VIGNAN'S
Foundation for Science, Technology & Research
-Estd. u/s 3 of UGC Act 1956

DEPARTMENT OF INFORMATION TECHNOLOGY
Action Taken Report on BCA Program R 15 Feedback
Implemented in R18 introduced in the AY 2018 - 19

Action taken based on the suggestions from Students:

Q1. Course Contents of Curriculum are in tune with the Program Outcomes

Q2. Course Contents are designed to enable Problem Solving Skills and Core competencies

Q3. Courses placed in the curriculum serves the needs of both advanced and slow learners

Q4. Contact Hour Distribution among the various Course Components (LTP) is Satisfiable

Q5. Electives have enabled the passion to learn new technologies in emerging areas

Q6. Curriculum is providing opportunity towards Self learning to realize the expectations

Q7. Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable

Q8. Laboratory sessions are sufficient to improve the technical skills of students

Q9. Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students

Analysis of Overall Feedback given by the Students on R15

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	36.4	40.9	16.7	4.5	1.5	4.062	Excellent
Q2	40.9	30.3	21.2	4.5	3	4.013	Excellent
Q3	30.3	31.8	30.3	3	4.5	3.801	Very Good
Q4	31.8	30.3	27.3	6.1	4.5	3.788	Very Good
Q5	50	27.3	16.7	4.5	1.5	4.198	Excellent
Q6	16.7	36.4	37.9	4.5	4.5	3.563	Very Good
Q7	33.3	43.9	16.7	3	3	4.012	Excellent
Q8	34.8	45.5	13.6	3	3	4.058	Excellent
Q9	22.7	60.6	7.6	7.6	1.5	3.954	Very Good

Itemized responses to the Suggestions of Students

Suggestion: Freedom to select advanced courses from electives courses

Action Taken: Professional elective courses were offered from 3rd year I semester onwards. Students can select professional elective based on their interest

Suggestion: Add more laboratory hours to the curriculum

Action Taken: Increased number of laboratory hours by integrating theory with laboratory courses

Suggestion: Improve the project-based learning in the curriculum

Action Taken: Mini project-I and Mini Project-II are core courses are introduced to make the student's industry ready from 2nd year II semester onwards

Suggestion: Add employability courses like the internet of things, scripting languages, and could computing, etc.

Action Taken: Courses like Mobile application development, Internet of things, Statistical Programming in R, Cloud Computing, and Advanced mobile application development were introduced as professional electives

Suggestion: Include more importance in problem-solving skills in curriculum

Action Taken: Introduced skills and activities for each course to get the real-time/industry usage of each course

Suggestion: Introduction of emerging courses like blockchain technologies, mobile application development, multimedia computing, etc and more focus on practical learning

Action Taken: Introduced mobile application development, cloud computing, bigdata analytics and advanced mobile application development course are offered in the curriculum to develop various software applications to improve the practical learning.

Suggestion: Software development frameworks and tools better to offer from 2nd year onwards in the curriculum

Action Taken: Introduced theory and laboratory integrated courses to improve the practical exposure along with theoretical concepts of course. Further, add a greater number of activities and lab experiments in programming courses like problem-solving through C, OOP through JAVA, Programming through python, and Web technologies

Suggestion: The curriculum must be suitable for writing national competitive examinations and industry needs

Action Taken: Offered Credits for MOOC Courses (NPTL, Swayam, Coursera, FDX) to inculcate life learning skills over the students

Action taken based on the suggestions from Faculty:

Q1.Course Contents of Curriculum are in tune with the Program Outcomes

Q2.Course Contents enhance the Problem-Solving Skills and Core competencies

Q3.Allocation of Credits to the Courses are satisfiable

Q4.Contact Hour Distribution among the various Course Components (LTP) is Justifiable

Q5.Electives enable the passion to learn new technologies in emerging areas

Q6.Curriculum is providing opportunity towards Self learning

Q7.Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable

Q8.Courses with laboratory sessions are sufficient to improve the technical skills of students

Q9.Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students

Analysis of Overall Feedback given by the Faculty on R 15

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	70.3	25.7	4.1	0	0	4.666	Excellent
Q2	59.5	37.8	2.7	0	0	4.568	Excellent
Q3	78.4	17.6	0	0	4.1	4.665	Excellent
Q4	74.3	13.5	12.2	0	0	4.621	Excellent
Q5	82.4	9.5	8.1	0	0	4.743	Excellent
Q6	73	17.6	5.4	0	4.1	4.557	Excellent
Q7	75.7	13.5	10.8	0	0	4.649	Excellent
Q8	78.4	13.5	4.1	0	4.1	4.624	Excellent
Q9	74.3	17.6	4.1	4.1	0	4.624	Excellent

Itemized responses to the suggestions of Faculty

Suggestion: Introduce more practical oriented courses like python, R programming, data analytics

Action Taken: Included programming through python, Object Oriented Programming through JAVA, and web scripting through PHP and MYSQL to improve the programming knowledge in all kinds of programming languages

Suggestion: Suggested to have courses for exclusive IoT technologies related courses with the concepts like network programming, embedded systems, IoT with cloud and IoT with web

Action Taken: Revised the syllabus of IoT and included all the topics which are suggested by faculty

Suggestion: It is better to include basic issues on data analytics in the first and second units of Data mining and data analytics course. From 3rd units, data analytics issues and practical exposure to various data analytics algorithms are more appropriate for students

Action Taken: Revised the data mining and bigdata analytics course in industrial perspective and introduced a weka tool to carry out laboratory experiments and minor projects of the course.

Suggestion: It is better to include more practical oriented topics from the 2nd Unit onwards instead of theoretical issues in the Big Data Analytics course.

Action Taken: Big data analytics course is revised based on given suggestions and introduced laboratory experiments

Action taken based on the suggestions from Parents:

Q1. Curriculum enhances the intellectual aptitude of your ward

Q2. Curriculum realizes the personality development and technical skilling of your ward

Q3. Satisfaction about the Academic, Emotional Progression of your ward

Q4. Competency of your ward is on par with the students from other Universities/Institutes

Q5. Course Curriculum is of the global standard and is in tune with the needs of IT and IT enabled industries

Analysis of Overall Feedback given by the Parents on R 15

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	44.1	33.9	18.6	0	3.4	4.153	Excellent
Q2	44.1	33.9	15.3	3.4	3.4	4.122	Excellent
Q3	35.6	44.1	11.9	0	8.5	3.986	Very Good
Q4	44.1	32.2	15.3	0	8.5	4.037	Excellent
Q5	44.1	23.7	22	3.4	6.8	3.949	Very Good

Itemized responses to the suggestions of Parents

Suggestion: Add more courses related to IT company

Action Taken: Advanced Programming Languages (like python, R, PHP, etc) can be included from the 1st year onwards to implement projects in various advanced areas while developing mini project-I and II

Suggestion: Minimize the number of evaluation schemes and include the courses based on the feedback from industry experts

Action Taken: Our employers are also one of the stakeholders to design the curriculum and department BOS committee must contain at least 30% of members from industry

Suggestion: The curriculum must improve the placements of the department
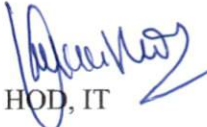
Action Taken: Increased number of laboratory hours by integrating theory with laboratory courses. Also, two mini projects courses are introduced to make the student's industry ready

Suggestion: The curriculum will be more practical oriented than theory and suitable for project-oriented learning

Action Taken: Add a greater number of activities and lab experiments in programming courses like problem-solving through C, Programming through python, and OOP through JAVA to make student ready for placement drives

Suggestion: Include more importance in problem solving skills in curriculum

Action Taken: Introduced skills and activities for each course to get the real-time/industry usage of each course.

HOD, IT