Telephone No: 2419208/2419315/2419219/2419361
Fax: 0821-2419363/2419301

e-mail : registrar@uni-mysore.ac.in
www.uni-mysore.ac.in

UNIVERSITY OF MYSORE

Established: 1916

Vishwavidyanilaya Karyasoudha
Crawford Hall, Mysore-570 005

No.AC.2(S)/151/2021-22

Dated: 18.08.2021

NOTIFICATION

Sub: Renaming of existing M.Tech. in CCT as M.Tech. in Data Analytics and Learning from the academic year 2021-22.

Ref: 1. Decision of Board of Studies in computer Science (PG) meeting held on 25.11.2020.
2. Decision of the Faculty of Science & Technology Meeting held on 08.02.2021.
3. Decision of the Academic Council meeting held on 07.04.2021.

*****

The Board of Studies in computer Science (PG) which met on 25.11.2020 has Renaming of existing M.Tech. in CCT as M.Tech. in Data Analytics and Learning from the academic year 2021-22.

The Faculty of Science and Technology and Academic Council meeting held on 08.02.2021 and 07.04.2021 respectively have approved the above said proposal and the same is hereby notified.

The detailed course of computer Science (PG) syllabus is annexed. The contents may be downloaded **from the University Website i.e., www.uni-mysore.ac.in**.

DRAFT APPROVED BY THE REGISTRAR

19/8

DEPUTY REGISTRAR (ACADEMIC)

Deputy Registrar (Academic
University of Mysore
Mysore-570 005

To:

1. The Registrar (Evaluation), University of Mysore, Mysore.
2. The Dean, Faculty of Science & Technology, DoS in Psychology, MGM.
3. The Chairperson, DoS in computer Science (PG), Manasagangotri, Mysore.
4. The Deputy/Assistant Registrar/Superintendent, AB and EB, UOM, Mysore.
5. The P.A. to the Vice-Chancellor/Registrar/Registrar (Evaluation), UOM, Mysore.
6. AC-7 Case worker, Academic Section, AB, University of Mysore, Mysore.
7. Office file.

Annexure-A

Renaming of M.Tech in CCT as M.Tech in Data Analytics and Learning (DAL) (Effective from Academic Year 2021 - 2022)

Preamble

The Department of Studies in Computer Science is very well specialized in the field of Artificial Intelligence and Machine Learning research. A well established research laboratory with high performance computing systems provides all the required resources for the research scholars as well as for the students to carry out quality research works and project works related to research and development. Significant contributions have been made by the researchers as well as the students in this area.

In order to effectively make use of the facilities available in the department and also to encourage master degree students from other disciplines with mathematics and statistical background M.Tech programme with two streams (i) Computer Science and Technology (CST) and (ii) Computer Cognition Technology (CCT) were started two decades ago and were very successful. Several students who have obtained M.Tech degree from the Department in both the streams are very well placed in the industry as well as in academic sectors. However, from the past three years, it is noticed that the number of students admitted to M.Tech (CCT) programme was drastically reduced and the precise reasons were not known. But to the best of our knowledge, we understood that the name CCT now looks odd when compared to M.Tech Programmes offered by VTU and also because of the PGCET examination conducted by KEA. The recent technology and trends in Data Science & Machine Learning and the job opportunities have attracted the Computer Science students to perceive the master's programme in the very specialized and well focused theme. In view of this, the Department of Studies in Computer Science has thought of renaming the existing M.Tech (CCT) programme as M.Tech (DAL) with an emphasis on Data Analytics and Learning under the ambience of High Performance Computing and accordingly the syllabi is changed.

Hence, the details of renamed M.Tech (DAL) Programme are as given below:

EARNING OF CREDITS:

On par with masters' programmes of our University and VTU, in order to obtain M.Tech (DAL) degree, the student has to earn a total of 80 credits (48 credits in Hard core courses, 28 credits in Soft core courses and 4 credits in Open Elective).

PROGRAMME CONTENT

HARD CORE COURSES	SOFT CORE COURSES
• Vector Algebra and Frequency Domain Transfer (3:0:1) • Probability, Statistics and Distribution Theory (3:1:0) • Machine Learning using Python (3:0:1) • Artificial Intelligence (3:1:0) • Neural Networks (3:0:1) • Data Clustering (3:0:1) • Dimensionality Reduction and Data Indexing (3:0:1) • Deep Learning Architecture (3:0:1) • Graph Theory (3:1:0) • Data Visualization and Annotations: Tools and Techniques (2:1:1) • Project Work (0:1:7)	• Image Processing (3:0:1) • Video Processing (3:0:1) • Advanced Data Structures and Algorithms (3:0:1) • Text Data Analytics (3:0:1) • Soft Computing Techniques (3:0:1) • Symbolic Data Analysis (3:0:1) • Speech Analytics (3:0:1) • Digital Signal Processing (3:0:1) • Biometrics (3:0:1) • Advanced Computer Architecture (3:1:0) • Semantic Web Analytics (3:0:1) • Internet of Things (3:1:0) • Natural Language Processing (3:0:1) • Cloud Computing and Intelligence (3:1:0) • Principles of Product Development (3:1:0)