

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

**4**

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

## INFRASTRUCTURE AND LEARNING RESOURCES

## 4.1 - Physical Facilities

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

**Physical Facilities:**

**The policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning:**

**The promoter trust and Institute has clarity about the priorities and purpose while developing the Infrastructure. Following are the salient features of the policy:**

**1. There should be airy, adequate in size, acoustically well designed classrooms and laboratories**

**2. To make Teaching Learning process more effective there should be well equipped seminar halls, Auditorium, E-class rooms**

**3. Spacious and well designed library should support the process with inbuilt facilities like Digital library, AV class rooms, Reading halls etc.**

**4. To provide round the clock access to internet and e-services to students and faculty members.**

**5. To have a good play ground for various extra curricular activities**

**6. To provide with amenities like drinking water, canteen,**

transport, dispensary etc.

7. To have R&D Center to achieve the goals mentioned in the vision and mission statements of the Institute

8. Establishment of Incubation centers to make the students aware with high end technologies

9. To develop the Student Activity Center to nurture the leadership qualities among the students

10. There should not be any compromise about the standards of the equipments in various laboratories

11. There should be appropriate logistic support to various functional units of the Institute like-Administration, Academic section, IIIC ,R&D Center etc.

12. There should be a clear and transparent purchase policy to achieve the above mentioned goals

13. Year wise details of creation of various important facilities (other than Laboratories):

S.No.

Facility

Year

1

Separate block (Avishkar) for first year students

2007

2

Separate block (Prashasan) for

Administration and Central Library

2009

3

Separate block (Trupthi) for cafeteria

2009

4

Drishti (Board room) and

Athithi (Guest room)

2009

5

Establishment of well equipped health Centre

2010

6

Establishment of R&D Centre

2010

7

Student Activity Centre (SAC)

2010

8

Separate block (Nirmithi) for Mechanical Engineering

2011

9

Establishment of centralized computer labs(Total capacity-360 systems)along with

Computer Centre with 120 systems

2011

10

Establishment of Incubation Centers for ECE,EEE,CSE and IT Departments

2011

11

Creation of 4 well equipped AV classrooms in Central library

2012

12

Separate room for research scholars

2012

13

Up-gradation of facilities at Examination branch

2012

14

Creation of Basket ball court

2013

15

Renovation of central Auditorium (Chethana)

2013

16

Provision for IQAC set-up

2014

17

Separate block (Aakash) for Electronics and Communication Engineering & Civil Engg.

2015

18

Open stage in ground

2016

19

Nachiketha- hostel for boys

2017

20

Niveditha- hostel for girls

2017

21

Nalanda- Central Auditorium with 1000 capacity

2018

22

Exclusive setup for start ups

2019

23

Separate wing for IIIC

2019

Classrooms:

- The institution has sufficient number of well-furnished, well ventilated, spacious classrooms for conducting theory classes.
- Class Room are spacious and ergonomically designed so that

proper ventilation, lighting is provided with good acoustics.
- Better Aspect ratio is maintained for proper visibility of glass board and audibility. All the class rooms of individual departments are at close proximity in order to have better access for the students.

**Technology enabled learning rooms:**

- Each department in the college is provided with technology enabled classroom to facilitate engaged and active learning.
- Each room has a seating capacity of 60 and they are provided with comfortable seating.
- The Classrooms are also ideal for small seminars and workshops where the audio-visual facilities available help make presentations with a greater impact.

**Seminar Halls:**

- Each department in the college has separate seminal hall to conduct conferences, workshops and symposia for students and faculty.
- The main seminar hall, Nalanda, has a seating capacity of 1000 and is fully air conditioned. It is equipped with LCD projector, large screen and public addressing system for conducting project exhibition and Hackathons.

**Laboratories:**

- All laboratories are well equipped, and well maintained not only for carrying out curriculum-oriented lab practical but also to carry out research activities

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | https://vbithyd.ac.in/infrastructure/ |

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

Sports and games play a pivotal role in student's life and professional career. A student's educational journey does not end with his/her academic achievements alone, as sports and games happen to be an inseparable part of academic curriculum.

The College maintains a full fledged sports activity centre which provides the necessary facilities for conducting Sports and Games. The College has very good play fields for conducting outdoor games like, Basket Ball, Ball Badminton, Tennis, Cricket, Kabaddi, Hockey, Foot ball, Volley Ball and Athletics events.

Sports, outdoor and indoor games, gymnasium:

- VBIT believes in Swami Vivekananda's principle of 'a sound mind in a sound body'.
- Hence the college promotes sports and games and offers the individual an opportunity for all-round development by enhancing self-knowledge, expression, personal development, courage and social interaction.
- To develop team spirit, leadership qualities and organizing abilities among the students, Sports & Games meets are organized regularly in the college. Students of all departments participate and prove their talents.
- Two full time qualified Physical Directors were appointed to look after the day-to-day games and sports activities of the college
- The outdoor games such as basketball, ball-badminton, volley ball, cricket, tennicoit etc. are also provided.
- A permanent basketball court laid with R.C.C. slab is provided.
- A separate indoor games facility for playing shuttle, caroms and chess, is provided and it is being used by the students regularly.

Available Facilities:

S.No.

**Sport/Game**

**No. of Courts**

**Area**

**Facilities**

**1**

**Tennikoit Court**

**2**

**40 feet X 18 feet**

**Tennis Rings – 10**

**2**

**Throw Ball**

**1**

**60 feet X 40 feet**

**Throw balls – 2**

**3**

**Basket Ball**

**1**

**94 feet X 50 feet**

**Basket balls- 4**

**4**

**Volley Ball**

2

18 Mts X 9 mts

Volley Balls – 12

5

Shuttle

1

44 feet X 20 feet

Shuttle rackets- 16

Nets – 4

6

Running Track

1

200 mts

Shotput-2,Discus Throw2,Javalin-2 and Long jump pit

7

Table Tennis

2(Boards)

-

Bats – 6

Balls – 20

8

Caroms

5 (Boards)

Coins – 6 sets

9

Foot Ball

1

100X80mts

Balls-2

10

Hockey

1

90x60 mts

11

Cricket field

1

69 yds

Kit

12

Chess

10

–

**Sets - 10**

**13**

**Cricket Nets**

**2**

**22X5 yds**

**-**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | https://vbithyd.ac.in/sports/ |

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

**85**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | https://vbithyd.ac.in/infrastructure/ |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File |

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

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

**158275217**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Upload audited utilization statements | View File |
| Upload Details of budget allocation, excluding salary during the year (Data Template | View File |

## 4.2 - Library as a Learning Resource

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

**Value added services in Library:**

**To meet the contemporary needs of the users, the following value added services are offered:**

**1. Circulation Services**

**2. OPAC**

**3. A/V Class rooms**

**4. Inter Library Loan**

**5. Internet/Intranet Services**

**6. Reference Services**

**7. Reprography Services**

**8. e-Resources**

**9. Online e-journals**

**10. Open Source Resources**

**11. Question bank**

**12. Discussion Rooms**

**Library Area Division and measurements:**

    o

&#9675;

**Area in Sqm**

   **1.**

**Baggage Room**

**33.00**

   **1.**

**Reprographic Facilities**

**33.00**

   **1.**

**Digital Library**

**60.00**

   **1.**

**Reading Halls**

**1567.00**

   **1.**

**Stack Area for Books**

**862.20**

   **1.**

**Discussion rooms-1**

**20.00**

   **1.**

**Discussion rooms-2**

**20.00**

1.

Discussion rooms-3

20.00

1.

Audio Visual Rooms-1

16.00

1.

Audio Visual Rooms-2

16.00

1.

Audio Visual Rooms-3

33.00

1.

Audio Visual Rooms-4

33.00

Number of Titles : 8082

Number of Volumes : 50346

Print Journals : 164

Reference Books : 5850

Library Automation : Library maintenance is computerized and barcoding technology is used. Library books areclassified as per dewey decimal classification.

e-Books :14000

e-Journals :175 (IEEE Package)

Back Volumes of :72

Project Reports :2254

Digital Library

Number of Computers :25 with multimedia and Internet facility

Broad Band internet Connectivity: 10 Mbps

Library Server : DELTA-R5 Server with 6TB SAN

storage scalable up to 12TB, 16GB

RAM scalable up to 64GB

Discussion Rooms : 03 (for start-stop mode of e-learning)

Video Projection Room : 04

Satellite Enabled Sources : EKLAVYA and EDUSAT

E-Learning Material : 8000 Hours of NPTEL Video Courses

on 200 subjects

NPTEL Web Courses on 129 subjects

300 Hours of MIT Video Lectures

300 Hours of Stanford Video Lectures

100 Hours of Harvard Video Lectures


IEEE journals

Details


2021-22

2020-21

2019-20

2018-19

Engineering & Technology

And

MBA

1.IEEE 175

e-journals

2.INFLIBNET N-List

14000 Engineering Related e-books)

1.IEEE 175

e-journals

2.INFLIBNET N-List

14000 Engineering Related e-books)

1.IEEE 175

e-journals

2.INFLIBNET N-List

14000 Engineering Related e-books)

1.IEEE 175

e-journals

N-List

14000 Engineering Related e-books

E-Resourced details:

Availability of Digital Library contents

YES

Details

1. NPTEL Video Lectures

2. 14000E-books through INFLIBNET N-List

3. CDs and DVDs 3360

Availability of an exclusive Server

YES

Availability over Intranet/Internet

YES

Availability exclusive Space/Room

YES

LIBRARY HOLDINGS

2021-22

2020-21

2019-20

2018-19

Number

Total Cost

Number

Total Cost

Number

Total Cost

Number

**Total Cost**

**Text books**

**411**

**227434**

**673**

**27990**

**986**

**464861**

**1032**

**510993**

**Reference books**

**Journals/ Periodicals**

**164**

**330588**

**150**

**329271**

**166**

**330945**

**152**

**323827**

**e-resources**

**IEEE**

**567006**

**IEEE**

**542322**

**IEEE**

**544965**

**IEEE**

**373920**

**e-books**

**N-LIST**

**5900**

**N- LIST**

**5900**

**N-LIST**

**5900**

**N-LIST**

**5900**

**Digital Library**

**S.no**

**Description**

**Particulars**

**01**

**Availability of Digital Library Contents**

**Yes NPTEL Video Lessons e-books, Previous question papers, Tutorials.**

02

Number of Courses

CSE, ECE ,EEE, IT, Mech, Civil,MBA&M.Tech (EPE, EPS, CS, CSE, EMBED, CAD/CAM)

03

Number of E-books

14000

04

Availability of Exclusive server

Yes

05

Availability of Internet/Intranet

Yes

06

Availability of Exclusive space/room for DL

Yes

07

Number of Users per Day

165

Journals: recourses and list

1. IEEE EXPLORE DIGITAL LIBRARY
(http://ieeexplore.ieee.org/Xplore/home.jsp)

(Under AICTE INDEST Consortium)

Access over 157 e-journals of IEEE Journals related to all the engineering branches.

2. UGC-N-LIST e-journal Consortium

National Library and Information Services Infrastructure for Scholarly Content (N-LIST) is an initiative of Ministry of Human Resource Development (MHRD) under the NME-ICT. It is funded by UGC, as a college component under UGC – Infonet Digital Library Consortium. Click here forNational Library and Information Services Infrastructure for Scholarly Content (N-LIST)website.

About NLIST:The Project entitled "National Library and Information Services Infrastructure for Scholarly Content (N-LIST)", being jointly executed by the UGC-INFONET Digital Library Consortium, INFLIBNET Centre and the INDEST-AICTE Consortium, IIT Delhi provides for i) cross-subscription to e-resources subscribed by the two Consortia, i.e. subscription to INDEST-AICTE resources for universities and UGCINFONET resources for technical institutions; and ii) access to selected e-resources to colleges. The N-LIST project provides access to e-resources to students, researchers and faculty from colleges and other beneficiary institutions through server(s) installed at the INFLIBNET Centre. The authorized users from colleges can now access e-resources and download articles required by them directly from the publisher's website once they are duly authenticated as authorized users through servers deployed at the INFLIBNET Centre.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File]() |
| Paste link for Additional Information | https://vbithydlibrary.pbworks.com/w/page/68543979/VBIT%20LIBRARY |

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

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

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

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

**1100400**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Audited statements of accounts | View File |
| Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template) | View File |

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

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

**109**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Details of library usage by teachers and students | View File |

**4.3 - IT Infrastructure**

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

**Lab wise distribution of Computer Systems**

**Distribution of Computer Systems**

**Lab Name**

**Dept**

**No System**

**Computer Lab-01**

**CSE**

**30**

**Computer Lab-02**

**CSE**

**30**

**Computer Lab-03**

**CSE**

**30**

**Computer Lab-04**

**CSE**

**30**

**Computer Lab-05**

**IT**

**30**

**Computer Lab-06**

IT

30

Computer Lab-07

CSE

30

Computer Lab-08

CSE

30

Computer Lab-09

MECH & CIVIL

30

Computer Lab-10

EEE

30

Computer Lab-11

ECE

30

Computer Lab-12

ECE

30

Computer Lab-13

EEE

30

Computer Lab-14

EEE

30

Common Computer Centre

CCC

30

Common Computer Centre ( IT WORKSHOP)

CSE

30

Computer Lab-15 (C & D S Lab)

H&S

61

Computer Lab-16 (C & D S Lab)

H&S

61

I o T Lab

CSE & IT

30

Micro Processors Lab

ECE

35

VLSI LAB

ECE

35

Robotics Lab

EEE & ECE

60

English Language Communication Skills Lab

H&S

61

Advanced English Communication Skills Lab

H&S

31

Digital Library

Lib

23

26 Computer Center Server Room

CSE

10

27 R&D Lab

R&D

40

28 Laptop

CSE

2

29 Indo English Lab

H&S

1

30 Metallurgy Lab

Mech

1

31 CNC Lab

Mech

1

32 LCD Projector System

22

33 Ecap Server Room

Admin

2

34 Purchase Room

Admin

6

35 Placement

T& P

3

36 HOD & Clerks

Admin

80

37 Maintenance

35

Total

1080

1. Computer-student ratio

UG - 1 : 6

PG - 1 : 4

3.LAN facility

All computing labs are provided with LAN facility

4.Wi-Fi facility:

**Wi – Fi facility is available in the Institute.**

**5.Licensed Software**

**Department**

**Licensed Software**

**Civil Engineering**

**Ansys 14.0, Window7, Autodesk Inventor Series 6**

**Electrical and**

**Electronics**

**Multisim 2001, Scilab, Pspices, Kiel, Ubuntu 13.04, MASM**

**Engineering**

**Mechanical**

**Engineering**

**Ansys 14.0, Window7, Autodesk Inventor Series 6, Algor Nastran Edge Cam, Proge CAD Professional**

**Solid Edge, Pro E Wildfire 3.0**

**Electronics and Communication**

**Engineering**

**TMS 320C6000TM DSP, CCS (Full Version) V-**

**2P0(Including Simulator), Kiel, Ubuntu 13.4, Octave, NS2, PCB Design, Eagle, PSOC Design Software, Mvision 2, Multisim, Xilinx, Masam , Actove VHDL**

Computer Science and Engg.

Microsoft Dreamspark Premium,Windows Client,Windows Server ,Visual Studio Professional,Visual Studio Premium,Visual Studio Ultimate , Expressions,Windows Embedded,SQL Server,BizTalk Server,SharePoint Server, Oracle 10g Release 2 for Linux (open License), Oracle 10g, MYSQL, Cobol, Borland Turbo C++, Putty, Star Uml, Win Runner, Qtp, Net Beans, Java , Apache Tomcat, Oracle Express Edition, Adobe Reader, Mozilla Fire fox, WEKS, WINZIP, WIN RAR , Quick ?Heal total Security, Microsoft Office-2000, Suse, Linux Suite, Linux 7.2(pro), Fedora 17, Ubuntu ,Windows 98, Windows XP, Window7, Windows2008 Server ,

Windows 2008 Client


Information Technology

Microsoft Dreamspark Premium,Windows Client,Windows Server ,Visual Studio Professional,Visual Studio Premium,Visual Studio Ultimate , Expressions,Windows Embedded,SQL Server,BizTalk Server,SharePoint Server, Oracle 10g Release 2 for Linux (open License), Oracle 10g, MYSQL, Cobol, Borland Turbo C++, Putty, Star Uml, WinRunner, Qtp , Net Beans, Java , Apache Tomcat, Oracle Express Edition, Adobe Reader, Mozilla Fire fox, WEKS, WINZIP, WIN RAR , Quick ?Heal total Security, Microsoft Office-2000, Suse, Linux Suite, Linux 7.2(pro), Fedora 17, Ubuntu ,Windows 98, Windows XP, Window7, Windows2008 Server ,

Windows 2008 Client

Basic Sciences and

Humanities

English Language Lab, Career Lab (Digital Mentor) Aptitude Lab, Foundation Course in Communication Skills from APSCHE, K-van Multimedia English

Language Lab, Globarena E-Monitoring Systems (GEMS)

**6. Number of nodes/ computers with Internet facility**

**All the systems are provided with internet connectivity**

**Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus:**

**Institute is having spacious computer Center with 60 systems connected with Internet facility and is available for both faculty and students through out the day**

**All the Departmental computers are provided with internet facility**

**Central library has a separate digital section with 25 systems with internet facility**

**The College provides internet facility to staff members at the respective Departments in order to access the required study material from available e-resources and present them as part of their teaching process.**

**The Principal's Office, Administrative Office, Examination Section, Training and Placement Cell and Senior Faculty member cabins are provided with internet facility**

**Wi-Fi connectivity is available at 10 selected zones in and around the campus**

**Un-interrupted power supply is made available in the campus so that the students and staff can access the internet without any interruption**

**Specifications:**

**Internet Provider: VAINAVI Broad Band Ltd., APOLLO Services ltd Total Band width: 1GBPS + 100Mbps broad band leased line connections.**

The institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities: Institute has nominated sr. faculty in the Dept. of CSE as in charge of computational facilities

A team of well experienced 5 system administrators and 30 programmers is working to maintain the computational facilities with a proper distribution of work among them

Every system has an identification number fir better administration and maintaince Institute has created a systematic mechanism for maintaince/up gradation of the systems

Once computational facilities In charge receives the request slip regarding maintaince/up gradation work from the Department he assigns the same to concerned system administrator and tracks the progress of undergoing work. He also maintain up to date record of work done

Computer systems are upgraded with latest configuration once in Three years.

Adequate provision is made available in the annual budgets for the procurement of the computer systems, as per the requiremen

Computer center is provided with four servers of different capacities to cater the computer requirements. All the servers are in AMC with respective service providers and are maintained regularly.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](View File) |
| Paste link for additional information | https://vbithyd.ac.in/internet/ |

## 4.3.2 - Number of Computers

1080

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| List of Computers | View File |

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

| File Description | Documents |
|---|---|
| Upload any additional Information | View File |
| Details of available bandwidth of internet connection in the Institution | View File |

## 4.4 - Maintenance of Campus Infrastructure

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

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

**44703934**

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

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

**Institute reserve approximately 7-10% (of the cost of instruments) budget for the purpose of maintenance and upkeep of the facilities like building, furniture, equipment, computers, vehicles, sewage , environment etc.**

**Following Central facilities are being monitored centrally:**

1. Library
2. Internet
3. Canteen
4. Hostel
5. Transport
6. Maintenance
7. Health Centre

A monthly meeting of In-Charges of above facilities is conducted to review the functioning of each facility. Attempts are made to make all these facilities more and more effectively and student friendly.

I/c. Central facilities

Dr.N.Satyanarayana, Registrar

I/c. Website

Mr. D.K.M.Sharma, Associate Professor of English, H&S Mr. D.Srinivas Goud, CSE

I/c. Computer Centre

Mr. P. Praveen, CSE

Mr. Krishna , Sr. Sys. Admin.

I/c. Electricity

Mr. P.Narasimha Rao, Estate Manager

Mr.Venkatesh, Electrician

I/c. Transport

Mr. K.Naresh Kumar, Asst. Prof.,H&S

Mr. G.Ramesh, Transport i/c

I/c. Canteen

Dr.N.Satyanarayana, Registrar

Mr. K.Naresh Kumar, Asst. Prof.,H&S

I/c. Health Centre

Mrs. K.Rajamouli, Boys hostel warden

I/c. Hostel

Mr.Hemanth Reddy & Ms.N.Pushpa

**Building Hygiene:**

Sweepers and a supervisor are allotted for a particular area. All the sweepers are required to sign in the register at the supervisor to confirm that he/she has done the duty. The supervisor should attest the same.

**Duties of Sweepers:**

- Cleaning of class rooms, corridors, floor cleaning of laboratories, staff rooms, hostel rooms, corridors and other areas allotted.
- Dusting of furniture and windows in the class rooms and also cleaning of glass boards.

(However, dusting of departmental furniture/equipment/machines shall be done by department attenders and lab technicians.)

- Swabbing of corridors
- Clearing cobwebs in the corridors, class rooms and other areas, except department labs.
- Supervisors shall personally monitor the work and lock the class rooms after he is satisfied with the work

## Laboratories – Maintenance & Utilization:

- Preventive maintenance is followed.
- Periodical checkups and calibration of equipment in all laboratories to make sure smooth conduct of all the lab hours.
- Depending on the experiment, one, two or a maximum of three students perform a single experiment with common set of apparatus.
- Additional experiments are designed to utilize all the equipment available in the lab.
- Stock verification is being conducted in all laboratories every year.

## Computing Facilities-Maintenance & Utilization:

- Computing facilities are provided as per the AICTE norms, even extra computers are provided to meet the practical requirements.
- Internet connectivity with a total of 1GB Mbps band width is provided.
- All the computer systems in the college are on LAN with OFC backbone.
- Computing facilities are made available to the students for at least 8 hours a day and Wi-Fi enabled facility shall be provided.
- The number of computers to be made available will be as per the requirements.
- A team of technicians with a faculty in-charge takes care for the maintenance of computers.
- Necessary Licensed software is procured.
- Servers like LINUX, WINDOWS, Web Servers, Database etc., are provided.
- Additional projects are taken up by the students for optimum

utilization of the facilities.

**Library:**

- Library is maintained and monitored by Library Advisory Committee.
- Library maintenance is computerized and automated with regular/constant up-keeping
- Regular swabbing of the Library floors, regular cleaning of the racks, up-keeping the quality of the books with needed binding are in place

**Solar Power:**

Green Power @VBIT-Solar Power Plant of 160KWp Capacity – Roof top Grid-Interactive Solar Photovoltaic System was installed in the campus

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | [https://vbithyd.ac.in/solar-power-plant-of-160kwp-capacity/](https://vbithyd.ac.in/solar-power-plant-of-160kwp-capacity/) |

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

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

718

| File Description | Documents |
|---|---|
| Upload self attested letter with the list of students sanctioned scholarship | View File |
| Upload any additional information | View File |
| Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template) | View File |

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

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

**237**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template) | View File |

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

| File Description | Documents |
|---|---|
| Link to Institutional website | https://vbithyd.ac.in/crt-assessment-platforms/ |
| Any additional information | View File |
| Details of capability building and skills enhancement initiatives (Data Template) | View File |

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

`700`

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

`700`

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

| **5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees** | `A. All of the above` |
|---|---|

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

**5.2 - Student Progression**

**5.2.1 - Number of placement of outgoing students during the year**

**5.2.1.1 - Number of outgoing students placed during the year**

**603**

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

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

**5.2.2.1 - Number of outgoing student progression to higher education**

**97**

| File Description | Documents |
|---|---|
| Upload supporting data for student/alumni | View File |
| Any additional information | View File |
| Details of student progression to higher education | View File |

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

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

**106**

| File Description | Documents |
|---|---|
| Upload supporting data for the same | View File |
| Any additional information | View File |
| Number of students qualifying in state/ national/ international level examinations during the year (Data Template) | View File |

**5.3 - Student Participation and Activities**

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

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

1

| File Description | Documents |
|---|---|
| e-copies of award letters and certificates | View File |
| Any additional information | View File |
| Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template) | View File |

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

The policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc:

1. Establishment of Student Activity Center (SAC)

College has established 22 student forums under Student Activity Center (SAC). SAC is having the following facilities:

- Separate bank account for each forum
- Exclusive faculty coordinator for each forum
- Exclusive meeting room with LCD, AC, Computer systems and Wi-fi connectivity
- Exclusive supporting staff

Professional Societies:

1. IEEE Student Branch established in 2006

2. IETE Student Forum established in 2008

3. SAE Student forum established in 2018

4. IGBC Student forum established in 2020

**Branch Associations:**

The following are the Branch Associations of the Institute along with the years of their formation.

- CSE Branch Association (CINE): 2008
- ECE Branch Association: 2008
- IT Branch Association: 2008
- EEE Branch Association: 2008
- ME Branch Association: 2011
- Civil Engineering Branch Association: 2014
- Management Aptitude Club: 2006

**Academic Forums:**

- Ganith- The Mathematics Club
- Coding Studio
- Design Arena
- Institute of Student Engineers
- Epsilon Pi Club
- Srishti- The Literature club

**Cocurricular Forums:**

- Aashay- The Film Club
- Virinchi- The Cultural Club
- Stutalk- College magazine
- Chitrika- The Photography club
- Vibha- Annual Fest club
- Swayam
- Eco Club
- Robotics club

**Extra Curricular Forums:**

- Dyuthi- NSS Club
- Street Cause VBIT
- Sports club
- Odyssey- The Arts club
- Model United Nations Club

Participatory Reporting Assessment (PRA): Being an autonomous Institution, VBIT facilitates students participation in various administrative, Cocurricular and extra curricular activities through Participatory Reporting Assessment (PRA) · PRA contributes to 10% of the final evaluation of the course. The student is evaluated based on the selected topic of the course and the observations made on the report. · PRATIBHA- Participatory Report Assessment of Theme and InnovationBased Harmonic Activities. · Based on the type of the course offered, PRA activity can be of two types: i. The students are mandated to participate in any of the relevant activities and prepare a Report by the end of the semester for which 10% of the total evaluation component is assessed. ii. Activities like field visits, questionnaires/case studies collected by the students from an industry expert, real-world observations, recent trends on the relevant course, Interview of the experts, review of related reference books, documentary, video preparation, presentation, prototype design etc. · The students are mandated to participate in a prescribed short-term Value-Added Program (VAP) designed by the faculty and need to submit the certificate on completion of the course. · The evaluation of the student should be based on the report prepared as part of the PRA requirements or by the submission of VAP certificate. · A committee constituted by the Principal comprises of Head of the department, Academic Coordinator, Senior faculty of the department and subject teachers of the semester shall evaluate the PRA in two phases. In first phase, during first two weeks of commencement of class work the committee scrutinize the proposals submitted by the students and in the second phase at the end of the semester the submitted reports will be evaluated and award marks. These marks will be considered in the Continuous Internal Evaluation (CIE).

Fulfillment of requirement:

- Due consideration in respect of attendance for students participating in important literary, cultural or sports events outside the college.Provision of sports kit/sport uniform to all the participants

- Conducts inter collegiate tournaments, cultural competitions by organizing state level fest known as AVISHKAR, AAKAR and VIBHAevery year.
- Conducts coaching camps to enhance their capabilities in sports and games events.
- Honoring all the winners/JNTUH team members with special appreciation on annual day
- Various "Awards" are given in the tournaments and competitions conducted in and outside the college
- College provides sports uniform to all the students participating in the inter-collegiate/inter University events
- Provides Sports Track Suit to students for participating in major tournaments.
- Encourages participation in inter collegiate tournaments conducted in Volleyball, Basketball, Tennis, Table-Tennis, Athletics etc.,
- Presents merit certificates and mementoes to winners and runners in intramural competitions for boys & girls at College Annual Sports Daycelebrations.
- Encourages participation in co-curricular activities.
- Provides TA, DA to students participating in extracurricular and co- curricular activities such as sports, games, Quiz competitions, debates,cultural activities etc.

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/sac-policy/ |
| Upload any additional information | View File |

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

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

**1220**

| File Description | Documents |
|---|---|
| Report of the event | View File |
| Upload any additional information | View File |
| Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template) | View File |

## 5.4 - Alumni Engagement

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

VBIT Alumni Association (Reg. No. 462/2013)

The greatness of the institute lies in spreading their students throughout the world. It is also important that the institute keeps student and faculty family in a closed net so that the knowledge is shared all the time and in future times to come. The institutional strength gets multiplied through this global net with the support provided. V.B.I.T believes this concept and hence building its Alumni.

The students from abroad/other parts of the country are sharing their strengths to the institution with full affinity. In order to keep all the strings in the proper form couple of smart faculty and students were identified as a Alumni team leads with an E-mail link for correspondence on 24/7 basis.

The institute has excellent database for Alumni and all for its functions. An exclusive application -DISHA has been launched for Alumni registration.

The E-mail link is E-mail ID: alumini@vbithyd.ac.in

Alumni meet is conducted once in a year. A profile book of Alumni is being released every year. During pandemic period, an online alumni meet was organized.

**Alumni Contribution:**

**Periodic interactions with alumni are organized by various student forums. The suggestions given by alumni play an important role while designing the policies at different levels.**

**Institution network and collaboration with the Alumni :**

**Institute has a registered Alumni Association, which conducts an annual meeting**

**The members of Alumni Association regularly interacts with Principal, Director- student Affairs & IIIC Director regarding the need of the Institute andtheir expectations from alumni**

**The members of college administration and the senior faculty of all the departments participate in the annual or semi-annual alumni meetingson invitation and seek their advice and support for the development of the institution.**

**The Departments seek the opinion / suggestions of alumni on various developmental activities by sending mails to them and requesting themto fill the pro forma supplied in this regard.**

**An alumni portal is created in the college website for better interaction between the college and alumni.The members of various professional bodies and technical forums invite alumnus in workshops and seminars as resource persons**

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/alumni-association/ |
| Upload any additional information | View File |

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

| File Description | Documents |
|---|---|
| Upload any additional information | View File |

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

Institutional Vision and Leadership:

Vision:

To emerge as a premier institution for technical education in the country through academic excellence and to be recognized as a Center for Excellence in Research & Development, catering to the needs of our country.

Mission:

To establish a strong institution by consistently maintaining state of the art infrastructure and building a cohesive world class team by providing need based technical education and promoting Research and Development through enhanced Industry Interaction.

Distinctive Characteristics of the college:

The governance of the institution is reflective of an effective leadership in tune with the vision andmission of the institution:

- Continuous improvement of performance through systematic monitoring and upgrading all aspects of student-centric Teaching – Learning process.
- A series of student centric activities through 22 forums working under Student Activity Centre (SAC)
- Provision of traditional and e-learning opportunities for the students and faculty alike.
- Spending on infrastructural and learning facilities being treated as investment not as expenditure.
- Arrangement of special coaching for rural students to improve their communication skills
- Designing of various short term courses and value added

programs to promote the concept of "learning beyond the syllabus".

- Provision of motivating working conditions and motivational incentives
- Organising various activities like subject coaching, vocational training, health camps, survey in nearby villages to connect the students with social realities
- Conducting eco friendly activities in college and community to promote the environmental awareness
- Organization of consistent and regular oration lectures towards faculty development.
- Honoring eminent scientists and appreciating faculty members for their contribution towards Research and Development activities on the occasion of Engineers Day & Science Day every year
- Establishment of R&D wing with special collaboration of Indian Space Research Organisation (ISRO). & NARL, Gadanki

**Vision for the future:**

- To promote Research and Development activities with special emphasis on the "Emerging Technologies" and "Interdisciplinary areas".
- To promote symbiosis with the neighboring industries and chalk out programmes for the mutual benefit.
- To promote various technical and skill based schemes in neighboring villages to uplift the underprivileged section of the society and through these activities inculcate a strong social commitment in budding Engineers

**The role of top management in design and implementation of its quality policy and plans:**

- The institution, Vignana Bharathi Institute of Technology is sponsored and governed by the SVET (Swami Vivekananda Educationa lTrust). The college is governed by well defined Quality Charter.
- In this institute, Policies and plans are being formulated collaboratively by staff, principal and management together to ensure effective implementation of the same.
- Being the head of the institution, principal provides requisite leadership to the system.

- The visionary founders Dr N. Goutham Rao (Chairman), Dr G. Manohar Reddy (Secretary) and Dr K.K.V.Sharma (Treasurer) with their missionary zeal have successfully transformed VBIT into a model Technical Institution.
- The Chairman keeps on meeting the college staff and students to update himself about the college activities and to know their future aspirations.
- The college has a 13 member Governing Body (GB) comprising of eminent personalities as members from UGC,industry, academics, university nominees etc., Two faculty members, in the capacity of faculty representatives, are members of the Governing Body and they are actively involved in the decision-making process to sustain and enhance quality of education imparted by the institution.
- The Principal ensures that all provisions of the University bye-laws, the Statutes and the regulations are observed. He also convenes meetings of the Governing Body, Academic Council , Board of studies & Finance Committee
- The Members of the Management are accessible to the faculty to present their views and ideas. The Principal provides academic leadership and in association with the various committees, evolves strategies for academic growth.
- Various committees like center facilities committee, library committee, disciplinary committee, Students Activity Centre (SAC)etc., have been created for a smooth function of the institute. The conveners of these committees hold periodic meetings. The recommendations of the conveners of the Committees are submitted to the Managing Committee through Principal's office and the Management arrives at suitable decisions for implementation

The involvement of the leadership:

- The policy statements and action plans for fulfillment of the stated mission
- Formulation of action plans for all operations and incorporation of the same into the Institutional strategic plan
- Interaction with stakeholders
- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders
- Reinforcing the culture of excellence

- Due involvement has been exhibited by the leadership in the arrangement of feed back responses from students, parents (through parents 'meet) and other stake holders on quality related processes.
- Arranging the visits of eminent people to the college for sharing their knowledge with students and faculty and also taking their advice for organizational effectiveness.
- The authorities gather information about the various aspects of College functioning through a number of ways like alumni meet, recruiters feedback etc.,
- The feedback received from all stakeholders will be critically reviewed; analyzed and remedial actions will be initiated. The management encourages the participation of the staff in the process of decision-making in institutional functioning.
- The personal interaction of the Principal with various stakeholders, the faculty, the non teaching staff, the students, the guardians play an important role in this. This apart, information available in student feedback forms and information available in self-appraisal forms of teachers help the authorities plan proper support for the policies.
- The Leadership also involve in Proper functioning of Internal Quality Assurance Cell (IQAC) and Board of Studies (BoS) which are backbone of Academic environment of the college

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/governing-body/ |
| Upload any additional information | View File |

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

Governing Body:

The Governing Body is the apex authority in making all major decisions in the college. It mainly formulates policies and guides the Institution in reaching its academic goals. The Governing Body convenes meetings twice in a year to discuss various matters pertaining to the betterment of Institution.

Role & Responsibilities:

1. To provide necessary guidance and support to refine the academic standards year after year.
2. To approve new programmes of study.
3. To recruit teaching faculty in accordance with the norms laid down by the apex educational bodies and the government.
4. To approve the annual budget of the college.
5. To institute awards, fellowships, scholarships and certificates for the students.
6. To perform any other function and constitute committees as maybe deemed necessary in the best interest of the college

**Academic Council:**

**Role & Responsibilities:**

1. To frame, modify or repeal regulations for courses and curriculum, instructional methods and scheme of examination and other academic regulations on the advice of the Boards of Studies or other adhoc committees it may set up.
2. To determine, modify or repeal the schemes of examination and evaluation and procedures thereof, determine attendance, passing and classification requirements, establish procedures *for condonation, re-examination, review, supplementary appearance and grading on the recommendation of the Board of Studies.
3. To make recommendation to and advise the Governing Body on all academic matters.
4. To make proposals to the Governing Body related to development of facilities (equipment, building, staff and library), the priorities of research, setting up of new departments, and industry-institution interaction.
5. To appoint a Standing Committee consisting of the Heads of Departments/Faculty and such other members of the Academic Council and delegate to it such of its powers as it may deem fit.
6. Recommend (to the Governing body) Institution of Scholarships, Studentship, fellowships, prizes and medals and to frame regulations for the award of the same.
7. To inform the Governing Body all the decisions taken by it and programmes implemented by it.
8. To appoint any adhoc committee and to delegate any of its powers to its Chairman.
9. To perform such others functions as may be assigned by the Governing Body.

**Board of Studies (BoS) - Department wise:**

The BoS committee of each branch comprises a team of all the senior faculty members in the Department having HoD as Chairman, two experts each from Academia, Industry and Alumni.

The committee shall meet once in a semester or as and when it is required (AWR).

**Role & Responsibilities:**

1. To upgrade syllabus by keeping a close eye from the industry needs, especially in the emerging areas.
2. Improvising the existing syllabus as per the current needs of the industry.

S.No.

Members

1.

Head of the Department

1.

JNTUH Nominee

1.

Two representatives from Academia

1.

One representative from Industry

1.

Senior faculty members of the Department

1.

One representative from Alumni

**Finance Committee:**

**Role & Responsibilities:**

1. The annual accounts and financial estimates of the Institute shall be placed before the Finance Committee for scrutiny and thereafter submitted to the Governing Body together with the comments of the Finance Committee for approval.
2. The Finance Committee shall fix limits of the total recurring expenditure and the total non-recurring expenditure for the year based on the income and resources of the Institute. No expenditure shall be incurred by the Institute in excess of the limits so fixed.
3. No expenditure other than that provided in the budget shall be incurred by the Institute without the approval of the Finance Committee.
4. To provide the financial estimates in respect of building and other infrastructural facilities that are planned to be provided based on the recommendations of Institute Development Committee.
5. To estimate the income from fees and other sources.
6. To estimate the fund received from UGC/AICTE/any other funding agency.
7. To prepare plan of expenditure for running of the institution on day to day basis.
8. To scrutinize the budget submitted by the different depts. and monitor the utilization of department's budget.
9. To propose the budget for the financial year for the departments and the institute.
10. To consider audited accounts of the Institute and submit the audited accounts to GC.
11. To make recommendations to the Governing Body for the following to:

i. To advise the Governing Body on all financial matters.

ii. To scrutinize the budget submitted by the different departments and monitor the utilization of department budget.

iii. To propose the budget for the financial year for the departments and institute

iv. To consider and submit the audited accounts

**Directors:**

**i) Director – Academic Planning**

**ii) Director – Internal Quality Assurance Cell (IQAC)**

**iii) Director – Student Activity Centre (SAC)**

**iv)Director – Research and Development (R&D)**

**FUNCTIONS OF DIRECTORATES:**

**i) Director – Academic Planning**

- Planning & monitoring of effective teaching learning process.
- Preparation of Academic Calendar
- Preparation of Academic Regulations
- Monitoring with departments in the preparation of Course strcucture
- Mentoring and Attendance.
- Preparation of RACHANA- The Academic Audit
- Monitoring of Participatory Reporting Assessment (PRA)
- Tutorial, Assignment, Seminar, Audio Visual classes & other academic activities.
- Course Material file.
- Projects –execution & evaluation process.
- Library.
- Academic toppers list and awards.
- Lab records and manuals.

**ii) Director – Internal Quality Assurance Cell (IQAC)**

- New methodologies for effective Teaching-Learning process.
- Overall assessment of all activities & continuous feedback process.
- Annual planning & review meetings.
- Training, placement & Industry Institute interaction.
- Effective e-governance, e-Documentation & website.
- All inspections and reports etc.
- Planning & records of various meetings. (GB,AC,BoS, FC etc)
- Student friendly, transparent & effective administration.
- Feedback from students & other stakeholders.
- Optimum use of computational & other facilities.
- New proposals (projects/programs)- information &

coordination.

**iii)Director – Research and Development (R&D)**

- **Submission of various projects/program proposals to various agencies.**

- **Monthly presentations**
- **Participation of faculty members in quality improvement programs.**
- **Faculty pursuing Ph.D. – progress assessment.**
- **Smooth functioning of projects.**
- **Student entrepreneurship in National/ State organizations.**

**iv) Director – Student Activity Centre (SAC)**

- **All SAC forums activities- Planning, execution & documentation.**
- **More thrust on technical activities through professional bodies like IEEE, IETE & SAE**
- **Student's participation in outside activities.**
- **Planning of 3 major activities –AVISHKAR, AAKAR & VIBHA**

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/organogram/ |
| Upload any additional information | View File |

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

**Yes**

**The institution has a formally stated quality policy which is being implemented through a well structured body called Internal**

Quality Assurance Cell. Internal Quality Assurance Cell (IQAC) was established at VBIT on 26th January, 2014 after receiving the accreditation status from NBA for all UG programmes as a post accreditation quality sustenance measure. Since quality enhancement is a continuous process, the IQAC should be a part of the institution's system and work towards realizing the goals of quality enhancement and sustenance.

The IQAC has to make a significant and meaningful contribution in the post-accreditation phase through chan nelizing the efforts and measures of an institution towards academic excellence.

Objectives:

1) To develop a quality system for conscious, consistent and catalytic programmed action to improve the academic and administrative performance of the Institute.

2) To promote m easures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalizationof best practices.

Functions:

- Development and application of quality benchmarks/parameters for the various academic and administrative activities of the Institute
- Facilitating the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required
- knowledge and technology for participatory teaching and learning process
- Arrangement for feedback responses from students, parents and other stakeholders on quality-related institutional processes
- Dissemination of information on the various quality parameters of higher education
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles
- Documentation of the various programmes/activities of the

Institute, leading to quality improvement

- Acting as a nodal agency of the Institute for coordinating quality-related activities, including adoption and dissemination of good practices
- Development and maintenance of Institutional database through MIS for the purpose of maintaining /enhancing the institutional quality
- Development of Quality Culture in Institute
- Preparation of the Annual Quality Assurance Report (AQAR) of the Institute based on the quality parameters/assessment criteria developedby the relevant quality assurance body (like NAAC, NBA) in the prescribed format
- Bi-annual development of Quality Radars (QRs) and Ranking of Integral Units of Institute based on the AQAR

**Perspective plan for development:**

College Management understands the importance of the relation between various functions of the institute and always works in a way for developing it. The promoter society is committed for the aspects of development of education, augmentation of infrastructural facilities and growth of the institution. It specifies targets to the institution along with allocating budget.

The management aims to make the college grow into an ideal center of excellence and develop it to the level of a mini-University by understanding that educational systems change according to the current and future needs of the society.In line to the views of the Society, college determines the needed infrastructure for academic advancement, bringing excellence into the activities

and allocates budget accordingly

At the time of establishment the land in possession was about 10 acre. Later on to cater the need of expansion plan, management has allotted the part of its budget to acquire the nearby land for following purposes:

1. Research and Development activities (2009) : Existing MBLM

Centr (set- up by ISRO) is established on this land during 20110-11.

2. Residential hostel for students: Considering the large number of students coming from various parts of state, management has constructed an exclusive hostel for boys and girls after purchasing the land adjacent the Institute (nearly 3 acres) .

3. Central Auditorium, Separate PG block and Training & Placement centre: Keeping in view these various aspect of development, requiredland is acquired in recent years and the buildings are constructed.

4. Central Library: By considering the growth and expansion in next 10 years, two complete floors (21,000 sq. ft. built up area) are spared forlibrary. Even though at present, there are about 45,000 volumes are available there is a place for nearly 1,00,000 volumes to store in thelibrary along with a seating capacity of 500 students at a time.

5. Year wise details of creation of various important facilities (other than Laboratories):

S.No.

Facility

Year

1

Separate block (Avishkar) for first year students

2007

2

Separate block (Prashasan) for

Administration and Central Library

2009

3

Separate block (Trupthi) for cafeteria

2009

**4**

**Drishti (Board room) and**

**Athithi (Guest room)**

**2009**

**5**

**Establishment of well equipped health Centre**

**2010**

**6**

**Establishment of R&D Centre**

**2010**

**7**

**Student Activity Centre (SAC)**

**2010**

**8**

**Separate block (Nirmithi) for Mechanical Engineering**

**2011**

**9**

**Establishment of centralized computer labs(Total capacity-360 systems)along with**

**Computer Centre with 120 systems**

**2011**

**10**

**Establishment of Incubation Centers for ECE,EEE,CSE and IT Departments**

2011

11

Creation of 4 well equipped AV classrooms in Central library

2012

12

Separate room for research scholars

2012

13

Up-gradation of facilities at Examination branch

2012

14

Creation of Basket ball court

2013

15

Renovation of central Auditorium (Chethana)

2013

16

Provision for IQAC set-up

2014

17

Separate block (Aakash) for Electronics and Communication
Engineering & Civil Engg.

2015

18

```
Open stage in ground

2016

19

Nachiketha- hostel for boys

2017

20

Niveditha- hostel for girls

2017

21

Nalanda- Central Auditorium with 1000 capacity

2018

22

Exclusive setup for start ups

2019

23

Separate wing for IIIC

2019
```

| File Description | Documents |
|---|---|
| Strategic Plan and deployment documents on the website | View File |
| Paste link for additional information | https://vbithyd.ac.in/infrastructure/ |
| Upload any additional information | View File |

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

Governing Body, the highest body of policy making, meets periodically to discuss various issues and aspects related to the development of thecollege. It includes considering and approving the institution strategic plan which sets the academic aims and objectives of the institution and

identifies the financial, physical and staffing strategies. Governing body considers the recommendations of Board of studies(BoS) & Academic Council (AC) and it chalks out a roadmap to achieve the goals of the institute

Various Committees at the Institute level:

Institute has established various functional units for smooth functioning of different tasks.

At the beginning of each Academic year, the College Academic Council constitutes the committees for each unit under the leadership of seniorprofessor as officer in charge. Each unit conducts its periodical meetings and empowered to take necessary decisions for effective functioning ofthe respective unit.

List of committees:

S.No.

Name of the Committee

Frequency of Meetings

1

Governing Body

Once in a semester

2

Academic Council

Once in a semester

3

Board of studies

Once in a semester

4

Finance Committee

Once in a semester

5

Internal Quality Assurance Cell

Once in a quarter

6

Central facilities Monitoring

committee:

1. Internet

2.Canteen

3.Transport

4.Water,Sanitation and General

Maintenance

5.Health Centre

Once/twice in a semester

7

Disciplinary & Anti-ragging committee

Twice in a semester/ As

and when required

8

IIIC

Once/twice in a semester

9

Women Protection committee

Once/twice in a semester

10

Students welfare & Grievance Redressal

Once/twice in a semester

11

Planning & Evaluation committee

Once/twice in a semester

12

Admissions committee

Once/twice in a semester

13

Extra Curricular & Co Curricular Activities Committee

Once/twice in a semester

14

Examination Committee

Once/twice in a semester

15

**Academic audit committee**

**Once/twice in a semester**

**16**

**R&D Committee**

**Once/twice in a semester**

**Various Coordinators at Department level:**

**Head of the Department distributes certain responsibilities among all faculty members at Department level for smooth and effective functioning of the department. Coordinators are nominated by concerned Departments for following responsibilities:**

- **Academic coordinator**
- **Time Table**
- **Student and staff participation**
- **Library**
- **IIIC**
- **Projects**
- **IQAC**
- **Attendance and mentoring**
- **Branch Association**
- **Remedial classes**
- **Feed back etc**

**SERVICE RULES & PROCEDURES:**

**Institute has prepared a Policy book containing various details of policies**

1. **SERVICE RULES:**

1.

**01. SERVICE RECORDS**

**02. METHOD OF RECRUITMENT**

**03. PROMOTION POLICIES**

**04. LEAVE RULES**

**05. MEDICAL FACILITIES**

**06. CONDUCT AND DISCIPLINE**

**07. ANNUAL CONFIDENTIAL REPORT**

**08. APPEALS AND REVIEWS**

**1. PROCEDURES:**

**CONTENTS**

**01. FUNCTIONAL UNITS AND WORKING MECHANISM**

**02. RESEARCH & DEVELOPMENT**

**03. PURCHASE AND SERVICING**

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/brochure-and-policy-book/ |
| Link to Organogram of the institution webpage | https://vbithyd.ac.in/organogram/ |
| Upload any additional information | View File |

| **6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination** | **A. All of the above** |
|---|---|

| File Description | Documents |
|---|---|
| ERP (Enterprise Resource Planning)Document | View File |
| Screen shots of user inter faces | View File |
| Any additional information | View File |
| Details of implementation of e-governance in areas of operation, Administration etc(Data Template) | View File |

## 6.3 - Faculty Empowerment Strategies

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

Salient features of the strategy to empower faculty members:

- For training new faculty and retraining existing faculty Institute has developed a concept of Academic plan Presentations of the subjectsallotted to the faculty. This is done before the commencement of each and every semester in the presence of principal, subject experts and senior faculty of the Department. Individual faculty members collect the suggestions, modifies their plan and upload it on E-Cap to make it accessible to the students
- Training of faculty members on revised courses by eminent resource persons from industry and institution.
- Deputing faculty members to refresher courses organized by University
- Formulation of various committees with Faculty members in various cadres as conveners/members with proper allocation of work, assigning responsibility and grant of adequate authority and autonomy.
- Felicitating faculty members for their publications, paper presentations, invited talks, excellent academic performance on the occasion of National Science Day being celebrated on 28th February of every year.
- Opportunity is given to the faculty members to deliver their innovative ideas, new topics of both general and subject specific areas to other faculty under auspices of faculty forum and R&D monthly meet
- Incentives for faculty members who are publishing research journals

**The welfare schemes available for teaching and non teaching staff:**

- EPF contribution by Management to all the eligible staff members
- Free Medical consultancy and treatment for common ailments through Health Centre.

- Transport Facilities: Concessional Transport fee for all teaching and non -teaching staff members..
- Uniforms for class IV employees and attenders
- Salary advance for staff in times of need
- Maternity leave: 45 days with full pay. For the women faculty members (provided they complete minimum 2 years of service)
- Insurance cover for Personal Accidents (Rs.2, 00,000/-):100% of faculty and staff members are availing the benefit.
- Public transport bus passes to all drivers
- ESI: ESI health cover is being given to all non teaching staff members
- Special Leave Provision given to the exiting faculty for the pursuance of their higher qualifications like Ph.D.
- Special allowances to faculty deputed to Examination department
- Special leave to staff on the occasion of their marriage
- Fee concession to children of staff members who are studying in our institute
- Special Leave for Covid and post covid treatment

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/brochure-and-policy-book/ |
| Upload any additional information | View File |

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

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

37

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

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

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

**21**

| File Description | Documents |
|---|---|
| Reports of the Human Resource Development Centres (UGCASC or other relevant centres). | View File |
| Reports of Academic Staff College or similar centers | View File |
| Upload any additional information | View File |
| Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template) | View File |

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**

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

**193**

| File Description | Documents |
|---|---|
| IQAC report summary | View File |
| Reports of the Human Resource Development Centres (UGCASC or other relevant centers) | View File |
| Upload any additional information | View File |
| Details of teachers attending professional development programmes during the year (Data Template) | View File |

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

**Faculty Performance Appraisal consists of following two important parts:**

**1. Self Appraisal form being filled up by faculty members**

**2. Assessment of these self appraisal forms by a review committee**

**IQAC prepares the format of Self Appraisal form being filled up by the faculty members which consists of following parameters:**

**1. Students Feedback on teaching performance of concerned faculty members.**

**2. Examination results of the subject(s) taught by the concerned faculty member for the academic year.**

**3. Research Publications by concerned faculty member during academic year.**

**4. Details of Faculty development programs attended by the faculty members during academic year.**

**5. Details of any other specific achievement.**

**Assessment**

1. Management constitutes a review committee for the assessment of Self Appraisal Forms. Following are the members of the committee

2. Principal

3. Director , Academic Planning

5. Head of the respective Department.


Annual increment will be decided based upon the assessment of Self Appraisal Forms.


Appraisal Process:


1. All faculty members will submit the duly filled self appraisal forms to their HoDs in the beginning of first semester (after the announcesment of the previous year results, typically july)

2. HoDs will collect all the self appraisals and write their remarks based on the information captured from various committees and the information provided in the self appraisal forms. Following is the sample information collected by HoD.

3. HoD will conduct individual meeting with faculty and discuss the performance. HoD may revise the remarks based on the discussion.

4. Faculty performance appraisal forms along with self appraisals will be submitted to principal through HR for furthur processing.

5. Principal will discuss with the faculty with lower performance to assess the correctness and also to mentor the faculty.

6. Principal will take appropriate approvals for the increment/promotions as a part of budget approvals from the governing body.

7. Increments/Promotions will be intimated to the faculty typically in the month of August/september


Performance of non teaching and technical support staff will be

**assessed by prescribed format . Registrar, HOD & Principal are the assessee of the same.**

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/brochure-and-policy-book/ |
| Upload any additional information | View File |

## 6.4 - Financial Management and Resource Mobilization

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

**Internal Audit:**


**Every year, internal audit will be conducted by the committee appointed by the principal. After thorough verification, committee will submit their appraisals to the principal for follow up action. College accounts will be audited by the qualified chartered accountants. No major audit objections are identified.**


**Institution has well defined mechanism to monitor effective and efficient use of available resources. College obtains proposals from concerned Departments/Un its in which all the teaching and non-teaching members of the Department/Unit a r einvolved.**


**? Purchase and central store section of the Institute headed by Finance Officer,**

**collects all the purchase proposals with quotations and comparative statement.**


**? After assessing t h e p r o j e c t e d income for an academi c year, Finance Officer allocates budget to each Department and Institution with minute details. While doing so, through**

**discussion will be made with Principal & Management for prioritizing and transparency. The draft ofallotment of budget submitted to Governing Body for its approval**

? Purchases will be made with the recommendations of duly constituted Finance Officer. The amounts withdrawn from the banks will follow a systematic mechanism of obtaining the signatures of the cashier, Registrar, Head Purchase Committee, Principal, Secretary and Chairman. In case of out of budget expenditure, ratification will be done in a special meeting conducted.

? Purcha se and central store section has laid down specific guidelines related to Purchase

,servicing, maintenance and stock keeping of the instruments, equipments and furniture items

? Purchase and central store section also monitors the stock verification process at the end of each academic year

External Audit:

The college conducts external Financial Audit by a Chartered Accountant every year. The audit observations submitted to the management by the audit company are examined carefully and corrective actions taken, where required. The Financial statements, namely, income and expenditure account and balance sheet are filed with the income tax returns to the IT department every year

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/brochure-and-policy-book/ |
| Upload any additional information | View File |

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

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

0

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

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

**The policy of the college with regard to mobilization of funds is as follows:**

**The main source of funds for the college is the Tuition fee collected from the students.**

**The other sources of funds are:**

- **Loans from banks**
- **Grants received from Government bodies like AICTE,UGC JNTUH, DST etc., to carry out research oriented activities.**

**While designing the time table of various departments the focus is always on optimum utilization of all resources like laboratories, class rooms and other amenities.**

**The institutional mechanism to monitor effective and efficient use of available financial resources:**

- **Institution has well defined mechanism to monitor effective and efficient use of available resources. College obtains proposals from concerned Departments/Units in which all the teaching and non-teaching members of the Department/Unit are involved.**
- **Purchase and central store section of the Institute headed by senior faculty member, collects all the purchase proposals with quotations and comparative statement. It prepares the consolidated proposal and submit it to Finance**

Officer
- After assessing the projected income for an academic year, FO allocates budget to each Department and Institution with minute details.
- While doing so, through discussion will be made by FO with Principal & Management for prioritizing and transparency. The draft of allotment of budget submitted to Governing Body for its approval.
- Purchases will be made with the recommendations of duly constituted purchase committee. The amounts withdrawn from the banks will follow a systematic mechanism of obtaining the signatures of the cashier, Registrar, Finance Officer, Principal, Secretary and Chairman. In case of out of budget expenditure, ratification will be done in a special meeting conducted
- Purchase and central store section has laid down specific guidelines related to Purchase ,servicing, maintenance and stock keeping of the instruments, equipments and furniture items
- Purchase and central store section also monitors the stock verification process at the end of each academic year

| File Description | Documents |
|---|---|
| Paste link for additional information | NIL |
| Upload any additional information | No File Uploaded |

## 6.5 - Internal Quality Assurance System

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

Yes

The Institute has established the Internal Quality Assurance Cell on 26th January 2014, after the first cycle of accreditation by NAAC, with the following composition.

S,NO

NAME OF THE MEMBER

DESIGINATION

POSITION IN IQAC

1

Dr. P. V. S. Srinivas

Principal

Chair Person

2

Dr. N.Goutham Rao

Chairman,SVET

Management Representative

3

Mr. K. Sivasankar

M.D., Summation Pvt. Ltd.

Industrialist

4

Mr. A. Gautam

Sr. Database Administrator, W3 Softech India Pvt. Ltd.

Employer

5

Dr. N. Satyanarayana

Registrar

Member

6

Mrs. Ch. Suneetha

**Assoc. Prof., ECE**

**Member**

**7**

**Mr. Poorna Chandra Rao**

**Assoc. Prof., EEE**

**Member**

**8**

**Mr. G.Arun**

**Asst. Prof., CSE**

**Member**

**9**

**Mrs. Y. Srividya**

**Asst. Prof., IT**

**Member**

**10**

**Mr. B.Satish Kumar**

**Assoc. Prof., ME**

**Member**

**11**

**Mrs. Ch.Mounika**

**Asst. Prof., CE**

**Member**

**12**

Mr. M. Pavan Kumar

Asst. Prof., H&S

Member

13

Mr. E. Chakrapani

Assoc. Prof., MBA

Member

14

Dr. G. Amarendar Rao

Professor, ME

Special Invitee

15

Mr. G. Anil Kumar

Director, IIIC

Member

16

Dr. Ch. S.L.N Sridhar

Vice Principal and Professor of Physics

Special Invitee

17

Mrs. M. Kaveri Reddy

Sarpanch, Aushapur

Local body Member

18

Ms. G. Pragathi

IV ME-A (17P61A0326)

Student Member

19

Dr. Jayant Kulkarni

Professor of Physics

Director

20

Mr. K. Naresh Kumar

Asst. Prof., H&S

Coordinator

21

Mr. Vamsi J Krishna

Program Champion, TiE

Alumni Member

Objective:

1. To develop a quality system for conscious, consistent and catalytic programmed action to improve the academic and administrativeperformance of the Institute

2. To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Background:

Internal Quality Assurance Cell (IQAC) was established at VBIT on 26th January, 2014 after receiving the accreditation status from NBA for its major UG programs as a post accreditation quality sustenance measure. Since quality enhancement is a continuous process, the IQAC should be a part of the institution's system and work towards realizing the goals of quality enhancement and sustenance.

The IQAC has to make a significant and meaningful contribution in the post-accreditation phase through channelizing the efforts and measures of an institution towards academic excellence.

Functions:

- Facilitating the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process
- Arrangement for feedback responses from students, parents and other stakeholders on quality-related institutional processes
- Dissemination of information on the various quality parameters of higher education
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles
- Documentation of the various programmes/activities of the Institute, leading to quality improvement
- Acting as a nodal agency of the Institute for coordinating quality-related activities, including adoption and dissemination of good practices
- Development and maintenance of Institutional database through MIS for the purpose of maintaining /enhancing the institutional quality
- Development of Quality Culture in Institute
- Preparation of the Annual Quality Assurance Report (AQAR) of the Institute based on the quality parameters/assessment criteria developedby the relevant quality assurance body (like NAAC, NBA) in the prescribed format

The IQAC has evolved mechanisms and procedures for ensuring the following:

- Timely, efficient and progressive performance of academic, administrative and financial tasks.
- The relevance and quality of academic and research programs.
- Equitable access to and affordability of academic programs for students
- Optimization and integration of modern methods of teaching and learning.
- The credibility of evaluation procedures.
- The adequacy, maintenance and proper allocation of support structure and services.

All the decisions of the IQAC were approved by Academic Council for implementation and all of them are in the process of implementation

The following suggestions of the external members of IQAC have been implemented.

- Conduct of Industry related training Programs & certification courses
- Identification of specific areas for "Centre of Excellence"
- Conduct of faculty enablement programs in collaboration with premier academic institutions.

The IQAC communicate and engage staff from different constituents of the institution:

The IQAC constituted different sub committees in which most of the staff members are involved in formulating and executing the decisions of IQAC.

The decisions of IQAC are widely communicated to staff members through circulars / notices/website/mails

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/committe/ |
| Upload any additional information | View File |

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

**Academic Audit and Action taken process (Mechanism set up by IQAC)**

**It has 2 important aspects:**

- **Review & Planning**

**1. At the end of each Academic year, Director Academic Planning conducts the 'Academic Review and Planning' meeting where each Department. Present the review of Academic activities of past year and their planning for the same in next year.**

**2. College Academic Committee members give their feedback and comments about the presentation**

- **RACHANA**

**(Regular Assessment of Class- Hour and Allied Activities through Number Analysis)**

**RACHANA (R-23)**

**A Scheme of bimonthly collection and analysis of data related to 23 important parameters of Institute**

**Sr. No.**

**Directorate**

**Parameters**

**1**

**Academics**

**Uniform coverage of Syllabus, Teaching- Learning Process and practices, Result, Feedback and Quality of Projects (5)**

2

Students Affairs

Students Activities, Mentoring and Counselling, Alumni Association and Discipline (4)

3

R and D

Paper Publications, Paper presentations, Authoring Books or Book chapters, Projects and Schemes from various funding agencies, Consultancy and patents (6)

4

IIIC

Placement, training, VAPs, Higher education, Entrepreneurship, Teachers Training (6)

5

Examinations

Activities related to Examination, Evaluation and Assessment (1)

6

IQAC

Activities related to consistent evaluation of Quality standards of all Institutional Activities (1)

Total no. of parameters

23

| File Description | Documents |
|---|---|
| Paste link for additional information | https://vbithyd.ac.in/minutes-of-meeting/ |
| Upload any additional information | View File |

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

| File Description | Documents |
|---|---|
| Paste web link of Annual reports of Institution | https://vbithyd.ac.in/student-hand-book/ |
| Upload e-copies of the accreditations and certifications | View File |
| Upload any additional information | View File |
| Upload details of Quality assurance initiatives of the institution (Data Template) | View File |

## INSTITUTIONAL VALUES AND BEST PRACTICES

## 7.1 - Institutional Values and Social Responsibilities

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

**Gender equity is observed in all academic, Co-curricular and Extra-curricular activities conducted by the institute every year.**

**Gender Equity in Academic activities:**

**Gender Sensitization was introduced in the year 2016-17 to all B.Tech students and it is a part of curriculum. This course offers an introduction to Gender Studies, an interdisciplinary field that asks critical questions about the meanings of sex and gender in society. The primary goal of this course is to familiarize students with key issues, questions and debates in Gender Studies,**

both historical and contemporary. It draws on multiple disciplines – such as literature, history, economics, psychology, sociology, philosophy, political science, anthropology and media studies – to examine cultural assumptions about sex, gender, and sexuality.

This course integrates analysis of current events through student presentations, aiming to increase awareness of contemporary and historical experiences of women, and of the multiple ways that sex and gender interact with race, class, caste, nationality and other social identities. This course also seeks to build an understanding and initiate and strengthen programmes combating gender based violence and discrimination. The course also features several exercises and reflective activities designed to examine the concepts of gender, gender-based violence, sexuality, and rights. It will further explore the impact of gender-based violence on education, health and development.

Gender Equity in Co-curricular and Extra-curricular activities:

IEEE Women in Engineering (WIE):

IEEE Women in Engineering (WIE) is a global network of IEEE members and volunteers dedicated to promoting women engineers and scientists, and inspiring girls around the world to follow their academic interests in a career in engineering and science. This affinity group was introduced in our institute in 2014. International Women's Day is being organized by this affinity group every year which aims at performing and practicing 'Gender equity and sensitization'.


Women Protection Committee:

This committee was constituted in 2016 at our institute. This committee periodically meets and reviews the complaints received from female faculty and students if any. The women cell aims to empower women byIdentifying strong leadership quality and change makers amongst women and facilitate in building their capacity.Promoting a culture of respect and equality for the female gender in the institute

| File Description | Documents |
|---|---|
| Annual gender sensitization action plan | https://ieeevbitsb.in/reports/ |
| Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information | https://vbithyd.ac.in/wp-content/uploads/2020/09/IEEE-Report-2019-20-min.pdf |

| **7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures   Solar energy Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power efficient equipment** | **B. Any 3 of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Geo tagged Photographs | View File |
| Any other relevant information | 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

**The Functioning of our institute result in generation of waste which can be classified as:**

**1. Solid Waste**

**2. Liquid Waste and**

**3. E-Waste**

**Management of Different types of waste at VBIT:**

**Solid Waste Management:**

- **Solid waste generated at our institute is classified in to Wet waste and Dry waste.**
- **Dry waste includes used paper etc is being burnt in Fuel**

Free ecosystem which is installed at our campus.

- Remaining Dry waste includes rubber tyres, metal scrap, News papers, plastics etc are stored and will be given to scrap vendors
- Wet waste like the vegetable and food waste generated from canteen and hostel is kept in VAPRA- The Composter which converts the biodegradable waste into compost.

**Liquid Waste Management:**

- Institute has set up an exclusive 200KLD Sewage Treatment Plant inside the campus.
- Liquid waste generated from institute buildings and hostel will be diverted to STP for further treatment
- Treated water is used for watering plants and trees in the campus

**E-Waste Management:**

- Electronic waste is created when an electronic product is discarded after the end of its useful life, such as computer systems, monitors etc.
- All E-waste products are delivered for safe disposal through dealers in electronic goods.

| File Description | Documents |
|---|---|
| Relevant documents like agreements / MoUs with Government and other approved agencies | View File |
| Geo tagged photographs of the facilities | View File |

| **7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus** | B. Any 3 of the above |
|---|---|

| File Description | Documents |
|---|---|
| Geo tagged photographs / videos of the facilities | View File |
| Any other relevant information | View File |

## 7.1.5 - Green campus initiatives include

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

| File Description | Documents |
|---|---|
| Geo tagged photos / videos of the facilities | View File |
| Various policy documents / decisions circulated for implementation | View File |
| Any other relevant documents | View File |

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

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

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

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

B. Any 3 of the above

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

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

**Institute has several student forums like Aashay- the Film Club, Chitrika- The Photography Club, Harith-Eco Club and odyssey- The Literature club which have been conducting various activities that have been playing a vital role in promoting and building an inclusive environment in the institution. i.e., tolerance and**

harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities.

Mandatory courses in curriculum, namely, Environmental science, Human Values and Professional Ethics help students in understanding the importance of sustainable development.

Institute celebrates National Festivals, Independence Day, Republic Day by conducting Blood donation camps etc.

| File Description | Documents |
|---|---|
| Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution) | View File |
| Any other relevant information | View File |

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

Institute has developed a mechanism through which responsibilities of good citizen can be inculcated among students and employees. Following events are being organized from a decade to inculcate such values:

1. Workshop on Personality Development at Ramakrishna Mutt

2. Induction program for fresher's based on Universal human values

3. Establishment of various clubs and activities to inculcate good leadership qualities

4. Inclusion of Many elective courses line Indian Constitution, Gender Sensitization, Disaster Management, Professional Ethics onto UG Curriculum

| File Description | Documents |
|---|---|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | https://vbithyd.ac.in/campus-events/ |
| Any other relevant information | https://vbithyd.ac.in/sac/ |

| **7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized** | A. All of the above |
|---|---|

| File Description | Documents |
|---|---|
| Code of ethics policy document | View File |
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims | View File |
| Any other relevant information | View File |

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

**Various student forums of the institute organize many National and International commemorative days, events and festivals.**


**International Events:**

- **World Environmental Day on June 5th by Harith -Eco**
- **International Women's Day on March 8th by IEEE- Women in Engineering Affinity group**

- **International Yoga Day on June 21st by Virinchi Club**
- **World Photography Day on August 19th by Chitrika- The Photography club**

**National Events:**

- **Independence Day on August 15th by all student forums**
- **Republic Day on January 26th**
- **Youth Day on January 12th by Swayam club**
- **National Science Day on February 28th by Sowparnika club**
- **National Mathematics Day on December 22nd by Ganith-The Mathematics club.**
- **Teacher's Day on September 5th**
- **Engineer's Day on September 15th.**

| File Description | Documents |
|---|---|
| Annual report of the celebrations and commemorative events for the last (During the year) | View File |
| Geo tagged photographs of some of the events | View File |
| Any other relevant information | View File |

## 7.2 - Best Practices

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

**Best Practice**

**1. Title of the Practice:**

**Avishkar to Aakar- Total transformation of students**

**1. Goal:**

**Every individual student possesses unique set of skills. To identify such skills should be prime motto of the teaching learning process. This makes the education more joyful and meaningful. Considering capabilities of students, various programs**

and activities should be offered to them. Every individual should get equal opportunity to expose his/her talent. Nurturing of leadership is possible if the campus is student centric and not mere examination centric or degree centric.

Identifying the hidden talent among students and by providing proper support exposing them at various levels is the prime objective of Avishkar to Aakar.

1. The context:

Institute receives the inflow of students having heterogeneous back ground. Lack of motivation to achieve something, fear of competition, inferiority complex arises because of weak soft skills and not aware about individual strength are the common features of the students.

Teaching-Learning process restricted to four walls of class room is not adequate to overcome these complex feelings. If not addressed, these feelings lead towards more and more isolation, lack of interest in academics and in worst case drop out from the course of study.

The concept of Avishkar to Aakar is helping students to gain the confidence, to improve the skills and finally bringing absolute clarity in their thought process.

1. The Practice:

Avishkar to Aakar is a set of variety of academic and extracurricular activities which start with Avishkar – The skill of presentation at first year and end with Aakar- The show casing of talent at final year. The practice started way back in 2008-2009.

Avishkar is a presentation competition held exclusively for the firstB. Tech students. Every year it is conducted on 25th January (primary round) and 26th January (final round).About 70 to 80 % of the admitted intake (600-700 students) participates in this event and presents various technical and non technical topics in various groups depending upon their subject. IEEE (Institute of Electrical and Electronics Engineers) student branch of the institute hosts this event. Senior students play the role of mentors for freshers and help them in various areas like selection of topic, gathering of information and presentation. The event takes place simultaneously at various places and finally cultivates in

emerging of top ten teams. The attention is given to communicate constructive feed back to the participants from assessors immediately after the presentation.

On 26th January immediately after flag hoisting ceremony students and teachers gathers at a central conference hall where selected teams present their topics. The jury panel involves experts from within and outside the campus. The awards are given to top five teams.

Generally academic year of fresher's start in the month of august-september of respective academic year. After making them to undergo a well designed orientation program students are given enough time to settle in the professional campus and hence they were disturbed by any activity or events till the end of January. Avishkar is the first entry point of the students in the world of campus activities.

Institute subsequently offers them various clubs and forums once Avishkar is over. A wide range of domains are available to show case their talent. It includes ten academic and ten non academic student clubs or chapters. IEEE student branch which established in 2006 is a matter of pride for the institute. Through its five affinity groups it covers wide spectrum of domains. It engages maximum number of students through its consistent activities. IETE, SAEINDIA & AICRA are the other professional bodies nurturing technical skills and leadership qualities together of the students. Aashay ( Film club), Harith (Eco Club), Ganith (Mathematics club), Vibha ( cultural club), Virinchi ( Music club), Dyuthi (NSS unit), Street cause (Social service club), TEDx VBIT group, Stutalk (Campus news letter) and Shodh (Innovation center) are few more significant platforms available for students. Students choose their body and design their programs. At the commencement of academic year, each club presents their planning and budget to the college academic council.

Aakar is the exhibition cum competition of the projects and working models designed and developed by final year students. This is the concluding activity in this series which exposes the final outcome of the skill attend by the students during their course time. The important stake holders like parents, industrialists, academicians, recruiters and public in surrounding areas are invited to this exhibition

   1. Evidence of success:

Our sincere and continuous efforts for conducting this event of Avishkar at entry level of students the institute was appreciated by IEEE at international level and awarded IEEE- VBIT SB with Darrel Chong student activity award (Gold Prize) at Asia Pacific region R-10 level which is one of the prestigious awards of IEEE.

The most vibrant forum of the institute IEEE student branch has received 27 national and international awards like Upsilon Pi Epsilon student scholarship award , Larry K Wilson award, Richard E. Merwin Scholarship award, Exemplary Student Branch award, WIE Student Branch Affinity Group of the Year Awardand other awards at asia pacific region R 10 level for its consistency and innovation in activities.

1. Problems Encountered and resources required:

Hectic academic schedule prescribed by affiliated university is the major hurdle in implementation of this concept. Lack of adequate time is the reason preventing many students from participation in activities focused on various sets of soft and technical skills. Lack of encouragement from teachers is another reason works as a challenge. Institute has decided to utilize 36 hours for academic schedule and 6 hours for activity schedule out of 42 hours available in a week. Special lectures and workshops are organized for teachers to take them on board.

1. Contact details:

Name of the Principal: Dr.P.V.S.Srinivas

Name of the Institution:Vignana Bharathi Institute of Technology

Pin Code: 501301

Accredited Status:"A" Grade (3.23)

Validity Period: 02nd July 2023

Website: www.vbithyd.ac.in

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| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://vbithyd.ac.in/wp-content/uploads/2021/04/Best-practices.pdf |
| Any other relevant information | https://vbithyd.ac.in/ieee-student-branch-of-vbit/ |

## 7.3 - Institutional Distinctiveness

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

**Academic Excellence**

**"Outstanding" is what our students rate our efforts in nurturing versatile, all round development including organizational and leadership qualities. In VBIT, the management, administration and the faculty members strive for this and go beyond teaching, in an effort to redefine academic**

**excellence.As the educational system is getting more and more student centric, it is the duty of every institute to ensure appropriate standards for Teaching andLearning Process. As a part of this process the students are motivated to match their standards to the industrial and societal needs.**

**The meticulously well-defined student centric system has the following objectives at its core –**

- **to emerge as a hub for engineering excellenceto achieve engineering education that is on par with the industry requirement**
- **to facilitate state-of-the-art teaching facilities to train students in emerging technologies**
- **to set up and maintain State-of-the-Art Laboratories**
- **to create department wise with incubation centers**
- **to empower the student community through "Students Activity Centre" (SAC)**

**While the institute puts the students to higher degree of learning through this approach of beyond the text book, the students are**

provided full freedom to develop the capabilities and qualities in handling several activities of the professional bodies like IEEE, IETE, SAEetc. VBIT follows certain specific approaches by drawing greater opportunity to the students for conducting student seminars, presenting papers,project developments, development of working models etc. As part of this the students are encouraged to present papers in some specific forums right from their I B.Tech. days.Similarly, there are number of forums for the other students to conduct and to participate in seminars in and outside the college.

The institute ensures at least one opportunity to every student in a given academic semester.

In order to ensure that the vision of the institute is realized, a separate Student Activity Centre, thoroughly managed by the students, is set up. In addition to the Student Activity Centre the co-curricular activities also take an equally important role at VBIT. Therefore, VBIT has bagged several awards for their students in a number of forums at state, national and international levels.

There are separate clubs for each of these functions and thus provide an excellent opportunity and awareness to every student at VBIT In a sense.

VBIT ensures the overall development of the student as above with appropriate standards as per the current market requirements, in addition to thebest possible efforts in Teaching and Learning Process.The following are the activities handled by the students during each semester lonely the Student Activity Centre.

- Established 13 various forums under SAC in 2006-07 and now increased to 25 forums.
- Separate Bank Account for each forum
- Meeting of the student coordinators at the beginning of every Academic year to discuss the plan and budget of the activities during the year
- Providing complete autonomy to the members in planning and executing various academic, technical and co-curricular activities

| File Description | Documents |
|---|---|
| Appropriate web in the Institutional website | View File |
| Any other relevant information | View File |

**7.3.2 - Plan of action for the next academic year**

1. To establish a new unit - "Industry Interface Unit" under the aegis of IIIC

2. e-Governance at few more functional units like Hostel, health centre etc

3. To stream line digital evaluation process in examination branch

4. To offer wide spectrum of courses for B.Tech-Minor & Honour degree programs

5. To include important aspects of National Education Policy into Engineering curriculum