NEHRU MEMORIAL COLLEGE
(Autonomous)
PUTHANAMPATTI – 621 007

2019-2020

REVISION OF SYLLABUS – ~~2018-2019~~

UG – B.Sc. DATA SCIENCE

MEETING OF THE BOARD OF STUDIES – OCTOBER 06, 2018

Minutes of the Meeting

The Members of the Board met at 10.30 a.m. on 06th October 2018 in the Seminar Hall, Nehru Memorial College (Autonomous), Puthanampatti – 621 007, in the presence of the University Representative Dr.R.Jemima Priyadarsini, Associate Professor, Department of Computer Science, Bishop Heber College (Autonomous), Tiruchirapalli, Subject Expert, Dr.N.Shenbagavadivu, Assistant Professor, Department of Computer Applications, Anna University, Tiruchirappalli, and the Industry Expert Mrs.Swathihemanand, Lead, Bigdata Analyst, Ozone Manay Tech Park, 7th Floor, 'B' Wing, Hosur Road, Bangalore, India-560068 along with the following Internal members.

1. Dr.A.R.Ponperiasamy, Principal, Nehru Memorial College, Puthanampatti
2. Mrs.S.Mala, Asst. Prof., Dept. of Data Science, Nehru Memorial College
3. Dr.K.Sridevi, Asst. Prof., Dept. of Computer Science, Nehru Memorial College
4. Ms.P Kalpana, Asst. Prof., Dept. of Computer Science, Nehru Memorial College
5. Ms.M.Nirmala, Asst. Prof., Dept. of Mathematics, Nehru Memorial College

The subject expert Dr.V.Bhuvaneswari, Assistant Professor, Department of Computer Applications, Bharathiar University, Coimbatore-641046 couldn't make her presence due to unavoidable circumstances and has given her recommendations through email and is represented in Annexure-I.

Dr.K.Sridevi, Assistant Professor of Computer Science and chairperson for UG Data Science presented the proposed syllabus. The syllabus incorporates – 15 Core Courses, 3 Major Based Elective Courses, 4 Allied Courses, 2 Allied Practical,

2 Non Major Elective Courses, 3 Skill Based Elective Courses for the students to be admitted from ~~2018~~2019 2020 onwards. After in depth deliberations on issues concerning the syllabus, question paper pattern and the methodology to be adopted, the Board approved the syllabus proposals with necessary modifications and passed the following resolutions unanimously.

1) NMC/Auto/BOS/UG. Data Science/No. 1/2018

It is resolved to approve the syllabus of the 15 Course Courses, 3 Major Based Elective Courses, 4 Allied Courses, 2 Allied Practical, 2 Non Major Elective Courses, 3 Skill Based Elective Courses for the students to be admitted from ~~2018-2019 onwards.~~ 2019 – 2020 onwards.

2) NMC/Auto/BOS/UG. Data Science/No. 2/2018

It is resolved to follow the pattern of question paper enclosed in Annexure - II unanimously.
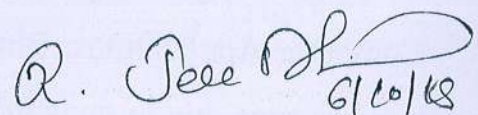
The recommendations and suggestion made by the committee is reported in Annexure – III. The detailed syllabus of the same is reported in Annexure – IV.

The meeting ended at 1.00 pm with a vote of thanks by Ms.P.Kalpana, Assistant Professor, Department of Computer Science, Nehru Memorial College (Autonomous), Puthanampatti.
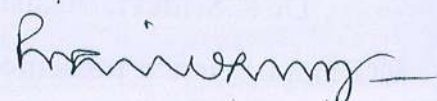
Members Signature:

Dr.R.Jemima Priyadarsini – University Nominee
Associate Professor
Department of Computer Science
Bishop Heber College (Autonomous)
Tiruchirapalli - 620017 .

Dr.N.Shenbagavadivu – Subject Expert
Assistant Professor
Department of Computer Applications
Anna University
Tiruchirappalli-620024

Mrs.Swathihemanand – Industry Expert
Lead, Bigdata Analyst
Ozone Manay Tech Park
7th Floor, 'B' Wing, Hosur Road
Bangalore, India-560068

Dr.A.R.Ponperiasamy
Principal
Nehru Memorial College (Autonomous)
Puthanampatti-621007

Mrs.S.Mala
Assistant Professor
Dept. of Data Science
Nehru Memorial College (Autonomous)
Puthanampatti-621007

Dr.K.Sridevi
Assistant Professor
Dept. of Computer Science
Nehru Memorial College (Autonomous)
Puthanampatti-621007

Ms.P.Kalpana
Assistant Professor
Dept. of Computer Science
Nehru Memorial College (Autonomous)
Puthanampatti-621007

Ms.N.Nirmala
Assistant Professor
Dept. of Mathematics
Nehru Memorial College (Autonomous)
Puthanampatti-621007

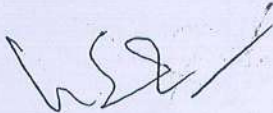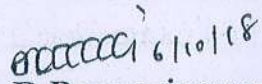## Annexure – III

Suggestions/ Recommendations by the Board of Studies (UG –Data Science)

1. It is recommended to use "OR tools" in mathematical tools lab.
2. Suggested to replace "Ethical Hacking" with "Simulation and Modeling".
3. It is recommended to add "Visualization Tools" in the mining lab and it should be "Mining and Visualization Lab" instead of "Data Mining Lab".
4. Suggested to use "Microsoft Power BI" tool as "Reporting Tool" in "Mining and Visualization Lab"
5. Suggested to introduce "Risk Analysis, Queuing Theory, Optimization Techniques and Factor Analysis" in Operations Research II course.
6. Recommended to add "Preprocessing Concepts" as a unit in "Data Science for Business".
7. Recommended to move "Data Security" from semester VI to V.
8. Suggested to remove "Neural Networks" and introduce "Data Warehouse Tools and Techniques".
9. In the course "Data Warehouse Tools and Techniques", suggested to introduce "The role of XML" in the content.
10. Suggested to use the open sources such as "Informatica" or "Data Stage" in the ETL Tools in the "Data Warehouse Tools and Techniques".

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Dr.K.Sridevi
Chair Person

Dr.A.R.Ponperiasamy
Principal