Estd. 1962
NAAC 'A' Grade

जा.क्र./एसयु/बीओएस/ **0 0 0 0 7 4** दिनांक: **0 3 FEB 2021**

प्रति,

मा.प्राचार्य,	मा.अधिविभाग प्रमुख,
सर्व संलग्नित महाविद्यालये (पी.जी.)	सर्व अधिविभाग (सायन्स)
शिवाजी विद्यापीठ, कोल्हापूर	शिवाजी विद्यापीठ, कोल्हापूर

विषयः– शैक्षणिक वर्ष 2020–21 पासून लागू करण्यात आलेल्या Mandatory Non-CGPA Elective Course for M.Sc.Part-II CBCS Sem- III (ICT Tools) बाबत.

संदर्भ :– SU/BOS/Covid-19/By-email Dated 28/07/2020.

महोदय/महोदया,

उपरोक्त विषयासंदर्भात विद्यापीठ अधिकार मंडळाच्या निर्णयानुसार आपणास कळविण्यात येते की, शैक्षणिक वर्ष 2020–21 पासून लागू करण्यात आलेल्या Mandatory Non-CGPA Elective Course for M.Sc.Part-II CBCS Sem- III (ICT Tools) च्या अभ्यासक्रमातील किरकोळ दुरूस्तीसह सोबत जोडून पाठविण्यात येत आहे.

तसेच सदर अभ्यासक्रम व प्रश्नपत्रिकेचे स्वरूप विद्यापीठाच्या **www.unishivaji.ac.in** Students (Onlie Syllabus) या संकेतस्थळावर उपलब्ध आहे. सदरची बाब सर्व संबंधीतांच्या निदर्शनास आणून द्यावे.

कळावे,

आपला विश्वासू

उपकुलसचिव

प्रत :– 1) संचालक,परीक्षा व मुल्यमापन मंडळ.

2) प्र.अधिष्ठाता, विज्ञान व तंत्रज्ञान विद्याशाखा.

3) अध्यक्ष,सर्व अभ्यासमंडळ/अस्थायी मंडळ,विज्ञान व तंत्रज्ञान विद्याशाखा.

Estd. 1962

NAAC 'A' Grade

Shivaji University, Kolhapur

Faculty of Science and Technology

Syllabus for

Mandatory Non-CGPA Elective Course for

M.Sc Part-II Sem-III

Under
Choice Based Credit System

(To be implemented from June 2020 onwards)

(Subject to the modifications that will be made from time to time)

Shivaji University, Kolhapur

Academic Year-2020-21

Mandatory Non-CGPA Elective Course for M.Sc Part-II Sem-III

Faculty of Science and Technology

<u>**Syllabus**</u>

M.Sc. Part –II SEM-III

ICT Tools

Non-CGPA OE-307

Study hours per week: 02 Credit: 02

Course Outcomes: After successful completion of this course the students will be able to -

1. Understand importance and need of incorporating modern ICT tools in education.
2. Use social networking sites for research and academics.
3. Work collaboratively on different projects and assignments through online mode.
4. Work with different Reference Management and plagiarism tools.
5. Use applications of Google for academics, carry out Scholarly writing using Ms-Word.

Unit I: ICT for Learning and Research **(15 hrs.)**

a. Introduction of MOOC and Open Source LMS, LMS Activities and Resources.

   MOOC (NPTEL, Spoken Tutorials, e-PG Pathshala, Coursera, eDX, Udemy, Unacademy)
b. Awareness of Academic Social Networking Sites (Academia.edu, Research Gate, Linkedin, Google Scholar, ORCID)
c. Reference Management Software (Zotero, Mendeley, EndNote)
d. Scholarly writing using Ms-Word.

Unit II: ICT Tools for Academics **(15 hrs.)**

a. Google Slides, Google Meet, Google forms and Certify'em, Google Sites.
b. Concept of OER and FOSS for education
c. Plagiarism Tools, Understanding Creative commons - Handling copyright for online resources / Courses.

References:

Sr. No.	Topic	Reference / Link
1	**MOOC**	https://www.indiaeducation.net/online-education/all-about-moocs-massive-open-online-courses-india-abroad.html https://www.mooc.org/about-moocs
2	**LMS**	https://elearningindustry.com/what-is-an-lms-learning-management-system-basic-functions-features https://moodle.org/ https://docs.moodle.org/38/en/Activities https://www.youtube.com/watch?v=DsQNAprWBfg https://www.youtube.com/watch?v=BENxpst5yM8
3	**Creative Commons**	https://creativecommons.org/about/ https://www.youtube.com/watch?v=4dxBa_GlpRo https://www.youtube.com/watch?v=srVPLrmlBJY
4	**Plagiarism Tools**	https://www.techtimes.com/brandspin/238059/20190130/top-5-best-plagiarism-checking-tools-2019.htm https://elearningindustry.com/top-10-free-plagiarism-detection-tools-for-teachers https://www.scribbr.com/plagiarism/free-plagiarism-checker-comparison/
5	**Google slides**	https://support.google.com/docs/answer/2763168?co=GENIE.Platform%3DDesktop&hl=en https://www.youtube.com/watch?v=o7wvajrAxUQ https://www.youtube.com/watch?v=KFPB68S7L54
6	**Google Meet**	https://support.google.com/a/users/answer/9282720?hl=en https://www.techradar.com/in/how-to/how-to-use-google-meet https://teachercenter.withgoogle.com/first-day-trainings/welcome-to-google-hangouts-meet
7	**Google forms and Certify'em**	https://atguides.humboldt.edu/m/google/l/792830-how-do-i-use-google-forms-and-sheets-to-automatically-generate-custom-certificates https://www.youtube.com/watch?v=G98B8_JZo-0
8	**Digital Initiative of government of India in higher education**	https://mhrd.gov.in/ict-initiatives https://www.lisportal.com/en/lis-result/3720-digital-initiative-of-govt-of-india-in-higher-education

9	**Resources, Reference Management Software (Zotero, Mendeley, EndNote)**	https://library.si.edu/sites/default/files/tutorial/pdf/endnotezoteromendeleychart-2018sept.pdf
10	**Google Sites**	https://sites.google.com/site/tiesitestutorial/
11	**Scholarly Writing with MS-Word**	http://www.postgraduate.uwa.edu.au/__data/assets/pdf_file/0018/2904300/SeminarSeries_Word.pdf https://www.youtube.com/watch?v=qr9rtFG7fKM https://www.youtube.com/watch?v=4ruXKxwQ4LE https://www.learningcomputer.com/ms_word_references_tab/
12	**Awareness of Academic Social Networking Sites**	Authorised websites of the respective product/ service
13	**Open Educational Resources**	https://www.oercommons.org/oer
14	**FOSS**	https://eric.ed.gov/?id=EJ1179515
15	**NPTEL**	https://mhrd.gov.in/ict-initiatives