# Pandit Deendayal Petroleum University
# School of Technology
# DEPARTMENT OF MATHEMATICS
# Minutes of BOS meeting

Dt.: 26th April, 2019

Time: 11:00 a.m.

**Agenda:** To review proposed course structure of 7th and 8th semester B.Sc. - honors program.

**Venue:** Committee room, E - Block, PDPU Campus.

1. Prof. T. P. Singh briefed the newly joined experts regarding our B. Sc – 4 years program.

2. Dr. Shobhit started with discussion of newly proposed courses.

3. Dr. Bhaskar Dubey suggested to remove unit 1 and add automata theory and some advance topics of discrete Mathematics.

4. Prof. Parikh suggested to add ERP-I and II in operation research course. He also asked to add an additional unit for tutorial with link of nptel - videos for all the courses. Sir also suggested to add Integrated Material management – Gopal Krishnan for OR.

5. Dr. N. Padmanabhan suggested to introduce PDE in numerical analysis, finite difference method – explicit, implicit and crank nicolson's method. He recommended to add Elementary Numerical Analysis – an algorithmic approach by conte de boor for Numerical Analysis reference.

6. Dr. Sudip asked to check format and typographical errors of differential geometry.

7. Dr. N. Padmanabhan recommended to add Fast Fourier Transform in unit 2 of mathematical physics.

8. Committee also suggested some project topics related to data mining, implementation of algorithms of numerical methods, applications in cryptography, thermodynamics, least square for B.Sc – Mathematics final year students.

# Members present:

Prof. T.P. Singh  **(Director - SoT)**

Prof. D. M. Parikh **(Dean - FoET)**

Dr. Poonam Mishra **(Co-ordinaor – BoS)**

Dr. Sudip Sengupta (**External members - Industry**)

Dr. N. Padmnabhan (**External members - Academics**)

Dr. Bhaskar Dubey (**External members – Industry**)

Dr. Shobhit Nigam **(Coordinating B. Sc – Mathematics program)**

Dr. Manoj Shani **(Faculty – Mathematics Department)**

Dr. Ansari          **(Faculty – Mathematics Department)**

Dr. Brajesh Jha **(Faculty – Mathematics Department)**

Dr. Ankush Raje **(Faculty – Mathematics Department)**