# SELF STUDY REPORT

## FOR

## 1<sup>st</sup> CYCLE OF ACCREDITATION

## SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
KRISHNADEVARAYANAGAR, INTERNATIONAL AIRPORT ROAD,
BANGALORE
562157
www.sirmvit.edu

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

## 1.1 INTRODUCTION

Sir M Visvesvaraya Institute of Technology (Sir MVIT) is an Institute of repute in the state of Karnataka established by Sri Krishnadevaraya Educational Trust (Sri KET) in 1986 .Sri Krishnadevaraya Educational Trust, managing Sir M. Visvesvaraya Institute of Technology, is a group of philanthropists belonging to Raju Kshatriya Community with an objective to inculcate in the students a spirit of inquiry and desire to gain knowledge and skills that can enrich their lives in future. The institute is named after Sir M. Visvesvaraya, an illustrious son of Karnataka, and an engineer-statesman par excellence. Sir MVIT is spread out on 133 acres of sprawling land along NH 7, near Air Force Station, Yelahanka, in North Bangalore, close to Kempegowda International Airport . The institute offers Nine B.E. degree programs and four Masters Programs in Computer Applications, Business Administration, Computer Integrated Manufacturing and Electronics Engineering

1. Computer Science and Engineering

2. Mechanical Engineering

3. Civil Engineering

4. Electrical and Electronics Engineering

5. Telecommunication Engineering

6. Industrial Engineering and Management

7. Information Science and Engineering

8. Biotechnology

9. Electronics and Communication Engineering

The institute offer PG Courses in following

1. M.Tech (Electronics Engineering)

2. M.Tech (Computer Integrated Manufacturing)

3. M.Tech (Bio-Technology and Biochemical Engineering)

4. M.B.A.

5. M.C.A

**Vision**

To be a centre of excellence in technical and management education concurrently focusing on disciplined and integrated development of personality through quality education, sports, cultural and co-curricular activities.

To promote transformation of students into better human beings, responsible citizens and competent professionals to serve as a valuable resource for industry, work environment and society.

**Mission**

To impart quality technical and management education, provide state-of-art facilities, achieve high quality in teaching-learning and research and encourage extra and co-curricular activities.

To stimulate in students a spirit of inquiry and desire to gain knowledge and skills to meet the changing needs that can enrich their lives.

To provide opportunity and resources for developing skills for employability and entrepreneurship, nurturing leadership qualities, imbibing professional ethics and societal commitment.

To create an ambiance and nurture conducive environment for dedicated and quality staff to up-grade their knowledge and skills and disseminate the same to students on a sustainable long term basis.

To facilitate effective interaction with the industries, alumni and research institutions.

# 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

**Institutional Strength**

1.Bachelor of Engineering (BE) course was started back in the year 1986, and Management courses was started in year 2002, which has good number of alumni in good position.

2. Consistently good percentage of students are placed every year.

3. Good infrastructure that caters both to University lab courses as well as a number of Research and Development projects.

4. Diverse specializations of the faculty, which serves as an encouragement to students to choose their areas of interest and excel in R&D-based projects at the UG & PG levels.

5. Content beyond the syllabus facilitated via Student Development programs, forum activities and intra-department technical events.

6. Constant counseling of academically strong and weak students on a regular basis.

7. Workshops, seminars and conferences conducted at National and Department levels to showcase college strengths.

8. Our students have secured top University ranks.

9. Faculty members have served the university as BOS members, BOE members, doctoral committee members, Technical committee members etc.

10. State of the art infrastructure with Wi-Fi connection, departmental library with large number of course text/ reference books, journals, magazines, e-journals of national and international repute with latest edition.

11. Good Library with books catering to interest of students in various subjects.

**Institutional Weakness**

1.Collaboration with Foreign Universities/Organizations needs to be strengthened.

2. Lack of regular PG programs in specialized areas.

3. Space Constraint for collaborative R & D activities possessing QC/QA facilities.

4. Lack of support for entrepreneurial opportunities

5. Personal computers with internet facility should be provided to individual faculties.

**Institutional Opportunity**

1.To foster active interactions with various organizations towards strengthening academic ambience and R & D culture.

2. To enhance domain knowledge of faculty members in niche areas via training programs and short summer fellowships, in order to develop expertise in inter-disciplinary domains.

3. To emerge as a quality player towards undertaking industrial consultancy projects, author publications of impact value and patent inventions worthy of value.

4. As per the mandate of AICTE, the graduates need to be developed as entrepreneurs, and not mere job seekers. Towards this end, more inputs relating to entrepreneurship & management-based programs needed.

5. Recent development of on-campus recruitment by a core domain company needs to be sustained through providing stronger theoretical & practical skill-sets, whereby this trend would grow & develop further. 6. Resources of the strong and well placed alumni.

**Institutional Challenge**

1. Dearth of core domain companies engaged in on-campus recruitment.

2. Develop a Research Centre in the department with more action oriented projects and academic publication.

3. Leverage the strengths and network of the alumni to the fullest potential.

4. Bridging the gap between curriculum and industry requirements.

5. To maintain a name and stand as a best choice for students.

# 1.3 CRITERIA WISE SUMMARY

### Curricular Aspects

The Institute is affiliated to Visvesvaraya Technological University (VTU).The institute offers nine B.E degree programs. The B.E programs in the disciplines of Civil Engineering, Mechanical Engineering, Electrical and Electronics Engineering, Computer Science and Engineering, Electronics & Communication Engineering, Telecommunication Engineering ,Information Science and Engineering, Industrial Engineering and Management, Biotechnology . The institute also offers five Master programs in the disciplines of Electronics Engineering(ECE Dept ), Computer Integrated Manufacturing (Mech Dept), Biochemical Engineering (Bio-tech Dept), M.B.A. and M.C.A As the college is affiliated to Visvesvaraya Technological University, Belgaum, the college follows the University prescribed curriculum. The Institution develops action plans for effective implementation of the curriculum and highest priority is given for academics. Teachers are encouraged to impart the curriculum through innovative teaching methods including power point presentations, assignments, discussions, workshops, seminars, and industrial visits, e-learning apart from regular methods. The institution organizes Guest lectures, Workshops, Field work and short term projects through field surveys. Institution motivates the students to participate in various intra and intercollegiate techno-cultural & sports events, Student clubs, which provide a platform for students to interact and showcase their academic abilities and other talents.

### Teaching-learning and Evaluation

The teaching-learning strategies are structured to facilitate the achievement of the intended learning outcomes by designing the academic plan, lesson plan, innovative teaching-learning methods, and MOU'S with industry and research bodies, industrial visits. Faculty act both as mentors and guides. A thorough planning and execution of the strategy in teaching the courses throughout the semester pave the way for efficient learning for the students. Providing an opportunity in curricular, co-curricular, extracurricular, project exhibitions in and out of the campus, organizing conference, seminars, workshops, guest lectures, training programmes, facilitates achievement of learning outcomes. Academic calendar consists of list of working days, Internal Evaluation dates, public holidays and all other important events like Techno Cultural fest, NSS programs, Sports day etc planned by the institute/departments. Head of the department monitors the academic progress as per the proposed schedule. Faculty adheres to the proposed lecture plan and regularly updates their course files. The institution has made an elaborate plan by constituting various committees on technical quiz, incubation centers, domain specific softwares, e-learning materials, digital library, science and technology exhibition, student project models, cultural and techno fest, national and international conferences, symposium, and industry integrated certification programmes. The institution has organized wide spectrum of programmes in the domains of engineering and management.

### Research, Innovations and Extension

Empowerment of engineering students is achieved through theoretical and practical knowledge, interdisciplinary skills, creativity, innovation, hands on expertise and professional ethics. Research and Development policies and advisory committee drive research thrust with constant monitoring and encouragement. State-of-the-art lab facilities established with grants from DST, VGST and AICTE provide the researchers exposure to advanced technology and urge to carryout research activities in the recent trends.

Over the last five years R&D activity has contributed in publishing research work in reputed journals, conferences. Faculty members have successfully published books and filed patent, publications in top notch journals. They are invited as resource persons for various workshops and guiding research scholars. Faculties are encouraged to pursue Ph.D. from parent University. Institution encourages students and research scholars to visit specialized laboratories set up at Industries and Institutions. The institution has good record of consultancy. The college encourages the faculty and students to initiate, participate and implement the programmes, which contribute to societal awareness for various issues. NSS unit of the institute regularly conducts camps in the nearby villages in order to create an insight into the societal needs in the minds of the students. This motivates the students to participate in social outreach programmes, which would benefit children in nearby villages.

## Infrastructure and Learning Resources

Our Institution is spread out on 133 acres of sprawling land. The institute has 44 Lecture halls and 6 seminar Halls . All our departments are well connected by optical fibre backbone network and our institution is Wi-Fi enabled. Our Institution has on its Campus, Men's & Women's Hostels, Ladies Amenities Center, Staff Quarters, Guest House, Cafeteria, Outdoor Sports Facility and an Indoor Games Complex. Faculty and students are encouraged to use ICT resources , Classrooms are well equipped with projectors to enable the power point presentation for interactive sessions between students and faculties.

Library and Information Centre is located in an area of 1700 Sq.mt. The library has about 62,911 volumes of books and 1390 bound volumes of periodicals.The institute is a member of DELNET. It networks more than 900 libraries in India and Six other Countries and offers access to about fifty lakh records of Books, Journals, Articles. A special Book Bank consisting of 2295 copies of text books is available for students belonging to socially weaker sections. Digital Library has around 1955 CD ROM's. Student can access NPTEL (National Programme on Technology Enhanced Learning) lectures, study material which is a joint initiative of the IITs and IISc. Campus has Kotak Mahindra Bank with ATM facility and canteen inside the campus. There are five Men's Hostels and three Ladies' Hostels with three blocks of Staff Quarters accommodating teaching and non-teaching staffs. There are very good sports facilities spread over 30 acres.

## Student Support and Progression

An effective Student mentoring and Support scheme is practiced at Sir MVIT since the year 1995. Mentors are nominated for a group of 20 students and given the responsibility of monitoring the academic performance and advise them on personal matters to certain extent which helps to give individual attention to every student in the group. The mentor convenes a meeting on monthly basis with the students to discuss the overall performance and progress of the student.

The Departments conduct Alumni and Parents-Teachers meet as part of the system to involve the alumni and parents who are the key stakeholders in the progress of students of the department. The Institute also provides

the merit rewards, Medals for university Rank holders and Cash prize for Consistent Distinction students. It provides information about the competitive examinations and offers career counseling, soft skills training, and entrepreneurial skills to enhance the employable opportunity of the students.

The institute has grievance redressal, sexual harassment prevention, Anti ragging cells to address the issues. The alumni association provides a platform for alumini to interact with the students. The students are encouraged to take part in several cultural and co-curricular activities which not only improves their leadership skills but also helps them to achieve the academic excellence. Participation in several events, like NSS organized blood donation camp, Swacha Bharat instills social responsibility amongst the students.

## Governance, Leadership and Management

Governing body of the college consists of eminent persons from different areas like academics, industry, parent University, AICTE etc. who are contributing to the quality policy maintenance and improvement programs. Institution conducts National and International level conferences and participates in National / International level faculty development program / workshops / seminars which help students and faculties to keep pace with the latest development in science and technology. The institute has been contributing to Engineering and Management Education with a focus towards developing graduates with a global outlook and with necessary Entrepreneurial, Managerial & Software Development skills to succeed in a competitive world. As an academic institution, Sir MVIT is continuously evolving with every year and catering to the needs of the companies by promoting all necessary requirements. The institution adopts a mechanism of self-appraisal of teachers and comprehensive evaluation of teachers by Head of the department and the students. Student's feedback about the faculties is taken. Finally, they are integrated with Head of the department assessment. The system is such that the all faculty are encouraged to publish at least one research paper per semester.

## Institutional Values and Best Practices

The College has adopted various measures to maintain a green campus which helps in developing an eco-balanced environment. The institution ensures the green envarried out through a separate maintenance department. The maintenance team takes care of the lawn and plants by employing gardeners and sweepers. The College ensures environmental consciousness in the minds of students by conducting environmental awareness programmes from time to time. College has adopted certain Best Practices like "Local Guardian system", Question Paper Delivery System (QPDS). It also nurtures "Research and Development" amongst students and faculty. In order ensure employment opportunities to students it has a strong "Training and Placement cell" , which makes Sir MVIT as one of the best institutions. Local Guardian Scheme (LGS) is implemented to solve the academic and administrative problems , and also to help in solving personal problems, if any faced by the students . System is also responsible for maintaining overall discipline

# 2. PROFILE

## 2.1 BASIC INFORMATION

| Name and Address of the College | |
|---|---|
| Name | Sir M Visvesvaraya Institute Of Technology, Bangalore |
| Address | Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY KRISHNADEVARAYANAGAR, INTERNATIONAL AIRPORT ROAD, BANGALORE |
| City | Bengaluru |
| State | Karnataka |
| Pin | 562157 |
| Website | www.sirmvit.edu |

| Contacts for Communication | | | | | |
|---|---|---|---|---|---|
| **Designation** | **Name** | **Telephone with STD Code** | **Mobile** | **Fax** | **Email** |
| Principal(in-charge) | K.R.KINI | 080-2847702425 | 9739443692 | 080-2846708 1 | principal@sirmvit. edu |
| IQAC Coordinator | P.VIJAYAK ARTHIK | 080-28477025 | 7259893093 | 080-2360699 9 | vijaykarthik_is@si rmvit.edu |

| Status of the Institution | |
|---|---|
| Institution Status | Private |

| Type of Institution | |
|---|---|
| By Gender | Co-education |
| By Shift | Regular |

| Recognized Minority institution | |
|---|---|
| If it is a recognized minroity institution | No |

| **Establishment Details** | |
|---|---|
| Date of establishment of the college | 01-08-1986 |

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

| **Details of UGC recognition** | |
|---|---|
| **Under Section** | **Date** |
| 2f of UGC | 12-01-2016 |
| 12B of UGC | |

| **Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)** | | | | |
|---|---|---|---|---|
| **Statutory Regulatory Authority** | **Recognition/Approval details Institution/Department programme** | **Day,Month and year(dd-mm-yyyy)** | **Validity in months** | **Remarks** |
| AICTE | [View Document](#) | 30-03-2017 | 12 | |

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

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

| Location and Area of Campus | | | | |
| --- | --- | --- | --- | --- |
| Campus Type | Address | Location* | Campus Area in Acres | Built up Area in sq.mts. |
| Main campus area | Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY KRISHNA DEVARAYANAGAR, INTERNATIONAL AIRPORT ROAD, BANGALORE | Rural | 130 | 64459 |

## 2.2 ACADEMIC INFORMATION

| Details of Programmes Offered by the College (Give Data for Current Academic year) | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Programme Level | Name of Programme/Course | Duration in Months | Entry Qualification | Medium of Instruction | Sanctioned Strength | No.of Students Admitted |
| UG | BE,Civil Engineering | 48 | PUC OR plus Two | English | 63 | 32 |
| UG | BE,Mechanical Engineerng | 48 | PUC or Plus Two | English | 126 | 90 |
| UG | BE,Electrical And Electronics Engineering | 48 | PUC or Plus Two | English | 126 | 98 |
| UG | BE,Electronics And Communication Engineering | 48 | PUC or Plus Two | English | 126 | 119 |
| UG | BE,Computer Science | 48 | PUC or Plus Two | English | 126 | 119 |
| UG | BE,Telecommunication Engineering | 48 | PUC or Plus Two | English | 63 | 44 |
| UG | BE,Biotechnology | 48 | PUC or PLus Two | English | 63 | 38 |
| UG | BE,Information Science | 48 | PUC or Plus Two | English | 63 | 60 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | And Engineering | | | | | |
| UG | BE,Industrial Engineering And Management | 48 | PUC or Plus Two | English | 30 | 16 |
| PG | MCA,Master Of Computer Applications | 36 | B.Sc or B.C.A or Any Degree | English | 60 | 18 |
| PG | MBA,Master Of Business Administrati on | 24 | Any Degree or B.B.A or B.Sc | English | 120 | 116 |
| PG | Mtech,Mtech Electronics | 24 | B.E or B.Tech | English | 25 | 8 |
| PG | Mtech,Mtech Biotechnolo gy And Biochemical Engineering | 24 | B.E or B.Tech | English | 18 | 1 |
| PG | Mtech,Mtech Computer Integrated M anufacturing | 24 | B.E or B.Tech | English | 25 | 1 |

**Position Details of Faculty & Staff in the College**

| Teaching Faculty | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | **Professor** | | | | **Associate Professor** | | | | **Assistant Professor** | | | |
| | Male | Female | Others | Total | Male | Female | Others | Total | Male | Female | Others | Total |
| Sanctioned by the UGC /University State Government | | | | 18 | | | | 45 | | | | 139 |
| Recruited | 13 | 5 | 0 | 18 | 25 | 20 | 0 | 45 | 54 | 85 | 0 | 139 |
| Yet to Recruit | | | | 0 | | | | 0 | | | | 0 |
| Sanctioned by the Management/Society or Other Authorized Bodies | | | | 18 | | | | 45 | | | | 139 |
| Recruited | 13 | 5 | 0 | 18 | 25 | 20 | 0 | 45 | 54 | 85 | 0 | 139 |
| Yet to Recruit | | | | 0 | | | | 0 | | | | 0 |

| Non-Teaching Staff | | | | |
| --- | --- | --- | --- | --- |
| | **Male** | **Female** | **Others** | **Total** |
| Sanctioned by the UGC /University State Government | | | | 102 |
| Recruited | 84 | 18 | 0 | 102 |
| Yet to Recruit | | | | 0 |
| Sanctioned by the Management/Society or Other Authorized Bodies | | | | 102 |
| Recruited | 84 | 18 | 0 | 102 |
| Yet to Recruit | | | | 0 |

| Technical Staff | | | | |
|---|---|---|---|---|
| | **Male** | **Female** | **Others** | **Total** |
| Sanctioned by the UGC /University State Government | | | | 55 |
| Recruited | 47 | 8 | 0 | 55 |
| Yet to Recruit | | | | 0 |
| Sanctioned by the Management/Society or Other Authorized Bodies | | | | 55 |
| Recruited | 47 | 8 | 0 | 55 |
| Yet to Recruit | | | | 0 |

## Qualification Details of the Teaching Staff

| Permanent Teachers | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Highest Qualification** | **Professor** | | | **Associate Professor** | | | **Assistant Professor** | | | |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | Total |
| D.sc/D.Litt. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 11 | 5 | 0 | 6 | 6 | 0 | 0 | 1 | 0 | 29 |
| M.Phil. | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 2 | 0 | 7 |
| PG | 2 | 0 | 0 | 19 | 11 | 0 | 49 | 82 | 0 | 163 |

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

| Part Time Teachers | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Highest Qualification** | **Professor** | | | **Associate Professor** | | | **Assistant Professor** | | |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | Total |
| D.sc/D.Litt. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |

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

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

| Programme | | From the State Where College is Located | From Other States of India | NRI Students | Foreign Students | Total |
|---|---|---|---|---|---|---|
| PG | Male | 64 | 16 | 0 | 0 | 80 |
| | Female | 50 | 14 | 0 | 0 | 64 |
| | Others | 0 | 0 | 0 | 0 | 0 |
| UG | Male | 274 | 156 | 0 | 0 | 430 |
| | Female | 158 | 28 | 0 | 0 | 186 |
| | Others | 0 | 0 | 0 | 0 | 0 |

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

| Programme | | Year 1 | Year 2 | Year 3 | Year 4 |
|---|---|---|---|---|---|
| SC | Male | 33 | 54 | 40 | 44 |
| | Female | 19 | 26 | 27 | 32 |
| | Others | 0 | 0 | 0 | 0 |
| ST | Male | 9 | 12 | 18 | 12 |
| | Female | 6 | 6 | 12 | 6 |
| | Others | 0 | 0 | 0 | 0 |
| OBC | Male | 130 | 150 | 140 | 138 |
| | Female | 75 | 68 | 65 | 75 |
| | Others | 0 | 0 | 0 | 0 |
| General | Male | 385 | 384 | 364 | 373 |
| | Female | 76 | 213 | 118 | 142 |
| | Others | 0 | 0 | 0 | 0 |
| Others | Male | 183 | 90 | 170 | 135 |
| | Female | 67 | 32 | 88 | 73 |
| | Others | 0 | 0 | 0 | 0 |
| Total | | 983 | 1035 | 1042 | 1030 |

# 3. Extended Profile

## 3.1 Programme

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

**Response : 773**

**Number of self-financed Programmes offered by college**

**Response : 14**

**Number of new programmes introduced in the college during last five years**

**Response :**

## 3.2 Student

**Number of students year wise during last five years**

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
| --- | --- | --- | --- | --- |
| 983 | 1035 | 1042 | 1030 | 1011 |

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
| --- | --- | --- | --- | --- |
| 411 | 411 | 411 | 411 | 411 |

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
| --- | --- | --- | --- | --- |
| 970 | 996 | 995 | 997 | 989 |

**Total number of outgoing / final year students**

**Response : 1020**

## 3.3 Academic

**Number of teachers year wise during last five years**

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 198 | 188 | 182 | 187 | 193 |

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 197 | 187 | 181 | 186 | 192 |

**Number of sanctioned posts year wise during last five years**

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 198 | 188 | 182 | 187 | 193 |

**Total experience of full-time teachers**

**Response : 2754**

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

**Response : 22**

**Number of full time teachers worked in the institution during the last 5 years**

**Response : 948**

# 3.4 Institution

**Total number of classrooms and seminar halls**

**Response : 50**

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 930 | 885.53 | 889.65 | 822.74 | 836.54 |

**Number of computers**

**Response : 884**

**Unit cost of education including the salary component(INR in Lakhs)**

**Response : 67103**

**Unit cost of education excluding the salary component(INR in Lakhs)**

**Response : 24676**

# 4. Quality Indicator Framework(QIF)

## Criterion 1 - Curricular Aspects

### 1.1 Curricular Planning and Implementation

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

**Response:**

The curriculum is framed by the Under Graduate Boards Of Studies of different courses and approved by the Academic council of the  Visvesvaraya Technological University(VTU), Belagavi. Being affiliated to Visvesvaraya Technological University(VTU), Belgavi, the institution gives feedback about the subjects in the Boards Of Studies meetings organised by the university

- The institution follows the curriculum designed by the Visvesvaraya Technological University(VTU), Belagavi. Based on  Visvesvaraya Technological University(VTU) calendar, College Calendar of Events are planned for every semester in our Institution.
- Head of the Department  is responsible to manage the academic activities of the department according to schedule specified.
- HOD will monitor class schedule through a Master Time Table.
- Syllabi of the subjects are specified by VTU Belagavi. Faculties prepare Lesson Plans based on VTU syllabus according to Calendar of Events to complete curriculum. Lesson Plan includes lecture hours, topics to be taught and covered during the semester.
- As per College Calendar of Events, internal assessments are conducted as per schedule.
- Maintenance of course files by all faculty members which contain lesson plan, notes of lesson, question bank and performance details of the students

- Preparation of adequate learning materials along with power point presentations, Prototype models for demo in class for subjects like Computer Aided Engineering Drawing, Elements of Mechanical Engineering.

- When the University implements new patterns of the syllabi, it organizes workshops for effective implementation of the curriculum for the faculty. The Institution encourages the faculty to participate in such workshops.

- Updated library facilities with e-journals

  The Institution constantly keeps in touch with its affiliated University. Regular formal and informal meetings are conducted throughout the academic sessions to keep abreast with the latest trends in their fields of study. Some of our faculty members participate in workshops seminars and conferences at State and National levels, thereby inculcating the ability for curriculum development and its effective operation.

| File Description | Document |
|---|---|
| additional information | View Document |

**1.1.2 Number of certificate/diploma program introduced during the last five years**

**Response:** 3

1.1.2.1 **Number of certificate/diploma programs introduced year wise during the last five years**

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 0 | 0 | 2 | 1 | 0 |

| File Description | Document |
|---|---|
| Details of the certificate/Diploma programs | View Document |

**1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years**

**Response:** 1.15

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 6 | 2 | 1 | 1 | 1 |

| File Description | Document |
|---|---|
| Details of participation of teachers in various bodies | View Document |

## 1.2 Academic Flexibility

**1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years**

**Response:** 21.09

1.2.1.1 How many new courses are introduced within the last five years

Response: 163

| File Description | Document |
|---|---|
| Details of the new courses introduced | |

**1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented**

**Response:** 71.43

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

Response: 10

| File Description | Document |
|---|---|
| Name of the programs in which CBCS is implemented | |

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

**Response:** 5.58

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 40 | 95 | 96 | 56 | 0 |

| File Description | Document |
|---|---|
| Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs | |

## 1.3 Curriculum Enrichment

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

**Response:**

The main mission of the Institution is to impart higher education to all sections of the society irrespective of caste, creed and gender. The Institution provides ample opportunities particularly to stuents of weaker sections and economically backward class. Contributing to National Development, Seats are reserved for SC, ST, & OBC candidates according to norms laid down by the Government of Karnataka and the

University, serving the cause of social justice, ensuring equality, and increasing access to higher education.

The university has prescribed two subjects for all engineering programs to have a background of social sciences in the second year.

Environmental sciences – 14CIV18/28

Constitution of India and professional ethics – 14 CIP18/28

However, the students under lateral entry option have to study and pass the above subjects in any of the subsequent semesters for the award of degree.

**Environmental Studies** is a compulsory subject of 100 marks for inculcating Environmental awareness, Climate Change etc. Besides, the Eco-Club and NSS Units offer platforms for awareness regarding Climate Change and Environmental Education.

Environmental Studies helps the students

1. To identify the major challenges in environmental issues and evaluate possible solutions.
2. To analyze an overall impact of specific issues and develop environmental management plan.

Contributing to nation-building and skill-development of students through the curricula demonstrates the vision of the College to move towards excellence. As an affiliated institution of the University of VTU , Belagavi, it follows the curricula designed by VTU. The Institution is also striving hard to move towards the goal of excellence. The Institution also provides many oppurtunities relevant to Environment and Sustainability, Human Values and Professional Ethics through the Curriculum.

**Constitution of India, Professional Ethics and Human Rights** provides a comprehensive overview of the Constitution of India, the basics of human rights and practice of professional ethics. Constitution of India and Professional Ethics is the result of an effort to apprise engineering students and professionals about the fundamental tenets of Indian Constitution and professional ethics to be followed. It also helps in identifying the individual roles and ethical responsibility in the society . It gives the brief understanding and awareness of human rights. It also contains information incorporating the relevant provisions of the constitution. It explains the responsibilities of engineers, giving due coverage to some important case studies and code of ethics of various engineering associations.

**Business. Government and Soceity :** Business managers in today's entrepreneurial Internet-based startups need both knowledge and agility to navigate this fast-changing area, with its high concentration of intellectual property assets and uncertain legal environment. Using a cohesive, life-cycle approach - from idea to operation to exit - Management and Entrepreneurship covers business, cyber law, entrepreneurship, and management issues in the order they typically arise in the business cycle. It also explains the principle of management and Entrepreneurship and various functional areas of management like planning, organizing, staffing, directing and controlling. Learning this subject, students will achieve the theoretical understanding and practical competencies they will need to meet the legal, business, and ethical challenges presented by today's technology start-ups.

Institution has a women's grievance cell named as SHAKTHI . This Committee is leaded by the Chairmanship of Dr.Mrinalini Menon, Associate Professor in Biotechnology Department. Our Institution

also have a disciplinary committee which conducts enquiries for any in-disciplinary acts like attendance irregularity, malpractices in the internal assessment etc.The Institute conducts blood donation camp every semester as per calendar of events. The Institution fulfills its social obligation by conducting some community oriented programs and collecting relief funds at the times of social needs.

The Institution also has well established committees such as the Women's Task Force for protection of Gender rights. The committee members names and mobile numbers are displayed in our Institution website. ECO club brings about awareness about the environment and society. Regular tree plantation programmes are conducted to create awareness about environment and sustainability. The Departments also have a well-established Local Guardian scheme.

| File Description | Document |
| --- | --- |
| Any Additional Inormation | [View Document](#) |

**1.3.2 Number of valued added courses imparting transferable and life skills offered during the last five years**

**Response:** 8

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

Response: 8

| File Description | Document |
| --- | --- |
| Details of the value-added courses imparting transferable and life skills | [View Document](#) |

**1.3.3 Percentage of students undertaking field projects / internships**

**Response:** 28.62

1.3.3.1 Number of students undertaking field projects or internships

Response: 954

| File Description | Document |
| --- | --- |
| Institutional data in prescribed format | [View Document](#) |

## 1.4 Feedback System

**1.4.1 Structured feedback on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni 5) Parents  For design and review of syllabus semester wise/ year wise**
**A.Any 4 of the above**

**B.Any 3 of the above**

**C. Any 2 of the above**

**D. Any 1 of the above**

**Response:** B.Any 3 of the above

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

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

**B. Feedback collected, analysed and action has been taken**

**C. Feedback collected and analysed**

**D. Feedback collected**

**Response:** B. Feedback collected, analysed and action has been taken

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

# Criterion 2 - Teaching-learning and Evaluation

## 2.1 Student Enrolment and Profile

### 2.1.1 Average percentage of students from other States and Countries during the last five years

**Response:** 22.65

2.1.1.1 Number of students from other states and countries year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 256     | 242     | 225     | 227     | 204     |

| File Description | Document |
|------------------|----------|
| Any additional information | [View Document](#) |
| List of students (other states and countries) | [View Document](#) |
| Institutional data in prescribed format | [View Document](#) |

### 2.1.2 Average Enrolment percentage (Average of last five years)

**Response:** 86.55

2.1.2.1 Number of students admitted year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 983     | 1035    | 1042    | 1030    | 1011    |

2.1.2.2 Number of sanctioned seats year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 1186    | 1186    | 1174    | 1174    | 1174    |

| File Description | Document |
|------------------|----------|
| Institutional data in prescribed format | [View Document](#) |

### 2.1.3 Average percentage of seats filled  against seats reserved for various categories as per

**applicable reservation policy during the last five years**

**Response:** 64.57

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 266 | 276 | 265 | 279 | 241 |

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

## 2.2 Catering to Student Diversity

**2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners**

**Response:**

Our institution has Student Information portal (SIS) in which all the data about student will be available. Each and every student is given separate login and password in the SIS portal. The details of the students attendance and test marks will be available in the student information portal. From this information faculty will identify the slow learners and advanced learners. Each faculty member is allotted a set of 20 students as local guardian under the Local Guardian (LG) Scheme. All the information regarding the students are maintained by them. The faculty meet the students regularly and find if they have any problem regarding the academics.

*Slow learners*

Slow learners are identified through interactive classroom teaching and classroom discussions and counselled. The department also has provision of class tests through which faculties can identify slow learners.

The attendance and performances in the internal tests of the slow learners are informed to their parents over the phone. For the identified slow learners additional classes (tutorial and remedial class) are being conducted to improve their academic performance. Tutorial and remedial classes are conducted to enhance the understanding skills of slow learners. Question bank will be provided for such students in order to prepare them for the exams with frequently asked questions. The students also get opportunity to participate in several Student Development programmes. The students are constantly encouraged and guided for preparation of various competitions. The local guardian has to find if the student has any other problem and resolve it.

*Advanced learners:*

Advanced learners are recognized through interactive classroom teaching and classroom discussions. The department also has provision of class tests and quiz through which faculty can identify advanced learners.

Department identifies and responds to special educational / learning needs of advanced learners by suggesting various project activities. The students also get opportunity to participate in several national events. The students are constantly encouraged and guided for preparation of various competitions. The students are also encouraged to participate in symposiums, paper presentations, poster presentation and quiz contests.

Department respond to learning needs of advanced learners by organizing experts lectures from renowned experts. Organizing industrial visits and programs of professional bodies like IEEE, CSI, IETE, ISTE etc. Such students are provided with the additional training aids such as additional library books. They are given the opportunity to utilize the laboratories in the extended hours and they will be encouraged and taught to do the experiments beyond the syllabus.

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

## 2.2.2 Student - Full time teacher ratio

**Response:** 17.09

| File Description | Document |
|---|---|
| Institutional data in prescribed format | [View Document](#) |

## 2.2.3 Percentage of differently abled students (Divyangjan) on rolls

**Response:** 0.12

2.2.3.1 Number of differently abled students on rolls

Response: 4

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

# 2.3 Teaching- learning Process

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

**Response:**

The learning is being made student centric by supporting the students at various levels. The students are encouraged to interact with the faculty and the counsellor regularly and when there is a need. Self-learning/ experiential learning components have been introduced in which innovative topics are discussed in the class. In case of PG programs seminars and design problems are assigned and to be verified in laboratory, this gives an opportunity for experiential learning. Students are encouraged to contribute technical articles to improve written skills. Seminars /Guest Lectures/ Conferences are organized so that the students, refer many journals and reference books for seeking additional information.Students are advised to become members of Professional technical societies. Internships help students to acquire deeper understanding, both theoretical and practical. Student groups take up projects like Vunkan motor vehicle for formula race , unmanned aviation vehicles, robotics etc. to bring their ideas in practice and thereby developing self-discipline, managerial skills, and problem solving capabilities.

**2.3.2 Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.**

**Response:** 46.67

2.3.2.1 Number of teachers using ICT

Response: 91

| File Description | Document |
|---|---|
| List of teachers (using ICT for teaching) | View Document |

**2.3.3 Ratio of students to mentor for academic and stress related issues**

**Response:** 18.52

2.3.3.1 Number of mentors

Response: 180

| File Description | Document |
|---|---|
| Year wise list of number of students, full time teachers and students to mentor ratio | View Document |

**2.3.4 Innovation and creativity in teaching-learning**

**Response:**

In order to impart more innovative approaches in the teaching-learning process, the institution motivates all the faculty members to attend FDPs, National and International Seminars, Conferences/Workshops

organized by reputed institutions. Working prototype models are also shown in the class rooms. Role plays, simulation studies, Quiz, Powerpoint Presentations, surveys and demonstrations are also incorporated in teaching methodology. In the laboratory oriented courses, students are given the freedom to conduct certain experiments, to strengthen the theoretical concepts they are taught in the class room, under the supervision and guidance of the faculty laboratory incharges. Variety of software tools, systems with internet down loading facility are made available to the faculty to enable them to teach certain topics through extensive simulation techniques. Apart from classroom interactions, the students undergo in-plant training, visit industries, present papers, carry out in-house projects, and take up paper publication etc., and faculty give them guidance in all such activities so that the class room learning is effectively and innovatively supplemented.

## 2.4 Teacher Profile and Quality

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

**Response:** 99.47

| File Description | Document |
| --- | --- |
| Year wise full time teachers and sanctioned posts for 5 years | View Document |

**2.4.2 Average percentage of full time teachers with Ph.D. during the last five years**

**Response:** 9.45

2.4.2.1 Number of full time teachers with Ph.D. year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
| --- | --- | --- | --- | --- |
| 22 | 20 | 21 | 15 | 11 |

| File Description | Document |
| --- | --- |
| List of number of full time teachers with PhD and number of full time teachers for 5 years | View Document |

**2.4.3 Average teaching experience of full time teachers in number of years**

**Response:** 14.12

| File Description | Document |
| --- | --- |
| List of Teachers including their PAN, designation,dept and experience details | View Document |

**2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years**

**Response:** 0.21

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 1 | 1 | 0 | 0 | 0 |

| File Description | Document |
|------------------|----------|
| e-copies of award letters (scanned or soft copy) | [View Document] |
| Institutional data in prescribed format | [View Document] |

**2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years**

**Response:** 13.2

2.4.5.1 Number of full time teachers from other states year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 26 | 29 | 25 | 24 | 21 |

| File Description | Document |
|------------------|----------|
| List of full time teachers from other state and state from which qualifying degree was obtained | [View Document] |

## 2.5 Evaluation Process and Reforms

**2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level**

**Response:**

Institute follows a planned schedule with calendar of events which provides information on tests, test marks entry, holidays, Techno Cultural events, LG counselling etc. The Institute has introduced the online delivery of question papers named as QPDS (Question Paper Delivery System).

The institute maintains a well-coordinated examination cell through which internal tests are conducted smoothly. Internal evaluation is entirely the responsibility of the teacher teaching the course. However, the institute has ensured the credibility of the system by introducing various internal checks, and also by making it sufficiently transparent . A student is free to interact with the teacher and seek clarifications about the marks awarded in a particular test or quiz, if necessary.

The continuous evaluation provides more opportunities to the teachers to get feedback as to the progress of students and their own performance and apply mid-course correction, if necessary. The varied nature of these evaluation instruments does provide opportunities to judge different aspects of a student's understanding of the subject. In th begining of the course, the Course outcomes(CO) are well communicated to the students.

To evaluate traits such as the depth of students knowledge, skills, application of principles to problem solving, creativity, ability to communicate and ability to face unknown situations etc., various instruments of evaluation are adopted. These are evaluated through tests and home assignments. Some of these instruments are written and some are oral such as viva –voce. Practical subjects/Lab tests are evaluated by distributing marks separately for record submission, conduction of experiment and viva-voce.

Seminars for final year students are evaluated by panel of teachers for 50 Marks. To value the project and project reports of final year students respective guides are allocated for a batch of two to four students.

The internal test question paper is set for part of the syllabus covered until the test. Portions and pattern of the question paper is informed to the students by the subject teacher. As per CBCS scheme the internal question paper is set for 30 marks which is later consolidated to 15 marks. Assignments carry 5 marks, total internal marks being 20.The key/scheme of valuation is prepared by the subject teacher before evaluating the answer scripts.

Three internal tests are conducted to evaluate the performance of students and the best out of two is considered for the award of the internal marks. A MOCK examination is given as the third test for subjects which are found to be difficult. It covers the whole course and tests the students ability to integrate and interlink the various concepts and tools of analysis to which they have been exposed. The internal marks are awarded based on internal test performance, assignment and quiz.

The Institute maintains very strict, impartial, impersonal, confidential and vigilant conduct and administration of internal examination aided with in-house supervision, strictly adhering to University norms with regards to evaluation.

The internal test marks are entered in SIS (Student Information System) maintained by the college. The internal test marks are intimated to the parents through post and SMS.

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

## 2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

**Response:**

On the induction day the first year students and parents are made aware of the internal assessment and evaluation. For instance, in the CBCS , university allots 80% marks for end semester and 20% for Internal tests.The academic calendar of the institute is prepared in relevance with the university calendar. The internal assessment dates are announced well in advance  prior to the commencement of the semester in the calendar of events.

The Institute has separate Examination cell comprising of senior faculty members and a team of teaching and non-teaching staff members. An effective Question Paper Delivery System(QPDS) is in place. QPDS avoids  leakage  of question papers and ensures timely delivery of question papers. Pattern of question papers for internal assessment are same as that of the university exam and the template is available in the QPDS. Blooms taxonomy is followed while setting the question paper and the questions are mapped with their relevant course outcomes. The record of the number of answer scripts of each department are done by separate team.

All the students are aware of the examination system and it is transparent. Sir MVIT puts its best efforts to have transparency in the internal assessment marks which is displayed in student information system and notice boards after evrey internal exams are over. A result analysis meeting will be conducted after every internal test is over. A class committee meeting will be conducted and reasons for poor results will be discussed. The test answers, scheme of evaluation and model papers are given to the students. Student gets opportunity to discuss the performance in the tests with the concerned teachers.

A department level meeting is conducted after every internal tests and the result analysis is done. The slow learners are identified and remedial classes are conducted for them.  As per the University directions, weightage is given to attendance, student performance in tests, assignments and classroom participation while deciding the internal marks.

The performance of the students regarding the internal test marks and attendance are entered in SIS (Student Information System). The parents are informed about the internal assessment marks through SMS and posts.

## 2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

**Response:**

College level grievance redressal:

- There is a Grievance Cell in at Sir MVIT headed by senior Professor Dilip. K.Sen, HOD of Computer science Engineering department.
- Suggestion and grievances box is kept near the Principal chamber and HOD rooms to address the queries.
- At the end of each Internal Assessment test, students have the opportunity to discuss the evaluation of his blue books with subject teacher and get redressal for any of their grievances.Also they can approach the local guardians.

- The students can also approach the HOD or the Principal if the need arises.
- Re-tests are conducted for the students who got the prior permission for their absence due to genuine reasons.

University level grievance redressal:

- Immediately after a particular exam, if there are questions from 'out of syllabus', or if there is any error in the question, question paper being tough, students can inform their grievance to the subject faculty who in turn writes a letter to the controller of examinations. The CoE shall do the needful as per the standard practices.
- Students can apply for revaluation of their semester examination answer paper in a theory course within two weeks from the declaration of results, if they are not satisfied with the first evaluation.
- Students can also apply for the photocopy of their answer scripts and discuss with their respective course faculty.
- If the answer script deserves more marks than the awarded marks in the first evaluation, students can apply for review with the recommendation of the HOD of the respective department.
- As per university norms revaluation is not permitted for practical courses and project work.

- Mr. L.K.Muralidhara – University Examination Incharge takes care of most of the problems faced during the examination in consultation with the Principal.

| File Description | Document |
| --- | --- |
| Link for Additional Information | [View Document] |

**2.5.4 The institution adheres to the academic calendar for the conduct of CIE**

**Response:**

Ø Institute follows a planned schedule like academic calendar which provides information on tests, test marks entry, holidays, LG counselling etc.

Ø The academic calendar of the institute is planned well in advance based on the calendar provided by the university and the same is displayed on the notice boards for the benefit of the students.

Ø The institute conducts CIE for all the branches in a centralised manner as per the academic calendar.

Ø If the CIE gets cancelled due to bandh, strikes etc. arrangements are made to conduct the internal exams on an alternate date and the same is intimated to all concerned through circulars.

| File Description | Document |
| --- | --- |
| Any additional information | [View Document] |

## 2.6 Student Performance and Learning Outcomes

**2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students**

**Response:**

Yes, Program outcomes, program specific outcomes and course outcomes for all programs are displayed in the website and also communicated to students. Most of these are common across departments and a few of these are programme specific. These outcomes are also widely publicized through

- Display boards in various departments and corridors
- Department notice boards/Magazines/Lab Manuals/Department newsletters.
- IQAC also creates awareness periodically

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

**2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution**

**Response:**

Each Course Outcome of individual courses is assessed with respect to the attainment level. The attainment level is judged based on the student average performance in the internal / university examination reflected in the result analysis. Attainment is measured in terms of actual percentage of students getting a set percentage of marks. If targets are achieved, then all the course outcomes are attained for that year and the program is expected to set higher targets for the following years as a part of continuous improvement. If targets are not achieved the program should put in place an **action plan** to attain the target in subsequent years.

Course outcomes are measured based on the individual marks obtained by the students against the maximum marks. Every subject faculty will set a target to achive. If entire class crosses this target , the particular CO is attained. This process is carried out for the entire class and final CO(Course outcome) attainement will be calculated for the particular Test.To calculate the CO attainment for a subject in the end semester examiantion, target is fixed for the subject. If number of students get marks more than this target then CO is attained, as university does not provide inddividual marks for each question.

The courses are also mapped with their relevant Program outcomes(PO) and PSO(Program Specific outcome(PSO) and their attainment is also calculated. All these are calculated and the attainment is evaluated using the excel macros developed by Dr. G.C. Bhanuprakash,Professor, Department of Computer Science and Engineeing.

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

| | |
|---|---|
| **2.6.3 Average pass percentage of Students** **Response:** 95.56 | |
| 2.6.3.1 Total number of final year students  who passed the university examination Response: 774 | |
| 2.6.3.2 Total number of final year students who appeared for the examination Response: 810 | |

| File Description | Document |
|---|---|
| Institutional data in prescribed format | View Document |

## 2.7 Student Satisfaction Survey

| | |
|---|---|
| **2.7.1 Online student satisfaction survey regarding teaching learning process** **Response:** | |

| File Description | Document |
|---|---|
| Database of all currently enrolled students | View Document |

# Criterion 3 - Research, Innovations and Extension

## 3.1 Resource Mobilization for Research

**3.1.1 Grants for research projects sponsored by non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years**

**Response:** 3.14

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year wise during last five years(INR in lakhs)

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 3.14    | 0       | 0       | 0       | 0       |

| File Description | Document |
|------------------|----------|
| List of project and grant details | [View Document](#) |
| e-copies of the grant award letters for research projects sponsored by non-government | [View Document](#) |

**3.1.2 Percentage of teachers recognised as research guides at present**

**Response:** 11.28

3.1.2.1 Number of teachers recognised as research guides

Response: 22

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

**3.1.3 Average number of research projects per teacher funded by government and non government agencies during the last five years**

**Response:** 0.01

3.1.3.1 Number of research projects  funded by government and non-government agencies during last five years

Response: 10

| File Description | Document |
|---|---|
| List of research projects and funding details | [View Document](#) |

## 3.2 Innovation Ecosystem

**3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge**

**Response:**

**BIG (Biotechnology Ignition Grant) - Incubation center :** One of our Alumni Mr.Srinivas (M.Tech) established BIG Incubation center at our campus and the company is named **Aspartika Biotech Pvt. Ltd.** The Biotechnology Ignition Grant (BIG) scheme of the Biotechnology Industry Research Assistance Council (BIRAC), Government of India. The major focus of the company is development of omega-3 fatty acid from the cheapest sources for human and animal use. They are developing livestock feeds.Furthermore, the company provides a one point solution for intellectual property rights. **FNDR (Foundation for Negelected Disease Research) Incubation center:** is a Private limited company having its office at VE-305 , PoorvaVeniezia, Yelahanka road, Near Mother dairy Attur layout Bangalore India represented by **Dr. Shridhar Narayana**. This center is basically working on Malaria and Tuberculosis Diseases funded by a Pharmaceutical industry named Astera Zeneca, Welcome trust  Bill gates foundation and also from Sweden and TB alliance USA. **MallipathraNeutraceuticalsPvt. Ltd. :**This company is actively involved in neutraceutical development. Their present main focus is in *Cordyceps* based nutritional products.**Krimmi Biotechnology Pvt Ltd.**:One of our B.Tech alumni Mr.GauravBharadwaj established Krimmi Biotechnology Pvt Ltd. And it is incubated at MVIT to execute research projects related to  Nutraceuticals and cosmeceuticals.

**INNOVATIVE PROJECTS MADE BY THE STUDENTS OF MECHANICAL ENGINEERING**

Mechanical Engineering department encourages students to participate in various competitions at National/International level, every year. Students are taking these innovative projects with interest and have won awards and good appreciation everywhere they participated. This trend is continuing in the department, with the support of the faculty members.  *Team INFERNO: Team INFERNO's car project successfully participated in Shell Eco Marathon Asia competition.*

| Sl No. | Year | Vehicle Name | Place Held | Innovations/Achieve |
|---|---|---|---|---|
| 1 | 2012 | Drona | Kulalampur, Malaysia | Design of the vehicle was awa that  category. |
| 2 | 2014 | Vidur | Manila, Philippines | Weighed 37 kg and one of the competition. |
| 3 | 2015 | Ekalavya | Manila, Philippines | Most cost efficient v |
| 4 | 2016 | Yaksha | Manila, Philippines | Lightest among Indian tea around 50 kg. Ranked 9th in A 1st in India. |
| 5 | 2017 | Dhruva | Singapore | Cleared technical and safet |

*Team FUTURAMIC car project successfully participated in various Shell Eco Marathon Asia as listed below:.*

| Sl No. | Year | Place Held | Innovations/Achievements |
|---|---|---|---|
| 1 | 2014 | Manila, Philippines | Cleared safety and technical round and achieved 61.5 kmpl |
| 2 | 2015 | Manila, Philippines | Secured 7th place in Aisa Urban Concept and achie of 91.3 kmpl |
| 3 | 2017 | Singapore | Cleared technical and safety round. |
| 4 | 2018 | Singapore | Preparing to participate at Singapore, March |

1.*Team HELIOS: Won I prize in endurance test and V place in "Human Power Vehicle Challenge" a competition held at VIT University, Vellore, during February 2016.*

2. *Asphalt Demons- Bike: won 5th place in competition held at Acharya Institute of Technology, during February 2016.*

3.Vulkan Motors*: Students of Sir MVIT have designed and fabricated a Formula Car for participation in various International events.*

### 3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

**Response:** 10

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 4 | 3 | 1 | 2 | 0 |

| File Description | Document |
|---|---|
| List of workshops/seminars during last 5 years | [View Document](#) |

## 3.3 Research Publications and Awards

### 3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

**Response:** Yes

| File Description | Document |
|---|---|
| Institutional data in prescribed format | View Document |

### 3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

**Response:** Yes

| File Description | Document |
|---|---|
| List of Awardees and Award details | View Document |
| e- copies of the letters of awards | View Document |

### 3.3.3 Number of Ph.D.s awarded per teacher during the last five years

**Response:** 0.32

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 7

| File Description | Document |
|---|---|
| List of PhD scholars and their details like name of the guide , title of thesis, year of award etc | View Document |

### 3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

**Response:** 0.1

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 19 | 23 | 12 | 14 | 25 |

| File Description | Document |
|---|---|
| List of research papers by title, author, department, name and year of publication | View Document |

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

**Response:** 0.03

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 7       | 5       | 6       | 5       | 1       |

| File Description | Document |
|------------------|----------|
| List books and chapters in edited volumes / books published | [View Document]() |
| Any additional information | [View Document]() |

## 3.4 Extension Activities

### 3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

**Response:**

Jaivik Forum, Department of Biotechnology and Eco club, Sir MVIT, with due financial support from our trust Sri Krishnadevaraya Educational Trust, jointly organized a Biofuel Awareness Program on Saturday, the 14th September 2013. Karnataka State Council for Science & Technology (KSCST), Bangalore and Karnataka State Biofuel Development Board (KSBDB), GOK also joined hands to support the event. A popular talk was delivered by Shri Y B Ramakrishna, Former Executive Chairman, KSBDB on "Overview of Biofuels: Career and Research Opportunities", under the aegis of KSCST sponsored Lecture Series on Biofuels. This program was conducted to create awareness on sustainable energy sources and also to make them ambassadors to society to create awareness among the people. As part of the program me about 100 biofuel and medicinal plants were planted in the campus. Anveshana is one platform where engineering students could collaborate with high school students to create innovative models to address real life problems. Our students have actively involved in this activity since 5 years and motivated many rural school students towards science and technology. The Department has conducted 4 Biotechnology awareness programms for Class X and XII students. Hands on training is also given to class XII to kindle their interests in Life sciences. The Department of Chemistry under the Science Forum Avishkara has conducted Essay writing competitions on "on various current affairs topics. Our institution undertakes community based activity through various associations like N.S.S., Alumni Association, etc. Activities like Tree plantation, Blood donation, Eye checkup camp, Medical camps are regularly conducted., Students organize conferences and workshops to enhance their organizational skills.The institution has undertaken following concrete measures to enhance N.S.S contribution. NSS Unit of the institute periodically arranges Blood donation camp, free Medical Checkup camps, free dental check up, free physiotherapy programme at its sister organizations at its Dental College . Institute keeps in regular touch with NGOs operating in the region such as Art of living, Youth for seva, Anti Tobacco rally, planting tree, Go Green

initiative to motivate other youth activities such as environment protection programme, health care for elderly and other social activities. Events like observing the International day against Drug Abuse and trafficking create a unique impact on the students campus experience. When the students visit orphanages, old age homes or government schools in and around the college, they are able to understand the situations and their circumstances and thus empathize with the people.

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

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

**Response:** 0

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 |

| File Description | Document |
|---|---|
| Number of awards for extension activities in last 5 years | [View Document](#) |

## 3.4.3 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

**Response:** 25

3.4.3.1 Number of extension and outreach programs conducted in collaboration with industry,community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc.,year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 4 | 4 | 5 | 6 | 6 |

| File Description | Document |
|---|---|
| Number of extension and outreach programs conducted with industry,community etc for the last five years | <span style="color:blue">View Document</span> |

**3.4.4 Average percentage of students participating in extension activities with Government Organisations,  Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years**

**Response:** 50.6

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 970 | 872 | 157 | 330 | 232 |

| File Description | Document |
|---|---|
| Average percentage of students participating in extension activities with Govt. or NGO etc. | <span style="color:blue">View Document</span> |

## 3.5 Collaboration

**3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years**

**Response:** 149

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 29 | 41 | 66 | 7 | 6 |

| File Description | Document |
|---|---|
| Number of Collaborative activities for research, faculty etc. | <span style="color:blue">View Document</span> |

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

**Response:** 11

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 2       | 1       | 3       | 3       | 2       |

| File Description | Document |
|------------------|----------|
| Details of functional MoUs with institutions of national, international importance,other universities etc. during the last five years | View Document |

# Criterion 4 - Infrastructure and Learning Resources

## 4.1 Physical Facilities

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

**Response:**

| Total Number of Class rooms | Tutorial rooms | Laboratories | Research Laboratories | Total number of Computers | Drawing hall | Library and reading room | Seminar hall |
|---|---|---|---|---|---|---|---|
| 44 | 5 | | 63 | 884 | 2 | 2 | 8 |

| File Description | Document |
|---|---|
| additional information | [View Document](#) |

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

**Response:**

**DEPARTMENT OF PHYSICAL EDUCATION & SPORTS**

Department of physical education has good facilities of 30 acres of play filed. Students are regularly participating in various sports activities organized by Visvesvaraya Technological University, Belgaum and also other organizations, won many prizes and brought laurels to our Institution.

The Institution has appointed qualified coaches for Football, Volleyball, Cricket. Basketball, Judo, Wrestling, Handball, Softball, Weight lifting and Power Lifting teams.

**OUTDOOR SPORTS FACILITIES:**

1. Cricket Field (75 Yards)

2. Foot Ball Field

3. Athletic Track (79.mts Strait 400 Mts. 8 Lanes Track)

4. Basket Ball Court (Cement)

5. Tennis Court (Clay)

6. Ball Badminton Courts – 2 Nos.

7. Volley Ball Courts – 2 Nos.

8. Kho-Kho Court -1No

9. Kabaddi court -1 No

10. Tenicait court -1No

11. Throw Ball court -1

**INDOOR SPORTS FACILITIES:**

1. Badminton Courts – 2 Nos. (one cement and one wooden court)

2. Table Tennis Table – 3 Nos.

3. Chess & Carom Room.

**GYMNASIUM FACILITY:**

1. 12 Station Multi Station Hydraulic Gym.

2. Treadmill

3. Cycle.

4. Bike

5. Dumbbell & Plate Set.

6. Weight lifting set 2 Nos.

7. Bench Press 2 nos

**UTILIZATION OF GROUNDS BY EXTERNAL AGENCIES:**

Sir M.VIT Cricket field is well maintained and utilized by the Karnataka State Cricket Association for their league tournament and also other private clubs.

In general, we are very happy that our students have placed very high in the field of sports activities in the university, State and as well at National level. With this we are proud to say that our college stands

1. **10th Position** in sports activities under VTU ranking. Out of 206 colleges 2012-2013
2. **9th Position** in sports activities under VTU ranking. Out of 206 colleges 2013-2014
3. **12th Position** in sports activities under VTU ranking. Out of 206 colleges 2014-15
4. **10th Position** in sports activities under VTU ranking. Out of 206 colleges 2015-16

The Management is very kind enough to felicitate the outstanding sports person of the college team on the College Day Celebration by giving Cash Award of Rs.2,500/- and a Track Suit to each player who represent VTU, Belgaum. And for in individual prize winner 1st, 2nd & 3rd Place each player will be award cash Rs.3,000/-, Rs.2,500/-, Rs.2,000/ and a Track Suit worth Rs.750/-.

With the co-operation of the Management and guidance of the Principal and also the staff, the Physical Education Department is able to organize sports activities.

**PRIZES AND MEDALS WON BY STUDENTS:**

We are very happy that our students excelled in various sports competitions of VTU and Other Colleges conducted in the years.

1. **2012-13** Judo Runners up, and Volleyball winner Basketball Runners up and Bangalore zone & Inter Zone Football Runners up, total 3 Trophies & 7 Medals in the VTU & Other Inter-Collegiate Tournaments. 08 Students have represented VTU in different disciplines.
2. **2013-14** Cricket Runners Up, Basketball Winner Bangalore zone & Inter Zone 4th Place, Football Winner, Badminton Winner, Softball Runners Up and table Tennis 3rd Place total 5 Trophies & 6 Medals in the VTU & Other Inter-Collegiate Tournaments. 12 Students have represented VTU in different disciplines.
3. **2014-15** Basketball Winner Bangalore zone Football Winner, Hockey Winner, Cricket Winner, Badminton Winner    total 8 Trophies & 6 Medals in the VTU & Other Inter-Collegiate Tournaments. 8 Students have represented VTU in different disciplines.

1. **2015-16** VTU Bangalore zone Basketball Winner Football Winner, Hockey Winner, Cricket Winner, Throw Ball Winner and Badminton (M & W) Runners up    total 7 Trophies & 8 Medals in the VTU & Other Inter-Collegiate Tournaments. 9 Students have represented VTU in different disciplines

**ORGANIZED INTER COLLEGIATE TOURNAMENTS:**

1. VTU 14th Inter Collegiate Athletic Meet from 13th to 16th April 2011.
2. VTU Bangalore North Zone Football tournament to on from 2nd to 4th April 2012
3. VTU Bangalore North Zone Volleyball tournament to on 18th & 19th Feb 2013
4. VTU Bangalore North Zone Handball tournament to on 18th & 19th March 2013
5. VTU Bangalore North Zone Volleyball tournament on 18th & 19th March 2014
6. VTU Bangalore North Zone Softball tournament to on 27th & 28th Sept 2014
7. VTU Bangalore North Zone Football tournament to on 10th & 11th March 2015
8. VTU Bangalore North Zone Kabaddi tournament to on 24th & 25th April 2015
9. VTU 18th Inter Collegiate Athletic Meet from 24th to 27th March 2016.

**ORGANIZED UNIVERSITY TEAM SELECTION TRIALS**

1. VTU Bangalore North Zone and Inter Zone Cricket team selection trials on 8th & 9th and 11th to 13th October 2012
2. VTU Bangalore North Zone Cricket team selection trials on 28th & 29th October 2013
3. VTU Bangalore North Zone and Inter Zone Cricket team selection trials on 28th & 29th Sept 2015

**ORGANIZED UNIVERSITY COACHING CAMPS:**

1. VTU Handball Men team coaching camp on December 2013
2. VTU Softball Men team coaching camp on Feb 2013
3. VTU Cricket Women team coaching camp on December 2014
4. VTU Hockey Men team coaching camp on Jan 2015
5. VTU Cricket Men team coaching camp on January 2016

Our student have represented Visvesvaraya Technological University in Foot Ball, Volley Ball, Cricket, Cross Country, Hockey, Basket Ball, Kho-Kho, Ball Badminton, Judo, Wrestling, Badminton, Athletic, Handball and Softball.

**REWARDS:**

The Management is very kind enough to felicitate the outstanding sports persons of the college on the **COLLEGE DAY** by giving a cash Prize of **Rs.2, 500/-**for those who represented **VTU** and  1st Place **Rs. 3,000/-** 2nd place **2,500/-**and 3rd place **2,000/-**and a Track Suit to each Player for securing Individual Medal.  The Department of Physical Education is grateful to the Management for this support.

**PHYSICAL EDUCATION DIRECTOR ASSIGNMENTS**

1. Visvesvaraya Technological University has been nominated as Sports & Cultural Committee member and Bangalore north zone regional Director for Sports for the period 2011 to 2017.

1. Physical Education Director of Sir MVIT has been nominated as a Selection Committee Member for major sports and games of Visvesvaraya Technological University.RAJESH.Y.H, Physical Education Director

**SUSAMSKRITI - The cultural forum of SIR M.VIT**

"SUSAMSKRITI",The cultural forum of  "SIR M.VIT" established in the year of 1995. We have been continuously engaged in conducting cultural activities in the campus. We also encourage students in participating in various cultural activities conducted in and outside the campus. We have two auditoriums to conduct cultural activities in campus. We also have forum room to conduct meetings, group discussion behind college canteen.

We host one intra collegiate fest called "VERVE ", one inter-college fest called "KALANJALI" and a Kannada fest called"HONGIRANA".

Various reports:

In the year 2015 we hosted "VERVE" and"KALANJALI "with 7 indoor stages. We had LED wall setup in main auditorium and with monitors, flying speakers etc.

We had 40 students participating in the "16'th VTU INTERCOLLAGIATE YOUTH FESTIVAL" hosted by "Alvas College Of Engineering" Moodbidre .

In the year 2016 we hosted "VERVE" with 7 indoor stages.

For "KALANJALI 2016 "we had setup temporary super structure with seating capacity of 1000 along with 6 indoor stages. We had footfall off 2000+ audience and 300+ participants from various colleges across Bengaluru.

"THE 17'Th VTU INTERCOLLAGITE YOUTH FESTIVAL" was hosted by "SUSAMSKRITI", the cultural forum of Sir M.VIT, Bengaluru from 16'Th March 2017 to 19'th March 2017. We had two super structures along with 7 indoor stages. The festival witnessed 90 VTU colleges participating with 2300 participants. We provided top quality accommodation for 1500 outstation students and food for all 3000 participants along with faculty hailing from various parts of the state. For the first time VTU YOUTH FESTIVAL had a 100% of online registration with the help of web applications designed by students. There were a total of 75 state and national level professional judges for 25 events appointed a week before the event.

We installed hanging LED walls and flying speakers for the super structure.

We also hosted"HONGIRANA" the Kannada Fest in 2017 which was held in the month of November. The event had various cultural activities conducted along with performances from reputed artistic groups.

The various performances organized by the during various cultural fests were

- A talk show by Gangavathi Pranesh and team.
- A talk show by Prof Krishnegowda.
- A puppet show by Mrs. Indushree.
- A talk show by Sudha **B**harguru.
- The perofmance of "The Shadows" band.
- A Kathak  dance by Prerana Shrimaliand her troupe
- Yakshagana in association with SPIC MACAY by Sri Idagunji Mahaganapathi Yakshagana Mandali
- A performance by Etram dance academy Bengaluru
- A performance by national level band called Aatma.

Some of the achievements of this forum are

- The theater club of Sir M.VIT "GAP" nailed "FIRST "place at RVCE, BMSCE ,and "SECOND" at "CMRIT" and "NMIT" and secure FIRST in MIME at MVJCE and achived "WINNERS" title at CMRIT.
- Ahishek Chinthamani secured FIRST in photography and Meghana secured THIRD in

Painting at the VTU YOUTH FESTIVAlheld at Alvas college of engineeringMoodbidre

The guests attending the fests held were

- In the year 2015 renowned Telugu cine actor Mohan Babu and Smt.Aparna Vastarey ,renowned Kannada cine artist were invited as chief guests to "KALANJALI"
- In the year 2016 Sreenath, renowned kannada cine actor and Sangeetha Katti  Kulakarni  a renowned singer attended the "KALANJALI" as chief guests.
- In the year 2017 "VTU YOUTH FESTIVAL" had Dr.M H Ambareesh a renowned Kannada cine actor and Smt. Vyjayanthi Kashi, renowned Kuchupudi dancer on the first day. On the second day

Dr.Jagannath Reddy, VTU registrar and Dr. Suma Sundhindra, renowned veena artist.

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

**Response:** 76

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 38

| File Description | Document |
|---|---|
| Number of classrooms and seminar halls with ICT enabled facilities | View Document |

## 4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

**Response:** 48.74

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 219 | 209 | 343.7 | 573.22 | 738.4 |

| File Description | Document |
|---|---|
| Details of budget allocation, excluding salary during the last five years | View Document |
| Audited utilization statements | View Document |
| Any additional information | View Document |

## 4.2 Library as a Learning Resource

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

**Response:**

**Name of the  LIMS(Library  Information Management System )Software  Name :- LIBSOFT**

**Nature of Automation:- Fully automated**

**Version:- 9.8**

We are having **LIBSOFT** a multi user package designed and developed for library Automation for effective management of a library books from all aspects. This package has been designed to handle huge volumes at lightening speed thus saving manpower in the college. Libsoft is a Windows / Web based software and it runs in any Windows environment and hence it has excellent Graphical User Interface.

**LIBSOFT** is an effective source of information of all kinds to be shared by people of all kinds. complete automation of all the libraries and a dedicated, centralised server to host information available at different libraries will help in effective sharing of information. Our library is completely computerised only if the user, irrespective of background or knowledge, is able to access information available in the library from anywhere just by typing few words.

| File Description | Document |
|---|---|
| Link for Additional Information | [View Document](#) |

**4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment**

**Response:**

Our Library is having rare books like Basic Programming , Pascal , Cobol which were the foundations for computing Languages during earlier days are available in our library. The Library knowledge Resources are

**LIBRARY HOLDINGS**

 Total Number of BOOKS :

 Total No. of Titles : 17782

 Total No. of Volumes : 63408

| | | No of Collection | | |
|---|---|---|---|---|
| **Departments** | | **Title** | **Volumes** | **Refere** |
| | Civil Engineering | 1359 | 4712 | **715** (All B |

| | | | |
|---|---|---|---|
| | Biotechnology | 779 | 2250 |
| | Electronics & Communication | 1657 | 6528 |
| **UG** | Electrical & Electronics | 1365 | 6410 |
| | Computer Science | 2565 | 7936 |
| | Information Science | 910 | 3944 |
| | Telecommunication | 628 | 2805 |
| | Mechanical Engineering | 2776 | 6725 |
| | Industrial Engineering Management | 225 | 4867 |
| | Humanities and General Science | 2821 | 7716 |
| | **Total** | **15085** | **53893** |
| | MCA | 1100 | 3647 |
| | MBA | 968 | 4699 |
| **PG** | M.Tech (ME) | 289 | 495 |
| | M.Tech(Electronics) | 290 | 514 |
| | M.Tech(BT) | 50 | 160 |
| | **Total** | **2697** | **9515** |
| **Grand Total** | | **17782** | **63408** |

1. **E-Journals**         **: Subscribed under VTU- consortium**

| **Subscription of E-journals** | |
|---|---|
| 1 | IEEE (CS, E&E, TC ) |
| 2 | Springer (CS, E&E, Mech ) |
| 3 | ASCE |
| 4 | J-Gate |
| 5 | EBSCO |
| 6 | K-Nimbus |
| 7 | Proquest (management & Technology collections) |
| 8 | Taylor & Francis |

1. **No of back volumes**       **: 1374**
2. **Working hours of library**     :   **8:45 A.M. To 9:00 P.M.**
3. **Library Internet  facility**      : Yes
4. **CD / DVDs**           : **1955 CD / DVDs**
5. **Audio-Visual Cassettes**     **: 268**
6. **NPTEL facility in library**      **: Yes**
7. **Library Membership**: **05**
   1. *National Aerospace Laboratories (NAL),* Bangalore
   2. *Central Manufacturing Technology Institute (CMTI),* Bangalore
   3. British Library, Bangalore
   4. DELNET, New Delhi
   5. VTU  consortium – Belgaum

8. **LIBRARY AREA & CAPACITY**

   1. Library Dimension:  Total area of library   = 1400.8 sqm
   2. Seating capacity of the library: 300 seats

   **LIBRARY  STAFFS**       : **07 members**

| S.No | Name of the Staff | Qualification | Desig |
|------|-------------------|---------------|-------|
| 1. | Mr. RAVISH  P.Y. | M.Sc (MLISc), M.Phil. MBA | Libra |
| 1. | Mr. Ramaiah M. | B.A/B. Lib | Clerk |
| 2 | Ms. V.B. Uma Devi | SSLC/C. Lib | Clerk |
| 3 | Mr. M. Balachandra Raju | B.Com, B. Lib | Help |
| 4 | K. Parthasarathi | M.Lib, B. Lib | Atter |
| 5. | Mr. D. Rachappa | SSLC | Peon |
| 6. | Mr. K. Loka Raju | SSLC | Peon |

**LIBRARY FACILITIES**

1. SC & ST Book Bank facility
2. Incentives facility
3. Internet facility
4. Departmental Library facility
5. Hostel library facility

   

6. Digital Library facility
7. Audio-Visual facility
8. WEB OPAC facility
9. Reprographic facility
10. Scanning facility
11. Printing facility

## LIBRARY SERVICES

1. Reference Services
2. Circulation Services
3. Audio-Visual Services
4. Inter Library Loan Services
5. Reprographic Services
6. Incentives Services
7. CAS Services
8. OPAC Services
9. Internet  Browsing Services

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

**4.2.3 Does the institution have the following:**

1. **e-journals**
2. **e-ShodhSindhu**
3. **Shodhganga Membership**
4. **e-books**
5. **Databases**

**A. Any 4 of the above**

**B. Any 3 of the above**

**C. Any 2 of the above**

**D. Any 1 of the above**

**Response:** A. Any 4 of the above

| File Description | Document |
|---|---|
| Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc. | View Document |
| Any additional information | View Document |

## 4.2.4 Average annual expenditure for purchase of  books and journals  during the last five years (INR in lakhs)

**Response:** 17.18

4.2.4.1 Annual expenditure for purchase of  books and journals  year wise during last five years (INR in lakhs)

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 20.93 | 21.35 | 15.99 | 13.74 | 13.91 |

| File Description | Document |
|---|---|
| Details of annual expenditure for purchase of books and journals during the last five years | View Document |

## 4.2.5 Availability of remote access to e-resources of the library

**Response:** Yes

| File Description | Document |
|---|---|
| Details of remote access to e-resources of the library | View Document |

## 4.2.6 Percentage per day usage of library by teachers and students

**Response:** 9.92

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 350

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

# 4.3 IT Infrastructure

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

**Response:**

Our institution is having a ploicy of upgrading the IT infrastructure by replacing the old computers depending upon the requirements as per the updation in the University Curriculum. We are having a total number of 884 Computers well connected with the Internet.Our Sir MVIT Campus is having 60 MBPS of high speed internet facility. The institute has a 24X7 Wi-Fi facility in the college campus for the student and faculty members to avail internet connection at any place in the college, hostel & canteen.

The connectivity through a fully networked campus with IT infrastructure, computing & communication resources, offers students the facilities of e-mail, net surfing, up/down loading of web based application, besides helping them in preparing projects & seminars.

Our campus is having exclusive browsing center for the students and staffs and Internet connectivity in the Hostel Library also

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

## 4.3.2 Student - Computer ratio

**Response:** 3.77

| File Description | Document |
|---|---|
| Student - Computer ratio | [View Document](#) |

## 4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
**<5 MBPS**

**5-20 MBPS**

**20-35 MBPS**

**35-50 MBPS**

**Response:** >=50 MBPS

| File Description | Document |
|---|---|
| Details of available bandwidth of internet connection in the Institution | [View Document](#) |

**4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)**

**Response:** Yes

| File Description | Document |
| --- | --- |
| Facilities for e-content development such as Media Centre, Recording facility,LCS | |

## 4.4 Maintenance of Campus Infrastructure

**4.4.1 Average Expenditure incurred on maintenance of  physical facilities and academic support facilities excluding salary component, as a percentage during the last five years**

**Response:** 31.66

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
| --- | --- | --- | --- | --- |
| 189 | 180 | 89.9 | 153 | 744 |

| File Description | Document |
| --- | --- |
| Details about assigned budget and expenditure on physical facilities and academic facilities | |

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

**Response:**

Proper utilization of financial resources are planned at the beginning of every financial year.  The budget details for  every year is collected during the starting of every academic year. The utilization of the current year approved budget is approved by the management on time.  Finance department takes care of the collection of tuition fees, salary distribution, tax payment, loan distribution, Preparing purchase orders for the laboratory equipment, teaching aids, furniture, and the facilities, payment of bills and maintaining the department budget allocation and expenditure etc.

   The institution allocates funds for Research and Development every year financial year. This research fund is utilized effectively for the purpose of  Research and development activities  in the institution like student innovative projects,  incubation  centres, supporting faculty to attend international conferences even in foreign countries. All the  financial transaction is recorded. All financial procedures and dealings are  audited periodically every year by the Auditors.

| File Description | Document |
| --- | --- |
| Any additional information | <u>View Document</u> |

# Criterion 5 - Student Support and Progression

## 5.1 Student Support

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

**Response:** 70.61

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 851 | 938 | 833 | 506 | 473 |

| File Description | Document |
|------------------|----------|
| Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years | [View Document](#) |
| upload self attested letter with the list of students sanctioned scholarships | [View Document](#) |

### 5.1.2 Average percentage of students benefitted by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

**Response:** 0

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 0 | 0 | 0 | 0 | 0 |

| File Description | Document |
|------------------|----------|
| Number of students benefited by scholarships and freeships besides government schemes in last 5 years | [View Document](#) |

### 5.1.3 Number of capability enhancement and development schemes –

1. **For competitive examinations**
2. **Career counselling**
3. **Soft skill development**
4. **Remedial coaching**
5. **Language lab**
6. **Bridge courses**
7. **Yoga and meditation**
8. **Personal Counselling**

**A. 7 or more of the above**

**B. Any 6 of the above**

**C. Any 5 of the above**

**D. Any 4 of the above**

**Response:** B. Any 6 of the above

| File Description | Document |
|---|---|
| Details of capability enhancement and development schemes | [View Document](#) |

**5.1.4 Average percentage of student benefitted by guidance for competitive examinations and career counselling offered by the institution during the last five years**

**Response:** 19.14

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 153 | 150 | 207 | 342 | 127 |

| File Description | Document |
|---|---|
| Any additional information | [View Document](#) |
| Number of students benefited by guidance for competitive examinations and career counselling during the last five years | [View Document](#) |

**5.1.5 Average percentage of students benefitted by Vocational Education and Training (VET) during**

**the last five years**

**Response:** 25.12

5.1.5.1 Number of students attending VET year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 237     | 417     | 105     | 166     | 354     |

| File Description | Document |
|------------------|----------|
| Details of the students benifitted by VET | [View Document](#) |
| Any additional information | [View Document](#) |

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**5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**

**Response:** Yes

| File Description | Document |
|------------------|----------|
| Any additional information | [View Document](#) |
| Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee | [View Document](#) |
| Details of student grievances including sexual harassment and ragging cases | [View Document](#) |

## 5.2 Student Progression

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

**Response:** 49.05

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 426     | 548     | 568     | 440     | 446     |

| File Description | Document |
| --- | --- |
| Details of student placement during the last five years | <u>View Document</u> |
| Self attested list of students placed | <u>View Document</u> |

**5.2.2 Percentage of student progression to higher education (previous graduating batch)**

**Response:** 24.85

5.2.2.1 Number of outgoing students progressing to higher education

Response: 241

| File Description | Document |
| --- | --- |
| Details of student progression to higher education | <u>View Document</u> |
| Any additional information | <u>View Document</u> |

**5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: NET/SLET/GATE/ GMAT/CAT, GRE/ TOFEL/ Civil Services/State government examinations)**

**Response:** 91.57

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
| --- | --- | --- | --- | --- |
| 86 | 76 | 93 | 67 | 57 |

5.2.3.2 Number of students who have appeared for the exams year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
| --- | --- | --- | --- | --- |
| 100 | 97 | 96 | 67 | 59 |

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

## 5.3 Student Participation and Activities

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

**Response:** 219

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 60 | 36 | 29 | 35 | 59 |

| File Description | Document |
|---|---|
| Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years | View Document |
| Any additional information | View Document |

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

**Response:**

Students in each class identify two representatives, girls and boys. These representatives work as bridge between students and HOD/Principal/Management. Twice in each semester, meeting is held between the class representatives with HOD and senior faculty to discuss academic problems if any. Once in every semester principal addresses class representatives. Students take active participation in organizing industrial trips, surveys, departmental workshops, circuit debugging, code debugging gamming, mock-parliament, technical and non-technical quiz and departmental fests to improve their academic knowledge along with group discussion skills, capability to oraganize events, foster leadership skills and team spirit. In every college event students take active participation in conduction of the event. Each event will have student coordinators, and there will be Girl/Boy conveners for the entire event.

**5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year**

**Response:** 12

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 16 | 10 | 18 | 9 | 7 |

| File Description | Document |
|------------------|----------|
| Any additional information | View Document |
| Number of sports and cultural activities / competitions organised per year | View Document |

# 5.4 Alumni Engagement

**5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years**

**Response:**

All outgoing students of the college automatically become members of Alumni Association by paying a onetime life membership fees of Rs.800/-. They are advised to keep in touch with the association and participate in its meetings and furnish updates of information with regard to their career progress, change of address, etc. Departmental Alumni meets are conducted. Two meetings, one on August 15th and another on January 26th are held every year. In addition, departments also organize Alumni meets. Some are invited to give talk on recent trends in the technologies and also to motivate the younger generation in current trends. Some departments organize vocational courses for train their junior in courses like C,C++,Java, PLC, SCADA and etc.,

- Our Institution regularly conducts alumni meet through the resective departments. to provide platform for existing students to interact with alumni and get an exposure about industry. Each department have conducted one alumni meet per year.
- CSE department had organized alumni meet and an Alumni was requested to share his experience regarding the readiness of the student and also advised the Journee's about the industry requirement.
- ISE Department organized departmental level Alumni meet of 28-3-2016.
- SIRMVIT maintains Alumni Facebook page, WhatsApp groups, Group email-ids.
- College Alumni association invites alumni who are in the top positions in the corporate sectors to train our students to improve their employability. They are invited as Guest of Honour every year on College day funciton.

- Our Alumni members regularly come and deliver Alumni lecture on Latest trends and to motivate the students.

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

## 5.4.2 Alumni contribution during the last five years

**<1 Lakh**

**1 Lakh - 3 Lakhs**

**3 Lakhs - 4 Lakhs**

**4 Lakhs - 5 Lakhs**

**Response:** <1 Lakh

| File Description | Document |
| --- | --- |
| Alumni association audited statements | [View Document](#) |

## 5.4.3 Number of Alumni Association / Chapters meetings held during last five years

**Response:** 37

5.4.3.1 Number of Alumni Association /Chapters meetings held year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
| --- | --- | --- | --- | --- |
| 8 | 7 | 7 | 8 | 7 |

| File Description | Document |
| --- | --- |
| Number of Alumni Association / Chapters meetings conducted during the last five years. | [View Document](#) |
| Any additional information | [View Document](#) |

# Criterion 6 - Governance, Leadership and Management

## 6.1 Institutional Vision and Leadership

**6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution**

**Response:**

**VISION STATEMENT:**

- To be a center of excellence in technical and management education concurrently focusing on disciplined and integrated development of personality through quality education, sports, cultural and co-curricular activities.
- To promote transformation of students into better human beings, responsible citizens and competent professionals to serve as a valuable resource for industry, work environment and society.

**MISSION STATEMENT:**

- To impart quality technical education, provide state-of-art facilities, achieve high quality in teaching-learning & research and encourage extra & co-curricular activities.
- To stimulate in students a spirit of inquiry and desire to gain knowledge and skills to meet the changing needs that can enrich their lives.
- To provide opportunity and resources for developing skills for employability and entrepreneurship, nurturing leadership qualities, imbibing professional ethics and societal commitment.
- To create an ambience and nurture conducive environment for dedicated and quality staff to up-grade their knowledge & skills and disseminate the same to students on a sustainable long term basis.
- To facilitate effective interaction with the industries, alumni and research institutions.

  **Sir M.Visvesvaraya Institute of Technology (Sir MVIT)** is governed by a group of trustees of **Sri Krishnadevaraya Educational Trust (Sri KET)**. The Institute has a governing body which is chaired by President, **Sri KET** and consists of senior board of trustees, experts from academic field, Regional officer AICTE, Director of Technical Education, Director and Principal exofficio as member convener.

  A perspective plan helps in taking the institute towards its stated objectives and fulfillment of its mission and vision without side tracking. Sir MVIT has the potential to grow into an Autonomous status and finally to a Deemed University. When the College becomes autonomous it will have full freedom to frame its own curricula, conduct examinations and valuation and announce the results. However academic control by the University will be there to some extent. The degree will still be awarded by VTU. This also puts a lot of responsibility on the institution to maintain high academic standards.

  It is in this context that the Institution has set the following priorities:

- All the courses should be accredited and should get "A" grade as a prerequisite to get autonomous status.
- There should be an all-round improvement in results and it should far exceed the university average. Institution should aim at least 80% overall percentage of pass and gradually reach this over a period time.
- The institution should aim at getting the Autonomous status
- Institution should become a major residential campus with about 60% of the staff to live in the Campus
- The institute should aim at getting a Deemed University status.

- Lot of efforts are needed to realize the above goals. Institution should develop flexibility in dealing with changing scenario and learn to adapt to new situation. Focus is being given on Management, College Administration, Infrastructural development, Project laboratory, Staff recruitment, Staff evaluation and development, Training & Placement, College & Hostel Social life, Medical Facilities, Sports activities, Cultural forum, Technical activities, alumni association etc.

**Sir M. Visvesvarya Institute of Technology, Bangalore** has a proud legacy of 30 years behind it. In the near future it has to grow into an Institute of excellence with state of the art facilities.

**Participation of teachers in the decision making bodies:**

Academic Council is a committee formed at Institute level that consist Head of Department of all UG & PG programs of the Institute.Academic council meetings are held periodically in the institute for discussing on the issues and challenges, developmental aspect of the Institute. Thus, the institute encourages teachers, students, parents, corporate resource persons, employers, alumni, staff, class coordinators and class representatives to share their ideas, opinions, suggestions through proper channels i.e through Department meetings, parent-teacher meet, CII Forum, alumni meet, class coordinators meetings, student feedback system, LG interactions and through other various committee meetings.

The inputs received from various stakeholders of the institute are reviewed that are in line with our institute's Vision and Mission Statements will be considered and shall be helpful for Decision Making Process.

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

**6.1.2 The institution practices decentralization and participative management**

**Response:**

**Sir M Visvesvaraya Institute of Technology (Sir MVIT)** is an Institute of repute in the state of Karnataka founded by **Sri Krishnadevaraya Educational Trust (Sri KET)** in 1986. The institute offers B.E. degree programs in Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Computer Science& Engg., Industrial Engineering & Management, Telecommunication, Information Science and Bio Technology and Masters Programs in Computer Applications, Business Administration, Computer Integrated Manufacturing and Electronics.

Sir MVIT is situated on a vast campus on the Bellary road near Air Force station, Yelahanka, close to Bengaluru International Airport. The Institute is affiliated to Visvesvaraya Technological University, Belagavi and approved by All India Council for Technical Education, New Delhi and is accredited by National Board of Accreditation, New Delhi. Sir MVIT is an ISO 9001:2008 Certified Institution. The institute has been ranked among the top engineering colleges in the State by the reputed magazine `Dataquest'.

As a matter of decentralization and encouragement of faculty and students to participate in decision making, the institute encourages faculty and students to actively engage in various committees formed. All Committees are encouraged to plan for their respective areas of activity, facilities. Faculty and student coordinators are encouraged to express their ideas, plans and suggestions to arrive at necessary decission. In this regard 25 Sub Committes have been constituted as means for the participative management.

Further, the ideas, plans, suggestions and financial assistance required will be put forth to the Chief Coordinator, Principal, Director and office bearers of the Institute. A feasibility study will be made accordingly and are reviewed appropriately for decision making by the Management.

**Question Paper Delivery System (QPDS):**

QPDS is one such system that showcases one among the decentralized structure. QPDS is a user friendly application that is built exclusively for Institute's in-house usage for conducting Internal Test for students. As a process, every individual faculty will prepare their respective question paper and it will be uploaded to the QPDS using the user id and password provided for each department. Each department has one faculty coordinator to monitor QPDS process.

**Academic Council:**

Academic Council is a committee formed at Institute level that consist Head of Department of all UG & PG programs of the Institute.Sir MVIT believes in participative nature of management. Academic council meetings are held periodically for discussing the issues and challenges, developmental aspect of the Institute. Thus, the institute encourages teachers, students, parents, corporate resource persons, employers, alumni, staff, class coordinators and class representatives to share their ideas, opinions, suggestions through proper channels i.e through Department meetings, parent-teacher meet, alumni meet, class coordinators meetings, student feedback system, LG interactions and through other various committee meetings.

The inputs received from various stakeholders of the institute are reviewed and those which are in line with our institute's Vision and Mission Statements will be considered by the Academic council for the decission making.

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

## 6.2 Strategy Development and Deployment

### 6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

**Response:**

A perspective plan of development is essential for the orderly and sustained growth of any organization. This provides a sense of direction for development growth of the institution. College understands how important things are in relation to others and sees in a particular way for developing continuously. The Sri Krishnadevaraya Educational Trust is committed for the aspects of development of education, augmentation of infrastructural facilities and growth of the College. It specifies targets to the College along with allocation of budget. To arrive at the target to be specified, Management seeks the information from all stakeholders, observers and evaluates the best practices and strategies of other institutions those are striving for excellence. In line with the views of the Stake holders, college determines the needed infrastructure for academic advancement, bringing excellence into the activities and allocates budget accordingly.

1. Allocation of budget taking up in house R & D as a measure to improve research activities
2. Effectively implementing ICT in all class rooms
3. Development of e-learning materials
4. Industry specific projects

Though the College has witnessed considerable developments with sufficient expansion over the years, the Management is continuously striving for further expansion of the College up to the level of Autonomous/Deemed University to fulfill the following Plans.

1. To establish full-fledged Post Graduation Center and Research Center to make it a remarkable alma-mater.
2. To improve the existing infrastructure facilities on the campus to suit the emerging areas of technical advancements.
3. As per affiliated university curriculum

**Activity successfully implemented: Feedback system**

College obtains feedback in several ways

1. Students feedback
2. Exit survey
3. Alumni survey
4. Parent Teacher Meeting
5. Self-Appraisal system

Every department obtains student feed back once in a semester at the end of Semester. In addition, class

monitoring committees, and students provide feedback. After thorough analysis, the head of the department provides his views and suggestions and communicates the same to the students/ faculty concerned. Needed support and guidance will be provided by senior faculty as required. The improvement of the performance of that faculty will be monitored through subsequent feedback.

The feedbacks are collected through computerized systems where it reduces the space for apprehension of the students and also to keep the feedbacks fair and unbiased. Every student of the college is allowed to comment on his experiences with the teaching in the classroom and lab facilities.

The institute has a clearly set and defined mechanism for obtaining the feedback from the students to improve the performance and quality of the institution. The senior teachers collect the exit level feedback (survey) from the graduates on learning processes.

The inputs obtained from them are further used to improve the overall competency of the students for employability.

*Deployment:*

*Website: http://www.sirmvit.edu/*

*Institution Handbook and calender*

*Brochures*

*Display Boards*

*Orientation on Inaugurations day of First year students*

*Review*

*Interaction meeting with parents, alumni and industry experts*

| File Description | Document |
|---|---|
| Any additional information | [View Document](#) |
| Strategic Plan and deployment documents on the website | [View Document](#) |
| Link for Additional Information | [View Document](#) |

**6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism**

**Response:**

This institute was founded and established by the Sri Krishnadevaraya Educational Trust and offers programs in the field of Technical Education. It was established in the year 1986. The Institute is affiliated to Visvesvaraya Technological University (V.T.U) and approved by All India Council for Technical Education (AICTE), New Delhi.

1. Institution functions under Sri Krishnadevaraya Education Trust.
2. Governing Body is the supreme policy making and policy implementing mechanism of the college.
3. The Principal is the member secretary of the Governing Body. The Principal brings to the notice of the above body about the functioning of the institution and acts as a catalyst between Management, Staff and students.
4. The College Management discusses various aspects in detail and arrives at the necessary strategies and plans to keep up the quality of education in the campus. The members of the management are always available to the faculty to present their views and ideas. The opinions of faculty and staff are always considered positively for evolving policies.

1. The Principal ensures that all provisions of the University by-laws, the Statutes and the regulations are observed.
2. The Principal provides academic leadership and in association with the various faculties, evolves strategies for academic growth.
3. The Principal as the Head of the institution co-ordinates the organizational functioning through the academic Council comprising Heads of various departments who translate the plans into concrete action in close co-ordination with the faculty. Action plans are prepared by taking into consideration the norns and guidelines issues by the University, inputs from Parents, Alumni, Academic Peers, Employers and students, on a regular basis.
4. The Principal and all Heads of Departments meet regularly to carryout academic and other administrative work.
5. The Principal also ensures for an appropriate supportive role for the non-teaching staff in both academic and administrative work. Optimal utilization of all available resources is carried out through sound management and good human resource management principles.
6. The Principal monitors the day-to-day administration of the college, plans and executes all academic policies/programmes in consultation with important committees. A meeting is held periodically to co-ordinate and to improve the functioning of the organizational structure. Along with this a network of standing /ad-hoc committees are constituted for carrying out as well as coordinating the work and all these bodies are chaired by the Principal.
7. The Principal also chairs some of the bodies like Research Committee, Internal Quality Assurance Cell, Academic Calendar Committee, Anti-Ragging Review committee meeting and Student Advisory Council and reviews the overall functioning of each committee and initiates appropriate measures to enhance the quality of academic and administrative fronts.
8. The Principal supervises regularly the performance of the Non – Teaching Staff.
9. Grievances of the Staff and the students are redressed appropriately to maintain an environment conducive to learning.

*Governing Body*

| Sl. No. | Name of the Member with Address | Designation | |
|---------|--------------------------------|-------------|---|
| 1 | Dr. A.C. Chandrasekhar Raju | Chairman | |

| | | | |
|---|---|---|---|
| | President, Sri KET<br><br>No. 29, 15th Cross,<br><br>3rd Block. Jayanagar,<br><br>Bangalore – 560 011. | | |
| 2 | Dr. R. Natarajan,<br><br>Former Chairman AICTE<br><br>Former Director IIT Madras,<br><br>52/1, 13th Cross Road,<br><br>Opp. Jayanthi Apartments, Malleswaram<br><br>Bangalore – 560 003. | Member | |
| 3 | Dr. Prahlada Ramarao,<br><br>No.442B, Flat no 2A,<br><br>NAMAN Aptt, 2nd cross,<br><br>Ideal Homes Township,<br><br>Rajarajeswarinagar,<br><br>Benguluru -560098. | Member | |
| 4 | Director of Technical Education in Karnataka,<br><br>Palace Road, Bangalore – 560 001. | Member | |
| 5 | The Regional Officer,<br><br>(South Western Region)<br><br>All India Council for Technical Education<br><br>Palace Road, Bangalore – 560 001. | Member | |
| 6 | Dr. H.S. Nanda<br><br>Principal<br><br>Bangalore Technological Institute | Member | |

| | | | |
|---|---|---|---|
| | Kodathi, Off Bangalore-Sarjapur Road,<br><br>Bangalore East Taluk, Bangalore | | |
| 7 | Sri K.V. Sekhar Raju<br><br>Vice-President, Sri KET<br><br>No. 37, 1st `A' Cross<br><br>Rajmahal Vilas Extension,<br><br>Bangalore – 560 080. | Member | |
| 8 | Sri K. Syama Raju<br><br>Secretary, Sri KET<br><br>No. 150/B, 10th Main, Rajmahal Vilas Extension,<br><br>Bangalore – 560 080. | Member | |
| 9 | Sri M. Venkataramana Raju<br><br>Treasurer, Sri KET.<br><br>No.B002, Krishna Diamond<br><br>Behind Canara Bank, Sanjay Nagar<br><br>Bangalore – 560 092 | Member | |
| 10 | Sri M. Varada Raju<br><br>Trustee, Sri KET<br><br>No. 1/21, Plot No. 17,<br><br>1st Cross Road,R.M.V. Extn,<br><br>Bangalore – 560 080. | Member | |
| 11 | Sri V. Anantha Raju<br><br>Trustee, Sri KET<br><br>No. 240/2A, Sarakki,<br><br>J.P. Nagar, Bangalore – 560 078. | Member | |
| 12 | Sri L.K. Raju | Member | |

| | | | |
|---|---|---|---|
| | Trustee, Sri KET<br><br>Lakshmikantha Nilaya,<br><br>No. 5, 2nd Cross,<br><br>RMV II Stage, Dollars Colony<br><br>Chikkamaranahalli, Bangalore – 560 094. | | |
| 13 | Sri K. Muniswamy Raju<br><br>Trustee, Sri KET<br><br>No. 463/D, 11th Main<br><br>8th Cross, R.M.V. Extn, Bangalore – 560 080. | Member | |
| 14 | Sri G. Prabhakar Raju<br><br>Chairman – Academic Committee, Sri KET<br><br># 40, 2nd Main, Behind Hotel Samrat<br><br>BEL Road, Bangalore. | Member | |
| 15 | Sri Bhaskar N. Raju,<br><br>Trustee, Sri KET,<br><br>No. 47, 4th A Main Road,<br><br>MLA Layout, Dollars colony<br><br>Opp. Anriya Palatial Apartment<br><br>Bangalore – 560 080 | Member | |
| 16 | Dr. Viresh K. Basalalli<br><br>Director<br><br>Sir MVIT | Member | |
| 17 | Prof. K.R. Kini<br><br>Principal Incharge<br><br>Sir MVIT | Convener – Member Secretary | |

*Functional committee in the institution*

| Sl. No | Name of the committee |
|--------|----------------------|
| 1 | Academic Committee |
| 2 | Staff Recreation Committee |
| 3 | Attendance Monitoring Committee |
| 4 | Time Table Committee |
| 5 | Cultural Committee |
| 6 | Sports Committee |
| 7 | Students Discipline Committee |
| 8 | Training and Placement Committee |
| 9 | Staff Discipline Committee. |
| 10 | Teaching and Evaluation committee. |
| 11 | Research Programme Committee |
| 12 | Co-curricular Activities committee. |
| 13 | Extra-Curricular Activities. |
| 14 | Transport Committee. |
| 15 | Effective Governance Committee. |
| 16 | Infrastructure development committee. |
| 17 | Library committee |
| 18 | Management Information system committee |
| 19 | Counselling cell |
| 20 | Women Anti-Harassment Committee |
| 21 | Anti-Ragging committee |
| 22 | Entrepreneurship Cell |
| 23 | Sir MVIT Alumni Association |

| 24 | Internet and website Management Committee |
|----|-------------------------------------------|
| 25 | Parents Teachers Association |

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

## 6.2.3 Implementation of e-governance in areas of operation: 1.Planning and Development 2. Administration 3. Finance and Accounts 4. Student Admission and Support 5.Examination

**A. All 5 of the above**

**B. Any 4 of the above**

**C. Any 3 of the above**

**D. Any 2 of the above**

**Response:** B. Any 4 of the above

| File Description | Document |
|------------------|----------|
| Details of implementation of e-governance in areas of operation Planning and Development,Administration etc | View Document |
| Screen shots of user interfaces | View Document |

## 6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

**Response:**

Principal and the Head of the department monitor the academic, administrative and student related matters in the college. Various committees co-ordinate the routine activities and work for the smooth functioning and development of the College.

1. Adequate systematized autonomy to all the departments and sections.
2. Class Co-ordinators, Class Committees and Professional associations with representatives from meritorious, average, below average levels and female students.
3. Refining and redefining activities by keeping in view of the deliberation of Class Committee

meetings and associations.

4. Organization of several activities by student to enhance the capabilities of students under the guidance of faculty member.

5. Empowering head of the department to distribute work load to faculty, to identify the add- on courses, to identify the content beyond syllabus and to organize various faculty and student empowerment programs with the help of members of teaching and non-teaching staff of the department.

6. Allocation of budget based on the proposals received from the department. Conduct of Unit test, and Model Examinations by departments.

7. Decentralized governance system with well-defined interrelationships.

8. Empowering the faculty member as in-charge of a lab is to devise and implement the necessary plans for effective conduct of the lab.

for the effective funcitoning of the academic system, we have formed 25 Committees  listed below

### List of  25 Committees

1. Academic  Committee
2. Staff Recreation Committee
3. Attendance Monitoring Committee
4. Time Table Committee
5. Cultural Committee
6. Sports Committee
7. Students Discipline Committee
8. Training and Placement Committee
9. Staff Discipline Committee.
10. Teaching and Evaluation committee.
11. Research Programme Committee
12. Co-curricular Activities committee.
13. Extra-Curricular Activities.
14. Transport Committee.
15. Effective Governance Committee.
16. Infrastructure development committee.
17. Library committee
18. Management Information system committee.
19. Counselling cell.
20. Women Anti-Harassment Committee.
21. Anti-Ragging committee.
22. Entrepreneurship Cell.
23. Sir MVIT Alumni Association.
24. Internet and website Management Committee.
25. Parents Teachers Association

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

## 6.3 Faculty Empowerment Strategies

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

**Response:**

The following are the staff welfare measures.

| Sl. No. | Staff welfare measures | |
|---|---|---|
| 1 | Residential Quarters to Teaching and Non Teaching staff are provided at nominal rentals inside the ca | |
| 2 | Loan facilities with nominal and without interest, for both teaching and non teaching faculty. | |
| 3 | Mediclaim healthcare policies are provided to all staff. | |
| 4 | Maternity Leave (ML) | |
| 5 | Transport Facilities are provided for all teaching and non teaching staff at nominalTransport fee around | |
| 6 | Transportation for staff wards from staff quarters to school. | |
| 7 | Casual Leave(CL) | |
| 8 | Earned Leave(EL) | |
| 9 | Gratuity | |
| 10 | ESI ( Employee state Insurance ) | |
| 11 | EPF(Employee Provident Fund ) : Rs. 1800/- per month. College pays its contribution of Rs.1800/- mo benefit. | |
| 12 | Flexible Permission Hours for faculty | |
| 13 | Vacation for faculty (42 days per year) | |

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

**Response:** 28.6

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 52 | 58 | 57 | 57 | 45 |

| File Description | Document |
|---|---|
| Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years | [View Document](#) |

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

**Response:** 8.4

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 11 | 11 | 8 | 7 | 5 |

| File Description | Document |
|------------------|----------|
| Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff | [View Document](#) |

**6.3.4 Average percentage of teachers attending professional development programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years**

**Response:** 70.89

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 93 | 184 | 180 | 126 | 80 |

| File Description | Document |
|------------------|----------|
| Details of of teachers attending professional development programs during the last five years | [View Document](#) |

**6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff**

**Response:**

The Head of the Institution circulates a self-appraisal form to each staff member and asks them to give an honest self appraisal. Appraisals submitted by both Teaching and Non Teaching staff members are analyzed and considered for the better appraisal.

Performance Appraisal of the faculty is done with various parameters like student Feedback, Examination results

1. **Attitude towards Self Development**: Membership in professional bodies, Training/Workshop attended, FDP attended, Conference attended.
2. **Contribution to Student development**: Mentoring the students, Additional responsibilities like class advisor, assisting the students for placement and higher studies, Guidance for innovative projects.
3. **Contribution towards department visibility**: Workshop, Conference, FDP organized,Guest Lecture arranged, Seminar arranged , Industrial visits arranged, Symposium organized, Companies identified for placement, Other responsibilities
4. **Contribution to R& D**: Number of publications, Sponsored Projects, Consultancy, Patents applied
5. **Quality Related activities**: Guest lecture given outside, Interactions with outside world, Research guidance.

**Some of additional  activity included in our Performance Appraisal  system  are:**

Category 1: Teaching, Learning and Evaluation Activities

Category  2: Co Curricular , Extension Activities and  Professional  development

Category 3 :Research and  Development

Category 4 : Student  feedback

Category 5: Responsibilities at College  level

Category  6 : Responsibilities at  Department  Level

Category 7 : Staff contribution towards value addition

Category 8 :  Research Guidance

category 9 :  Consultancy

category  10 : Patent / Design

| File Description | Document |
| --- | --- |
| Any additional information | [View Document] |

## 6.4 Financial Management and Resource Mobilization

**6.4.1 Institution conducts internal and external financial audits regularly**

**Response:**

The financial resources of the Institution are sufficient. Department heads prepare the budget proposal based on their requirements and submit to the Principal every academic year. Governing Body reviews the budget proposals and approve accordingly. The purchase will be made strictly according to the given budget proposal. If any deviation occurs in the budget, respective HODs have to address the issue and give justification so that, subsequently the same will be approved. Following this procedure, unnecessary purchases are avoided and the available funds are effectively utilized.

The accounts and procedures of internal control of finance are carried out by the head of the accounts team on a day to day basis and annual audit is done by the statutory auditor. The audit of accounts and submission of income tax returns are being carried out regularly each year.

There are no audit objections since the institution follows a good system of internal controls like calling quotations, comparison of rates, preparation of purchase order etc., and approvals at every stage of such implementation and due verification of goods and services that are obtained after delivery or completion of works. No expenses are incurred without proper approval or sanction by the Head of the institution or HODs of various departments.

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

**Response:** 1

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

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
| --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 0 | 1 |

| File Description | Document |
| --- | --- |
| Details of Funds / Grants received from non-government bodies during the last five years | [View Document](#) |

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

**Response:**

Proper utilization of financial resources is planned at the beginning of every financial year.  The budget details for every year are collected before the starting of every academic year. The utilization of the current year the  expenses and the budget for the next year is approved by the management.  The Finance

department takes care of the collection of fees, and the institution allocates funds for Research and Development activities from the common source. This research fund is utilized effectively for the purposes of innovative projects and development of proof of concepts, incubation centres, supporting faculty/students for conferences/workshops etc. All financial reports are periodically audited by the Auditors.

The departments, in order to augment the teaching-learning process and needful enrichment to the quality of teaching, are involved in Research and Development activities. The faculty, based on their areas of expertise, submit regular research proposals to funding bodies like AICTE, UGC,DST DBT,BIRAC,KSCST/VGST(GOK) etc. The proposals after due scrutiny by the peer bodies will be called for presentations and further to the selection would be granted needful financial support from these reputed agencies. Further to the successful completion of the project milestones, audited statements of accounts, complete report and the utilization certificates are submitted to the funding bodies.

Similarly, funds are sought from external sources (Government bodies and private sponsors) for conduction of theme based conferences/workshop/seminars etc.

## 6.5 Internal Quality Assurance System

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

**Response:**

Internal Qulaity Assurance Cell (IQAC) was established on 01-08-2015. IQAC plays a vital role in the Quality Assurance in the Teacching Learning Process. Dr.P.Vijayakarthik, Professor and Head, Department of Information Science and Engineering is assigned as IQAC Co-ordinator for the institute. Eery department has one Department IQAC Co-ordinator for implementing the Quality Culture at the department level. The various quality initiatives taken by IQAC includes,

1. Academic Audit is being conducted for every semester.

2. IQAC member verifies the Blooms taxonomy has been implemented in all Internal Test Question paper.

3. IQAC plans for Calender of events for their department.

4. IQAC team regularly verifies the course material of the faculty member.

5. IQAC recommends the teacher to use innovative Teaching Methodologies in teaching.

6.IQAC regularly monitors the quality check in Institution level.

7. IQAC takes initiative in doing the result analysis meetings.

8. IQAC organizes regular class committee meetings.

9.IQAC takes initaitives to organize the  workshop, seminar, guest lecture  needed for the students.

10. IQAC documents the research publications of  faculties and  enhances the research activities in the institution.

11. IQAC conducts regular Local guardian  audits and verify the Local guardians are periodically meeting the students are not. Report will be submitted to principal for follow up action.

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

### 6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

**Response:**

IQAC regualarly conducts Internal Audit in our academic system regulary and follow up action will be taken immediately. IQAC meetings will be regularly conducted and recommeds the faculty memebers to use innovative teaching methodologies and use  audio visual aids in  teaching. The IQAC will monitor all the  departments regarding  the  conduct of  regular  result analysis meetings in the department  level. The IQAC has taken initiatives by implementing the Blooms Taxonomy key words in the Question paper. All the internal test question paper contains the level of COs mentioned  corresponding  to the question paper. The IQAC co ordinator in the department will check whether Answer  booklets are evaluated with correct marks to deserving  students. Our teachers are trained  by wipro "The Mission 10X "programme and they use  the  innovative  teaching  methodologies in   Teaching  Learning  process. The Learning outcome is measured periodically through the Course outcome survey form and it is  filled by all the students.

IQAC takes initiatives in collecting the Teachers evaluation done by students and proper counselling will be given by the principal for the faculties who scored less than 65 % in feedback evaluation.

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

### 6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

**Response:** 4.6

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 14 | 7 | 2 | 0 | 0 |

| File Description | Document |
|---|---|
| Any additional information | View Document |
| Number of quality initiatives by IQAC per year for promoting quality culture | View Document |

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

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
2. **Academic Administrative Audit (AAA) and initiation of follow up action**
3. **Participation in NIRF**
4. **ISO Certification**
5. **NBA or any other quality audit**

**A. Any 4 of the above**

**B. Any 3 of the above**

**C. Any 2 of the above**

**D. Any 1 of the above**

**Response:** A. Any 4 of the above

| File Description | Document |
|---|---|
| Details of Quality assurance initiatives of the institution | View Document |
| e-copies of the accreditations and certifications | View Document |

**6.5.5 Incremental improvements made for the preceding five years with regard to quality** *(in case of first cycle)* **and post accreditation quality initiatives** *(second and subsequent cycles)*

**Response:**

| Year | Incremental  Development |
|---|---|
| 2012 | NBA Accreditation  received for three years |
| 2013 | Regular  Class representative meetings with principal |

| | |
|---|---|
| 2014 | Course end survey for final years |
| 2014 | Received ISO certification ISO:9001: 2008 |
| 2015 | Course end survey for final years |
| 2016 | ISO certification ISO 9001:9008 |
| 2016 | Academic Audit Conducted in all Departments. |
| 2016 | Audit on Steps taken for Slow Learners. |
| 2016 | Teachers feedback Evaluation and follow up. |
| 2016 | Usage of Innovative Teaching Methodologies |
| 2017 | Blooms taxonomy keywords implementation in Question paper |
| 2017 | mentioning the Cos in Question papers |
| 2017 | Local Guardian Audit |
| 2017 | Course End survey |
| 2017 | Teachers feedback Evaluation and follow up |
| 2017 | Regular Class committee meetings in all Departments |
| 2017 | Cos and Pos Attainment verification |
| 2017 | Result Analysis meetings in Departments |
| 2017 | Review of Local Guardian files |
| 2017 | Received ISO 9001:2008 certification |
| 2017 | Question paper Distributed systems |
| 2017 | Online student feedback system |
| 2017 | Regular IQAC Meetings |

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

# Criterion 7 - Institutional Values and Best Practices

## 7.1 Institutional Values and Social Responsibilities

**7.1.1 Number of gender equity promotion programs organized by the institution during the last five years**

**Response:** 4

7.1.1.1 Number of gender equity promotion programs organized by the institution year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---------|---------|---------|---------|---------|
| 1 | 3 | 0 | 0 | 0 |

| File Description | Document |
|------------------|----------|
| List of gender equity promotion programs organized by the institution | [View Document](View Document) |

**7.1.2**

1. **Institution shows gender sensitivity in providing facilities such as:**
   1. **Safety and Security**
   2. **Counselling**
   3. **Common Room**

**Response:**

In our Institution there is a separate ladies amenities centre in the campus which provides the basic facilities for ladies during their stay in the college. Keeping in mind the security and safety of female students there is a separate resident lady warden in the ladies hostel and a separate resident warden for boys hostel. CCTV camera has been fixed in the prominiet places like Hostel, veranda, Main building, staff Quarters. All the working staff in the ladies hostel like security personnel, kitchen helpers are ladies. There is also a separate library inside the both ladies and mens hostel which can be accessed by the hostel inmates. The college has an anti-ragging squad team which comprise of both male and female staff who visit the ladies and gents hostels during anti-ragging duty.There is a shop inside the ladies hostel premises which cater to the immediate basic needs of the students.Based upon the MHRD guidelines, separate sanitary Napkin disposal and dispensing system for the conveience of female students are installed.

There is a separate Counselling Room in MBA Block for counselling the students who needs moral support and care . Dr.Sandhya Sushwaram, Associate Professor, MBA Dept, Dr.Joel Gnanaprakash Professor and Head, MBA Department, Dr. P.Vijayakarthik ,Professor and Head, Department of Information science and Engineering are the incharges for counselling cell in our Institution. This Counselling cell periodically meets the needy students for effective counselling.

Local guardians take care of counseling the students regularly. They help the students to solve their personal and academic problems to the possible extent. Students will be monitored and counseled on academic performances, attendance, regularity, punctuality, disciplinary matters, safety and security measures etc. The students are free to meet their local guardians any time to share and discuss their problems.

The college has a disciplinary committee with a senior professor as chairperson and few experienced teachers as members. The committee gives utmost importance for maintaining student discipline in the class room as well as in the campus. In case a student violates any disciplinary regulations of the college, the matter is referred to the committee. After proper enquiry, the committee sends its repors to principal recommending suitable action.There is a Centralized Counseling Cell in the institution. Students will be counseled on a need basis by the centralized Counselor. There is a Centralized cell "SHAKTHI" (Women Cell) of SirMVIT, the which addresses the women students in time.

Women's day is celebrated in the college. There are lots of events organized for the staff in this connection. All ladies are happily taking part in these events .Common facilities available in campus and hostels include library, guest rooms, Bank, canteen, ATM, indoor stadium, Amenties centres, Sports grounds.

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**7.1.3 Alternate Energy initiatives such as:**

**1.Percentage of annual power requirement of the Institution met by the renewable energy sources**

**Response:** 2.5

7.1.3.1 Annual power requirement met by the renewable energy sources (In Kilowatt)

Response: 3

7.1.3.2 Total annual power requirement (In Kilowatt)

Response: 120

| File Description | Document |
|---|---|
| Any additional information | View Document |
| Details of power requirement of the Institution met by renewable energy sources | View Document |

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**7.1.4 Percentage of annual lighting power requirements met through LED bulbs**

**Response:** 8.33

7.1.4.1 Annual lighting power requirement met through LED bulbs (In Kilowatt)

Response: 10

7.1.4.2 Annual lighting power requirement (In Kilowatt)

Response: 120

| File Description | Document |
| --- | --- |
| Details of of lighting power requirements met through LED bulbs | <u>View Document</u> |

**7.1.5 Waste Management steps including:**
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

**Response:**

Our Institution has taken many initiatives towards waste management. The college has 5 men's and 3 ladies hostel units with separate mess. The college has canteen providing breakfast, snacks ,lunch. The vegetable waste from the hostel, canteen are arranged to be disposed regularly to keep the campus clean. The old blue books are given away for recycling to make place for the fresh blue books. Dry and wet waste are collected and disposed in an efficient way. Dried leaves from the trees are collected and dumped in a pit which could be used as manure. Dustbins are placed around campus to collect the waste which will be processed with the help of sweepers and helpers.

Sewage treatment plant is effectively functioning in the college. Recycled water is used for watering plants under horticulture department. Rain water harvesting unit is installed in the buildings. The waste water from RO filters are used for watering. The liquid/solid waste in the form of microbial cultures is safely decontaminated through sterilization (autoclave) and disposed.

The old computers are used in browsing center in the college. Some are given away to schools of nearby village. The old computers are safely sent to scrap vendor.

**7.1.6 Rain water harvesting structures and utilization in the campus**

**Response:**

In our Institution all the buildings are architect designed taking into account for maximum utilization of natural resources. Awareness among the students and staff on water conservation is created. College has Rain water harvesting unit. Rain water collecting tanks are constructed for harvesting rain water to meet the water requirement partially in the campus. The rain water is channelized towards a huge pit near bore well to recharge the ground water level. Adequate arrangements to collect the roof water during rain is in place. There is rain water collecting pit of the size 3.5mt * 2.5mt * 2mt to collect water of capacity 10,000 litres. The same is further connected to underground sump which is used for sanitary and gardening the plants in the campus.

## 7.1.7 Green Practices
* **Students, staff using**
a) **Bicycles**
b) **Public Transport**
c) **Pedestrian friendly roads**
* **Plastic-free campus**
* **Paperless office**
* **Green landscaping with trees and plants**

**Response:**

The vehicle movement are restricted to keep campus pollution free. Staff and students staying nearby commute using bicycles. The college provides transport facility for students and staff by running 16 buses on various routes covering major areas of Bangalore. College is served by BMTC buses which ply few times in a day. Very few use individual transportation. Separate parking lot for vehicles and dedicated pedestrian friendly roads are available.

Go green initiatives are taken by NSS , Eco club, Nisarga.They make sure that the campus is kept clean and plastic free. Circulars are circulated electronically. Use of emails and messages are effectively used to reduce usage of paper.

Green ambience of the college is due to tree plantation which is carried out every year regularly. 1/3 of the college area is covered by trees to maintain the eco system. The college has a dedicated horticulture department taking care of planting, landscaping the campus with various fruit bearing, flowering and ornamental plants, sandal wood and Teak wood trees. Green campus is home for many reptiles like common snakes. Species of birds like Indian paradise flycatcher, drongo, barbet, owl, parakeet, munia, bulbul, green bee-eater, hoopoe, treepie, koel are spotted.

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

## 7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

**Response:** 0.17

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year wise during last five years(INR in lakhs)

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 1.58 | 1.35 | 1.76 | 1.62 | 1.20 |

| File Description | Document |
|---|---|
| Details of expenditure on green initiatives and waste management during the last five years | [View Document](#) |
| Any additional information | [View Document](#) |

**7.1.9 Resources available in the institution:**

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

**A. 7 and more of the above**

**B. At least 6 of the above**

**C. At least 4 of the above**

**D. At least 2 of the above**

**Response:** C. At least 4 of the above

| File Description | Document |
|---|---|
| Resources available in the institution for Divyangjan | [View Document](#) |
| Any additional information | [View Document](#) |

**7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years**

**Response:** 8

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|---|---|---|---|---|
| 1 | 3 | 1 | 1 | 2 |

| File Description | Document |
| --- | --- |
| Number of Specific initiatives to address locational advantages and disadvantages | |
| Any additional information | |

**7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)**

**Response:** 14

7.1.11.1 Number of initiatives taken to engage with and contribute to local community during year wise during last five years

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
| --- | --- | --- | --- | --- |
| 6 | 1 | 1 | 4 | 2 |

| File Description | Document |
| --- | --- |
| Details of initiatives taken to engage with local community during the last five years | |

**7.1.12**
**Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff**

**Response:** Yes

| File Description | Document |
| --- | --- |
| Any additional information | |
| URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics | |

**7.1.13 Display of core values in the institution and on its website**

**Response:** Yes

| File Description | Document |
| --- | --- |
| Any additional information | |
| Provide URL of website that displays core values | |

**7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations**

**Response:** Yes

| File Description | Document |
|---|---|
| Details of activities organized to increase consciousness about national identities and symbols | View Document |

**7.1.15 The institution offers a course on Human Values and professional ethics**

**Response:** Yes

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

**7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions**

**Response:** Yes

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

**7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years**

**Response:** 5

| File Description | Document |
|---|---|
| List of activities conducted for promotion of universal values | View Document |

**7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities**

**Response:**

The Institution celebrates Independence Day and Republic Day with great enthusiasm every year. Faculty and students will take part in the program actively.

Institution also celebrates Sir M Visvesvaraya's Birth anniversary as Engineers Day which falls on 15th September. Talks are given on life of Sir M Visvesvaraya.

Institution celebrated Swami Vivekananda's 150th Birth anniversary. Institution also celebrates Teachers day in remembrance of Dr. Sarvepalli Radhakrishnanon september 5th every year.

Our Alumni Col. Niranjan Kumar, NSG Commando made the supreme sacrifice for the nation. Homage is paid to him every year during our intra collgiate techno cultural fest KALANJALI.

## 7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

**Response:**

In our Institution, for each financial year budget proposals are submitted by each department. Based on the requirement budget is allocated for each department for running the department smoothly and to improve the existing facilities.

At the beginning of the semester subjects are allocated to the staff members according to their choice and area of specialization by the head of the department.

Three centralized internal assessment tests are conducted for students. The scripts are evaluated within a week of the end of the tests. Marks are uploaded on the student information system. Marks are sent to the parents after each test.

At the end of the semester the final marks are uploaded on the VTU website.

In each semester students evaluate their teachers and the report is given to each teacher for improving themselves. Faculties who get less feedback are counseled by the Principal / HOD .

For the programs conducted in the college different committees are formed which comprises of faculties from all departments.

For smooth functioning of the institution different committees are formed for example Student Disciplinary committee, Staff Disciplinary committee, Anti Ragging Committee like 25 Sub Committees has been formed and the committees are in active state and act as an organ for the administrative set up of our Institution. The various committees are :

### List of 25 Committees

1. Academic Committee
2. Staff Recreation Committee
3. Attendance Monitoring Committee
4. Time Table Committee
5. Cultural Committee
6. Sports Committee

7. Students Discipline Committee
8. Training and Placement Committee
9. Staff Discipline Committee.
10. Teaching and Evaluation committee.
11. Research Programme Committee
12. Co-curricular Activities committee.
13. Extra-Curricular Activities.
14. Transport Committee.
15. Effective Governance Committee.
16. Infrastructure development committee.
17. Library committee
18. Management Information system committee.
19. Counselling cell.
20. Women Anti-Harassment Committee.
21. Anti-Ragging committee.
22. Entrepreneurship Cell.
23. Sir MVIT Alumni Association.
24. Internet and website Management Committee.
25. Parents Teachers Association

## 7.2 Best Practices

**7.2.1 State at least two institutional best practices (as per NAAC template)**

**Response:**

**Title of the Practice 1 :  Local  Guardian  Scheme**

1. **Goal:** The objectives of the practice are:

   ○ Improvement of student-teacher relationship

Counseling students for solving their problems and enhance their self

   ○ esteem and to inculcate sense of discipline and social responsibility.
   ○ Help students to choose right career for job, higher studies, entrepreneurship etc.
   ○ Collect feedback and ensure that problems (both academic and non academic) are resolved to the satisfaction of all stake holders.

1. **Context:**

The following issues made the department to adopt the LG(Local Guardian) Scheme.

- To cope with the pressure to perform in current competitive world and to face the challenges of the society, students need LG support to achieve academic excellence.
- The need for addressing conflicts in attitudes, habits, and adaptability towards learning practices.
- Need to establish coordination between students and faculty members to conduct tutorials and practical classes. Tutorials are arranged by the mentors in coordination with the respective course teachers and experts who focus on problem-based learning
- Need to assign joint tasks to build team spirit and collaborative learning.

## 3.The Practice:

- A Batch of 10-20 students is allotted to a mentor /counselor.
- Counseling diaries are provided to each counselor to maintain the record of students under their patronage.
- The LG meet the students once in a fortnight, The Parents/ Guardians of Irregular/ underperforming students are called to meet the LG and remedial measures are initiated for improvement.
- The LGs arrange remedial and tutorial classes for slow learners.
- LG maintains the student information. HOD monitors the LGfiles.

## 4.Evidence of success:

- Students' attendance has improved after counseling.
- The communications between LG and students strengthened the Student Teacher relationship.
- Academic performance of the students marginally improved.
- Participation in co-curricular activities is enhanced.
- Students get more focused to achieve their objectives.
- Department attained 12 Gold medals and 1st rank in civil Engineering
- Department got best project work in 35th series of Karnataka State council for science and Technology, Bangalore.

## 5. Problems Encountered and Resources Required

- The new faculty members who are recruited in the department need time and guidance to understand the importance of LG scheme. Orientation for such faculty members is required.

The faculty members at times experience difficulty for one to one interaction due to time constraints. However most faculty members appreciate the utility of this scheme and take it up as pleasure.

### Title of the Practice 2 : QPDS [Question Paper Delivery System]

1. **Objective of the Practice:**To support the Centralized Internal Test Assesment process through some technical means in a way to achieve the confidentiality, Timeliness, Uniformity in uploading the Internal test Question papers for the smooth conduction of the Internal Examinations.

**Content:** The QPDS software tool is developed by Dr. G C Bhanuprakash, prof. C R Narendra babu and Prof. Sreenivas B C from the department of Computer Science and Engineering for the purpose of Question paper delivery by the individual staff member through online to support the centralized Internal Assessment test process. All the parameters are considered( requirements of test assesments) while developing the tool

| File Description | Document |
| --- | --- |
| Any additional information | **View Document** |

## 7.3 Institutional Distinctiveness

**7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust**

**Response:**

Sir MVIT is situated on a vast campus of 133 acres on the Bellary road near Air Force station, Yelahanka, close to Bengaluru International Airport (21 km from Bangalore city station).

All our departments spread over on 53.8 hectares of greenery and serenity. The Institute has, on its campus ,Dental college & Hospital ,S M V School of Architecture  Men's & Women's hostels Ladies amenities center, staff quarters, Guest house, Cafeteria, outdoor sports facility spread over 12.1 hectares and an indoor games complex

Our College has been ranked 12th among the top 25  private institutes established before the year 2000 by  DataQuest ,June 2017 issue.

Our students have portrayed Academic excellence by securing University ranks.

The college is famous for the campus recruitment drive. Top companies like WIPRO,  INFOSYS, COGNIZANT, HP, De-Shaw, TCS, CROMPTON GREAVES, TATA ELXSI, ACCENTURE, ROBERT BOSCH, ITC INFOTECH, HCL Technologies, L&T INFOTECH , CARITOR INDIA, BIRLASOFT, SASKEN, LG SOFT, SONATA SOFT, ACCORD SOFTWARE. HUGHES, CATER PILLAR, SATYAM, MINDTREE, IGATE, IFLEX etc have been conducting campus recruitment in the institute students on continuous basis. Every year around 35 to 40 top companies (including non-IT companies) visit the institute and 90 to 100%  of students  who are eligible  are placed.

We have Local Guardian Scheme which ensures special attention towards academic  performance and overall development of the student.

Rain Water harvesting is done  to meet water needs in the campus and the water collecting tank capacity is 15,000 ltrs of water

AbhiKalpana is an NGO formed , by the students community of SIR MVIT,    through which several awareness programmes are conducted in surrounding areas like Sugggata, Bettahalasur and Chikkakjala

Departmental Forums –  Each department has a forum to update the knowledge of students and staff in their fields of studies. The student development programmes are conducted by the forums.

The college  has a  Hobby centre for creative work in science and engineering. Susamskriti, a cultural forum annually conducts  Kalanjali, an Inter-collegiate cultural extravaganza.

Our college  has earned  a special palce   in VTU   by conducting VTU SPORTS Meet twice and cultural fest once.   Technotsav known as KALANAJALI  an inter-collegiate technical festival is organized  in the month of october every  year.  A symposium on recent advances in technology to coincide with National Technology Day on 11th of May is conducted  each year.

Outdoor Sports Complex, spread over 30 acres, comprising of stadia for Cricket, Soccer, Hockey, Tennis and Volley Ball courts,  Athletic track. Indoor Games Complex, having facilities for Shuttle Badminton, Table Tennis and other indoor games, a well-equipped Gymnasium  are available i  the campus.

- Subscription of E-Journals published by INDEST-AICTE consortium

The   milestone in achieving Academic Excellence is portayed  by our university Rank Holders are diplayed in our college website www.sirmvit.edu

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

# 5. CONCLUSION

## Additional Information :

Approved Research centres from Visvesvaraya Technological University, Belagavi The following 9 Departments are approved as Research Centres by VTU for doing Ph.D programmes.

1. Information Science andEngineering,

2. Computer Science and Engineering.

3. Electronics and Communication Engineering.

4. Electrical and Electronics Engineering.

5. Biotechnology

6. MechanicalEngineering.

7. Chemistry

8. Physics

9. MBA.

We have hosted VTU Youth Fest a Cultural Programme"YUVAKALANJALAI-2017" during 16th to 19th March, 2017. More than 150 Colleges have participated in the Cultural Programme.We have hosted the VTU inter collegiate Athletic Meet during 24 to 27th March, 2017. More than 160 Colleges with 2,000 students have participated from the entire Karnataka state.

## Concluding Remarks :

Institution is following a well established and continuous quality improvement process to meet our responsibilities in teaching, learning, research and extension activities. Institution was accredited by NBA during the years 2002, 2006, 2012 and currently certified by ISO 9001: 2008. This SSR document gives in brief about the active teaching and Learning process, Quality system in place, strong student support and progression system and the contributions made by the faculty and students to meet the expectations of NAAC. We are looking forward to present the Institution's various programs and the best practices for review by the NAAC peer team.

Prof. K.R.KINI

PRINCIPAL