

## Innovative Practice for A. Y. 2017-2018

| Faculty Name                  | Quality Initiatives   | Pedagogy/ Lecture/Lab Conduct | Procedure/ Action Plan taken in detail (with proof)  | Describe Measurement as an Outcome  | Impact on Pedagogy/Lecture/Lab Conduct (As applicable)  | PO's Attained | PEO's Achieved |
|-------------------------------|---|-------------------------------|--|---|---|---------------|----------------|
| <b>Dr. Bijith Markarkandy</b> | Design methodology to emulate real life situations.               | Pedagogy                      | 1. The business model canvas is given to every student.<br>2. Product research tool Junglescout is explained and demonstrated.<br>3. Keyword selection tool merchant word is demonstrated. | Every student will be making business canvas for a business of their interest and presenting the same in class. | 1. Awareness about how to think in a logical and correct manner.<br>2. Students have developed genuine interest in market research. | PO 1,2,5      | PEO 1,3        |
| <b>Mr. Aditya Desai</b>       | Think Pair Share activity for classroom teaching.                 | Pedagogy                      | TPS for case study in SNMR subject.  | Answers generated after discussion of the questions and answers related to technology.                          | Students were able to understand the application of storage technology.   | PO 1, 2       | PEO 1,5,6,7    |
| <b>Mrs. Purvi Sankhe</b>      | Flipped classroom for one chapter.                                | Pedagogy                      | Contents were given to students 2-3 days before lecture and the discussion on the same was done in class w.r.t world scenario.   | Marks were given on the presentation.   | Students made it interactive and contents of topic were discussed by them with respect to real world scenario.                      | PO 2,5,9,10   | PEO 1,2,4,5    |
| <b>Mrs. Pranjali Kasture</b>  | Conduct role play based on topic like SET protocol in E Commerce. | Lecture Conduct               | Based on topic, students explained the concept by giving certain roles to them related to topic.   | Students can answer related to topic in class as well as in exam correctly                                      | Effective understanding of difficult topic.   | PO 7,8,9,10   | PEO 6,7        |

|                              |   |                                    |   |  |   |                    |             |
|------------------------------|---|------------------------------------|---|--|---|--------------------|-------------|
| <b>Mr. Rahul Neve</b>        | Conduct role play based on topic like election algorithm in distributed system.                                       | Lecture Conduct                    | Role play activity was conducted in lecture in which four students were given role to act as nodes and coordinator of distributed system. | Questions based on election algorithm was given in IAT. Practical was conducted on the same topic.                 | Most of the students were able to attempt the question in IAT which was based on election algorithm.                    | PO 1,2             | PEO 1       |
| <b>Mrs. Sangeeta Vhatkar</b> | - Interactive teaching with animation.<br>-Viva of the practical done should be taken at the end of each lab session. | Lecture Conduct<br><br>Lab Conduct | 1. Animation on memory management topic support knowledge.<br>2. Viva was taken for all experiments to improve knowledge of practicals.   | Helped to excel concepts of theory with 100% result.<br>Helped to excel practical knowledge with 100% TW.          | Term Test marks and university end exam improvement.<br>Improved term work and improved mini project knowledge.         | PO 1,2,5.          | PEO 2,3.    |
| <b>Mr. Namdeo Badhe</b>      | Extra lectures for absent students to solve the doubts or problems.   | Lecture Conduct                    | Lecture is taken and doubts are solved during free period.  | Students understand how to solve complex problems.   | Better understanding of the topic for absent students.  | PO1,2,3,4,5,6      | PEO 1,2,3   |
| <b>Mrs. Neha Kapadia</b>     | Presentation of the assigned topic.   | Lecture Conduct                    | Taken the presentation of assigned topic during lecture in classroom.   | Measurement based on assignment 3 marks and its mapping with CO's.   | Students can understand the assigned topic in detail and also can give additional input.                                | PO 2,3,4,9,10      | PEO 2,4,5,7 |
| <b>Mrs. Shruti Mathur</b>    | Presentation of the assigned topic.   | Lecture Conduct                    | For SC subject assignment 3 was given as presentation.  | Presentation skills, technical in depth, knowledge about the topic, linkage of topic to the real time application. | Students were able to gain application level understanding of the topic, also various types of examples were discussed. | PO 1,2,3,4,6,10,12 | PEO 1,3     |
| <b>Mr. Sudhir Dekhne</b>     | To divide the lecture duration into explanation (30 mins)   | Lecture Conduct                    | Since SPA is a programming language, concept delivery was   | -Improvement in problem solving ability.<br>-Improvement in logical skill development                              | Improvement in term test results from TT1 to TT2.   | PO 1,2,3,4,5,9,12  | PEO 1,2,3   |

|                            |   |             |  |  |   |                |                 |
|----------------------------|---|-------------|--|--|---|----------------|-----------------|
|                            | + activity (20 mins) + discussion (10 mins).  |             | done for the first 30 mins with syntax and semantics, next 20 mins were given to solve the similar problems for self-findings and next 10 mins for discussion on the findings and no. of solutions to one problem with exchange of idea to understand the concept. | ability.<br>-Students were able to solve problems asked during term tests and final examination.<br>-Students are able to implement programs on problem definition in practical exam.<br>Improved result 96%.  |   |                |                 |
| <b>Mr. Shridhar Kamble</b> | Mini project based on the entire curriculum . | Lab Conduct | Mini project was based on the entire curriculum which covers various technologies such as HTML5, CSS3, AJAX, JSON. Actual hosting on <a href="http://www.somee.com">www.somee.com</a>  | -Students have created website and hosted on free hosting server; <a href="http://www.somee.com">www.somee.com</a> .<br>-The task was on individual basis and students have analysed and understood the following principles in internet technology:<br>-Develop website based on various technologies such as HTML5, CSS3, AJAX, JSON.<br>- Demonstrate web applications, services using various tools. | Due to inclusion of mini project based on entire syllabus students have understood how to apply various internet-based technologies to design and develop web application and it strengthens the web technology domain. | PO 1,2,3,4,5,6 | PEO 1,2,3,4,5,6 |
| <b>Mr. Zahir Aalam</b>     | Inclusion of design based and group           | Lab Conduct | Design based experiments to enhance the learning.  | Attainment of CO's.  | Students start thinking related to application.   | PO 1,2,5,9     | PEO 1,5,6       |



**TCET**

**DEPARTMENT OF INFORMATION TECHNOLOGY (IT)**

Credit Based Grading System [CBGS - 2012[R]]/Choice Based Credit and Grading Scheme [CBCGS - 2016[R]]

**University of Mumbai**



Est. 2001

|                           |                                       |                 |  |  |  |         |           |
|---------------------------|---------------------------------------|-----------------|--|--|--|---------|-----------|
|                           | activity experiments.                 |                 |  |  |  |         |           |
| <b>Mr. Bhushan Nemade</b> | Use of black board to maximum extent. | Lecture Conduct | Use of black board and animation (using projector) | <ul style="list-style-type: none"><li>- Ease of presentation</li><li>- Gain attention and interest</li></ul> | <ul style="list-style-type: none"><li>- Ease of understanding.</li><li>- Increased memory for particular topic.</li><li>- Ease of making notes.</li><li>- Attentiveness in class.</li><li>- Better vision.</li><li>- Easily adaptable by everyone.</li><li>- Inexpensive teaching aid.</li></ul> | PO 9,10 | PEO 1,3,7 |

**sd\-**  
**Dr. Rajesh Bansdoe**  
**HOD, IT**

Copy: Dr. Kamal Shah (Mentor Dean)