**( EXTRA - ORDINARY )**
**Wednesday ,the 3rd April, 2013**
**Notification**

No. : 30 / 2013                 Date: 3/ 4 / 2013

**Subject :**      **Equivalence scheme for absorption of the M.Sc. Computer Science old course students in the CBCS semester pattern course**

       It is notified for general information of all concerned that the authorities of this University have accepted revised syllabi of M.Sc. Sem-I to IV for the subject Computer Science which is implemented from the Academic Session 2012-13 i.e. for Sem-I Winter-2012, Sem-II Summer-2013, and is to implemented from Academic Session 2013-14 i.e. for Sem-III Winter-2013 and Sem-IV Summer-2014 respectively as mentioned in the Notification No.81/2012. The Equivalence scheme for absorption of the M.Sc. Computer Science old course (Bi-annual pattern / Semester Pattern) students in the CBCS semester pattern course shall be as per Appendix-A appended with this Notification

Sd/-
(Dineshkumar Joshi)
Registrar
Sant Gadge Baba Amravati University

**Appendix-A**

**Equivalence scheme for absorption of the M.Sc. Computer Science old course students in the CBCS semester pattern course.**

| S.N. | Old Course (Bi-annual pattern / Semester Pattern) | Equivalent to CBCS semester pattern |
|---|---|---|
| 1 | Digital Systems & Microprocessor | 1MCS1 Digital System and Microprocessor |
| 2 | Data Structures & Algorithm (C++) | 2MCS2 Data Structures |
| 3 | Object Oriented Programming | 2MCS1 Java Programming |
| 4 | Digital Communication & Networking | 1MCS4 Computer Networks |
| 5 | System Analysis, Design & Software Engineering | 2MCS3 Software Engineering |
| 6 | System Software & Operating System | 1MCS3 Operating System |
| 7 | Windows Programming | 1MCS2 .Net Technologies and C# |
| 8 | Microprocessor Programming & Interfacing | 3MCS1 Data Mining and Data Warehousing |
| 9 | Computer Graphics & Image Processing | 3MCS2 Computer Graphics |
| 10 | **Elective – I**<br>i) Advanced Computer Network<br>ii) Modelling & Simulations<br>iii) Multimedia Techniques<br>iv) Computational Science<br>v) Compiler Writing | 2MCS4 (1) Discrete Mathematical Structures<br>2MCS4 (2) Compiler Construction |
| 11 | Web Technology & Programming | 4MCS2 Design and Analysis of Algorithms |
| 12 | Advance Database Management | 3MCS4 (1) Distributed Database System |
| 13 | Advance Microprocessor Devices | 4MCS3 Network Security |
| 14 | Client Server Computing | 3MCS3 Client-Server Computing |
| 15 | **Elective-II**<br>i) Embedded System<br>ii) Object Oriented Technologies<br>iii) Network Security<br>iv) Software Testing<br>v) Computer Oriented Numerical & Statistical methods & Optimization Techniques | 4MCS4 (3) Software Testing |
| 16 | Artificial Intelligence & Expert System Design | 4MCS1 Artificial Intelligence and Expert Systems |
| 17 | Parallel Computer Architecture | 4MCS4 (1) Mobile Communications |
| 18 | **Specialization**<br>i) Operating System Design<br>ii) Mobile Communication<br>iii) Object Oriented Modeling & Design<br>iv) Decision Support Systems<br>v) Robotics and Computer Vision | 4MCS4 (2) Digital Image Processing<br>3MCS4 (2) Theory of Computation |

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