

ಬೆಂಗಳೂರು ನಗರ ವಿಶ್ವವಿದ್ಯಾನಿಲಯ



BENGALURU CITY UNIVERSITY

Office of the Registrar, Central College Campus, Dr. B.R. Ambedkar Veedhi, Bengaluru – 560 001.
Ph.No.080-22131385, E-mail: registrarbcu@gmail.com

No: BCU/NEP/Digital Fluency/314/2021-22

Date: 29.12.2021.

NOTIFICATION

- Sub:- 1) Modified Environmental Studies Syllabus and
2) Modified Syllabus for Digital Fluency (Skill Enhancement Course) - for Under Graduate Programs of Bengaluru City University.

- Ref:- 1. University Regulations Governing CBCS Semester Scheme as per NEP-2020.
2. Email dated 22.12.2021 received from the Vice-Chairman, KSHEC.
3. Letter dated 24.12.2021 of the Chairperson, BoS in Environmental Science
4. Email dated 27.12.2021 along with the Digital Fluency Syllabus received from the Chairman, BoS in Computer Science.
5. Resolution of the Academic Council at its meeting held on 12.10.2021.
6. Approval of the Vice-Chancellor dated 29.12.2021 as per provision under Section 21 of the NEP Regulations.

1) Pursuant to the suggestions of the Karnataka State Higher Education Council, the Board of Studies in Environmental Science has modified the Syllabus and teaching work load for I & II Semester Environmental Studies as per NEP-2020. Accordingly, the modified **I & II Semester Environmental Studies** Syllabus, Curriculum and Teaching hours of Ability Enhancement Compulsory Course (AECC) for Undergraduate programs of Bengaluru City University are hereby notified for implementation from the academic year 2021-22.

2) Further, in pursuance of the recommendations of the KSHEC and the Board of Studies in Computer Science, the Syllabus for “**Digital Fluency (Skill Enhancement Course)**” is hereby notified for implementation from the academic year 2021-22 in place of the Syllabus notified vide Notification No:BCU:NEP-2020/BoS/Digital Fly/2021 dated 06.12.2021.

The copy of the modified Environmental Studies Syllabus and “Digital Fluency (Skill Enhancement Course) Syllabus are uploaded in the University Website: www.bcu.ac.in for information of the concerned.


REGISTRAR

To,

1. The Principals of the concerned affiliated Colleges of BCU – through email.
2. The Registrar (Evaluation), Bengaluru City University, Bengaluru.

Copy to;

1. The Dean, Faculty of Science, BCU.
2. The Chairperson & Members of BoS in Environmental Studies (UG), BCU.
3. The Chairman, BoS in Computer Science, BCU.
4. The P.S. to Vice-Chancellor/Registrar/Registrar (Evaluation), BCU.
5. Office copy / Guard file/University Website www.bcu.ac.in

BANGALORE CITY UNIVERISTY

Proceeding of the meeting of the Board of Studies in Computer Science, held online on 24-12-2021
at 3:30 p.m

The Following Members were present:

1. Dr. Guru D.S, Professor, PG Department of Computer Science, Univeristy of Mysore
2. Dr. Chandrakanth Naikodi, Associate Professor, PG Department of Computer Science, Davanagere University
3. Dr. H.K. Gundurao, Associate Professor, Vijaya College, Bangalore
4. Dr. Prathibha V Kalburgi, Ramaiah College of Arts Science, and Commerce, Bangalore
5. Mrs. Amalorpavam, Sambram Academi of Management Studies, Bangalore
6. Dr. Muralidhara B L, Professor, Department of Computer Science, Bangalore University

The Following member is diseased

1. Late. Malathi Palani. A

The Following Members did not attend the meeting:

1. Dr. Susesha, Professor, PG Department of Computer Science, Univeristy of Mysore
2. Dr. Prabhakar C.J, Professor, Kuvempu University, Shimogga
3. Dr. Bhagyawana S Mudigowda, Associate Professor, Maharani Cluster University
4. Smt. Nagarathamma S.M, Associate Professor, Maharani Cluster Univeristy

The following were present in the meeting as special invitees:

1. Dr. H.S. Nagendra Swamy, Professor, Department of Computer Science, University of Mysore
2. Dr. B.H. Shekar, Professor, Department of Computer Science, Mangalore Univeristy

The Chairperson welcomed the members and proposed the following agenda:

Agenda I: The Registrar, Bangalore City University had send a letter to the Chairperson, BoS to consider the letter of the Karnataka Higher Education Council Vice Chairman, regarding "Digital Fluency" syllabus

Decision: After going through the syllabus of the NASSCOM, and the letter of the Vice Chairman, Karnataka Higher Education Council, the Board is of the opinion that the syllabus proposed by the NASSCOM may be hard to many students, and the Board decided to propose a syllabus. The Committee framed the syllabus for the “Digital Fluency” course, and the same is enclosed as an attachment.

Agenda II: Approval of the B.Voc (IT) Syllabus for NEP scheme

Decision: The Committee discussed the proposed syllabus, and approved the B.Voc (IT) Syllabus for NEP scheme from the academic year 2020-21.

The Chairperson thanked all the members for their active participation.

(Dr. Muralidhara B L)

Chairperson

Digital Fluency (Skill Enhancement Course)
Number of Credits: 2 (One hour of Theory, and Two hours of practicals)

Unit I: [5 Hours]
Operating Systems, types of operating systems, major functions of the operating systems, types of user interface, examples of operating systems: MS-DOS, Windows, Mac OS, Linux, Solaris, Android. Office automation tools : word processor, power point, and spread sheet.

Unit II: [5 Hours]
Introduction to Computer Networks, Evolution of Networking, types of networks, Network devices - Modem, ethernet card, RJ45, Repeater, Hub, Switch, Router, and Gateways, Identification of Nodes in a Networked Communication, Internet, Web and the Internet of Things, Domain Name Systems. Security Aspects - Threats and Prevention, Malware - virus, Worms, Ransomware, Trojan, spyware, adware, key loggers, Modes of Malware distribution, Antivirus, HTTP vs HTTPS, Firewall, Cookies, Hackers and Crackers,

Unit III: [5 Hours]
Database Management Systems, Relational Data Model. Introduction to e-learning platforms such as Swayam, and MOOC. Virtual Meet: Technical Requirements, Scheduling a meeting, joining virtual meet, recording the meeting, Online Forms: Creating questionnaire, Publishing Questionnaire, conducting online responses, Analysing the responses, copying graphics into powerpoint, Downloading the response to spreadsheet. Introduction to societal impacts, Digital Foot prints, Digital Society and Netizen, Data Protection, E-waste, Impact on Health.

Laboratory Activities: [30 Hours]
Identifying the configuration of a computer system, laptop, and a mobile phone, Identifying the version and the configuration of the operating system of a computer, laptop, and a mobile phone, Identifying the network components like patch cord, switch, RJ 45 Jack, Socket, and wireless router, creating a hotspot from a mobile phone, and allowing others to use the hotspot, creating a Google form, and send it to five users, scheduling a virtual meet and invite three people to join the Google meet, record the virtual Meet, Creating an account in the railway reservation website, IRCTC, and finding trains from Tumkur to Hubli, creating a one minute video of your choice in your native tongue, and upload the video to YouTube, composing word document, creating tables, creating charts, preparing power point slides, simple computation using spread sheet.

Web Resources:

Operating Systems - https://ftms.edu.my/v2/wp-content/uploads/2019/02/csca0101_ch06.pdf
Database Concepts - <https://ncert.nic.in/textbook/pdf/keip107.pdf>
Computer Networks - <https://ncert.nic.in/textbook/pdf/lacs110.pdf>
Security Aspects - <https://ncert.nic.in/textbook/pdf/lacs112.pdf>
Societal Impact - <https://ncert.nic.in/textbook/pdf/leip106.pdf>
Google Meet Tutorial - <https://edvance.hawaii.hawaii.edu/wp-content/uploads/Google-Meet-Tutorial-Getting-Started-and-Recording-a-Lecture.pdf>
Google Forms - https://pdst.ic/sites/default/files/Google%20Drive_1.pdf

Teaching Modalities: Faculty of Computer Science shall teach this course

Evaluation Method

1. The evaluation method is based on descriptive question paper.
2. The question paper will have equal weightage for all three units.
3. There shall not be any explicit practical examination. However, while evaluating students for continuous assessment, the practical component shall be considered with 50% weightage
4. The pattern of question paper is as decided by the Bangalore City University for 2 credit courses.