The institutional Strategic/ Perspective plan:

In order to achieve the strategic goals, the institution governing team looks forward for contributions from every one inside the system and the stake holders. Student and faculty play an important role in building the reputation of the institution; to-days students are tomorrow's alumni who are the brand ambassadors. The long term plans have been laid down in the strategic plan document in consultation with Department committees, joint workshops of senior professors for strategy formulation.

The Institutional Monitoring Planning and Policy Implementation Committee (IMPPIACT) which consists of HoDs and Deans are responsible for continuous improvement through identifying needs, bringing in discipline, defining research activities, future plans etc.

❖ **Curriculum Development: Teaching and Learning:**

Curriculum Development being a process that encompasses the design and development of integrated plans for learning, the design of implementation of the plans, and of the evaluation of the plans, their implementation and the outcomes of the learning experience along with the mandate of the AICTE to reduce the number of credits to 175, rolled off a new scheme in 2018-19. Considering the feedback from major stakeholders being the students, alumni, employers and parents, the frame work for 2018 scheme emphasized more on electives (professional and global electives),Design thinking lab and Self learning courses. Eight weeks of compulsory industry internship to students would expose all the students to industrial environment. The minor and major project, assignments along with courses with laboratory component emphasizes on the shift from course-based learning to project based learning.

Teaching and Learning process in the institute puts every student through a judicious blend of concepts and practices associated with ICT tools in a dynamic environment. The institute outlines a big leap from memory-based learning to thinking based learning using the Quiklrn platform. This platform provides the student the complete repository of learning material in the form of notes, video lectures, titles of text books/reference books, and links to additional learning materials. This also provides platform for online quiz, evaluates and records the continuous internal evaluation along with the attendance details of each student. The complete reports of individual student is being generated and sent to parents on a regular basis. Additional learning support for slow learners are provided through remedial classes. Tutorial classes are added along with regular classroom teaching to assist students in solving more problems.

❖ **Examination and Evaluation**

Examination Process
- Examination and evaluation process of autonomous programs are under the control of examination unit of the institution.
- Under the supervision of Controller of Examination(CoE)

Examination system
CoE has three statutory bodies to assist him during the process of examination
1. Examination Board:
2. Grading Advisory Committee(GAC):

3. Malpractice Investigating Committee:

1. **Examination Board:**
   - All policy matters related to examination and evaluation process are discussed and decisions are taken.
   - Meets at least once in a semester.
   - Board consists of one senior faculty from science group, two to four faculty from engineering group, member secretary of Academic Council and Dean Academics.

2. **Grading Advisory Committee(GAC):**
   - It consists of Principal, Dean academics, atleast three BoS Chairpersons and three nominated members of the rank of Professor/Associate Professor with CoE as convener.
   - GAC–To deliberate on I-grade application and approve/reject the request.
   - Go through the results analysis before announcement of the results and suggest the required changes to academic/exam process without diluting standards. Such changes are to be ratified in Academic Council for implementation.

3. **Malpractice Investigating Committee:**
   - Consists of Dean Students Welfare, Dean Academics and two/three senior Professors (with at least one lady faculty) as members and The Controller of Examination as Chairperson and Deputy Controller as Convener.
   - Conduction of enquiry into cases of malpractice during examinations and recommend appropriate penalty/punishment.

Examination Reforms:
- w.e.f 2019-20 ODD Sem SEE, courses with practical component passing minimum is made as 35% in individual but 40% in aggregate(theory+practical)
- PVP(Paper Viewing Process) is introduced w.e.f 2019-20 ODD Sem SEE.
- PVP is applicable to SEE, Make-up and fast track exams. It makes the system to have detailed scheme & solutions and share to students.
- PVP eliminates Photostat copy, revaluation and challenge valuation. This enables to have internal valuation with 30% moderation by external examiner.
- 2019-20 Even sem SEE is conducted online using Cisco-webex and google meet for 8th sem UG and 4/6 sem PG (M.Tech/MCA) due to covid-19 pandemic.
- 2/4/6 sem UG and 2/4 sem PG results are declared by taking 50% weightage in CIE and 50% weightage of average of previous odd sem SEE results. (minimum >=10/50)
- 2019-20 graduate batch "Graduation Day" is celebrated online using cisco webex and the link through you tube , more than 985 students connected .
- SAP environment is effectively automated for examination processes with strong database.
- Fast track 2019-20 and Grade improvement exams are conducted in online mode.

Research and Development

RVCE practices interdisciplinary research in faculty sponsored research and student projects. It is facilitated through Interdisciplinary research centre (IDRC) with state-of-the-art advanced materials processing and characterization facilities established under Centre of Excellence in Microelectronics. The grants of Rs 4.0 Crore received by the Institution in 2018-19 through sponsored research and consultancy undertaken by the faculty and quality research publications stand testimony to the commitment to quality research. The Institution strongly promotes Product

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Institution Affiliated
to Visvesvaraya
Technological
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Development and entrepreneurship which is facilitated by Incubation Centre established with an investment of Rs 3.0Crore and patenting. The Institution has to its credit 35 patents published in the last three years.

❖ **Library, ICT and physical infrastructure / instrumentation**

Quality improvement strategies for library development is by strengthening the library collections in terms of increasing advanced reference books, recommended text books, e- books, e-journals, print journals, creating awareness program for readers. The library has the knowledge resources for its readers. Essential additional document collections are made available every year, through department recommendation and through book exhibition arranged at the campus. In 2019-20 books worth Rs.23, 35,051/- were purchased for main library, around 2112 volumes were in total. 233 print journals were subscribed, which meets the requirements of UG/ PG/ Research Program, the renewal amount was Rs.7, 70,19/-, e-books are subscribed from Skill soft, around 29000, e- books are received, which amounts to 7,01,139. Apart from VTU e- consortium e-Journals, the Institution also subscribed to IEEE / IEL Portal, the subscription amount was Rs.7,24,180 was spent, around 508 journals, 5160 conference material, proceedings – 26518, standards – 4026 were made accessible. IEEE journals were accessible within college and outside college. VTU e-Consortium journals were made accessible within college and outside college through remote access Knimbus portal.

❖ **Human Resource Management:**

Human resource management in education is very important. Staff of Education Institution play a very important role in the growth of students by helping them building their careers. They help the students to achieve their educational goals and consequently , national development. Human resources are the key to rapid socio-economic development and efficient service delivery. All educational system at every level depends heavily on the human resources for execution of its programme. The function of human resource management in education includes staff maintenance, staff relations, staff development, and procurement of staff and job performance rewards. Both Teaching and Non- Teaching staff members equally contribute to the overall growth of the Students and the Institution.

❖ **Industry Interaction /Collaboration**

Industry Institute Interaction Cell instituted in the campus consists of co-coordinators from different departments. The Principal and Deputy Director are associated with the cell and guide the activities strategically. The institution has a strong association with industrial, academic and research establishments. This has resulted in setting up of Industry based labs, publications in association with industrial experts, Consultancy Projects, internships to both UG and PG students, industry based electives, training programs by faculty to industry representatives, expert lectures by industry experts, industry visits and webinars .The industrial experts are also involved in Academic Council and Board of Studies of various departments. The institute and faculty members are also associated with national and international professional bodies. The comprehensive list of collaborations **(as on 12th October 2020)** is attached herewith.

❖ **Admission of Students**

The basic qualification for eligibility for Admission to BE(Bachelor of Engineering)Programs is two

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year Pre-University or 12th Standard or equivalent examination. The candidate should have taken Physics and Mathematics as compulsory courses along with Chemistry/Biotechnology/Computer Science/Biology/Electronics as optional courses and English as one of the languages of study in the Qualifying Examination. Further, the candidate should have passed the Qualifying Examination with an aggregate minimum of 45% marks in the optional courses in the Qualifying Examination (40% of marks in case of SC,ST, & OBC category candidates) for eligibility. The marks obtained by the

candidateinBiotechnology/ComputerScience/Biology/electronicsintheQualifyingExaminationwill be considered in place of Chemistry, only for the purpose of determination of eligibility and not for the purpose of determination of rank, in respect of Engineering program. Admission process happens through Karnataka Examination Authority (KEA) by conducting Common Entrance Test (CET) by the local State Government, COMEDK (Consortium of Private Unaided Institutions) and through Management Quota (MQ) in 45:30:25 % quota