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REF: VTU/BGM/PEC-OEC /920/2025-26/5785   DATE: 6 FEB 2026

CIRCULAR

Subject: Selection of Online Course under PEC Category (MMC411) for MCA Programme – 2024 Scheme

Reference: VTU/BGM/PEC-OEC/2025-26/4378, Dated: 25.11.2025

VTU/BGM/PEC-OEC /920/2025-26/5772, Dated 05.02.2026

All MCA programme students admitted under the 2024 Scheme are required to study **one online course** under the **Professional Elective Course (PEC) category**, bearing **Course Code: MMC411**.

In this regard, the list of online courses available under the Computer Applications / Computer Science group was referred to the Chairperson, Board of Studies in CSE (PG), MCA & BCA, Visvesvaraya Technological University, for suggestions.

The Chairperson has recommended the following courses for MMC411:

1. Advanced Computer Networks
2. Blockchain and its Applications
3. Parallel Computer Architecture
4. Quantum Algorithms and Cryptography
5. Affective Computing
6. Foundations of Cyber Physical Systems
7. GPU Architectures and Programming
8. Artificial Intelligence: Search Methods for Problem Solving
9. Natural Language Processing
10. Cloud Computing
11. Getting Started with Competitive Programming
12. Reinforcement Learning
13. Advanced Distributed Systems
14. Privacy and Security in Online Social Media
15. Ethical Hacking

All the above-mentioned courses are available on the VTU Online Learning Platform (https://online.vtu.ac.in) and are 12-week duration courses carrying 03 credits. Students are advised to select any one course from the above list to fulfill the requirement of Course Code MMC411. If a student has already selected an online course from **online.vtu.ac.in**, the same may be considered provided that the selected course does not map with or overlap any course studied in the previous semesters. Such cases shall be verified at the college level. An Excel sheet containing the course titles along with their respective web links is enclosed with this circular for reference and use. The courses are available at following link

(**https://online.vtu.ac.in/uploads/circular/1763720165-Registration%20for%20PEC%20and%20OEC%20-%20Final.pdf**)

All Principals of affiliated (non-autonomous and constituent) engineering colleges are hereby informed to bring the contents of this circular to the notice of all concerned students and faculty members for **strict compliance**.

Encl: Excel Sheet

Sd/-
Registrar

To,

The principals of all affiliated (Non-Autonomous and Constituent) engineering colleges under the ambit of the university where MCA programme has been offered.

The Chairperson /Programme-coordinators of university departments at Kalaburagi, Mysuru, Belagavi and Bengaluru

Copy to,

1. The Hon'ble Vice-Chancellor, through the Secretary to the VC, for information
2. The chairperson BoS in CSE(PG)/BCA/MCA, VTU Belagavi for information
3. The Director ITISMU VTU Belagavi for information and make necessary arrangements to upload the attached file on VTU web portal for stake holder's reference.
4. The Registrar (Evaluation) VTU Belagavi, for information and needful
5. The special officer, CoE Mysuru for information and needful
6. The Special Officer QPDS, VTU Examination section for information (Copy to Mr. Manjunath P)
7. Office file

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