UNIVERSITY OF KERALA

Core Course in POLITICAL SCIENCE

for the students of BA Degree Programme in Political Science under CBCSS

SYLLABUS

Semester: **3** Type of course: **Foundation Course**
Course Code: **PS1321** Course Name: **INFORMATICS AND POLITICAL SCIENCE**
Instruction Hours/Week: **4** Number of credits: **3**

Aim of the Course

To update and expand basic informatics skills and attitudes relevant to the emerging knowledge society and to equip the students to effectively utilize the digital knowledge for the study of Political Science.

Objectives of the course

1. To review the basic concept and functional knowledge in the field of Informatics
2. To create awareness about the nature of the emerging digital knowledge society
3. To create awareness about socio-political issues and concerns in the use of digital technology

MODULE I - OVERVIEW OF INFORMATION TECHNOLOGY

Features of the modern personal computer and peripherals, computer networks & Internet, wireless technology, cellular wireless networks, introduction to mobile phone technology, introduction to ATM. Purchase of technology, License, Guarantee, Warranty, overview of Operating Systems & major application software

MODULE II - KNOWLEDGE SKILLS FOR HIGHER EDUCATION

Data, information and knowledge, knowledge management- Internet access methods - Dial-up, DSL, Cable, ISDN, Wi-Fi - Internet as a knowledge repository, academic search techniques, creating cyber presence, case study of academic websites, open access initiatives, open access publishing models. introduction to use of IT in teaching and learning, case study of educational software, academic services-INFLIBNET, NICNET, BRNET

MODULE III - IT APPLICATIONS

e-Governance applications at national and state level, IT for national integration, overview of IT application in medicine, healthcare, business, commerce, industry, defence, law, crime detection, publishing, communication, resource management, weather forecasting, education, film and media, IT in service of disabled, futuristic IT- Artificial Intelligence, Virtual Reality, Bio-Computing.

MODULE IV - SOCIAL INFORMATICS AND POLITICAL SCIENCE

IT & Society- issues and concerns- digital divide, IT & development, the free software movement, impact of IT on socio-political and economic issues - Unicode-IT and regional languages. Internet as physical infrastructure, memory platform and cyberspace, characterisation of the growth of Internet. Use of IT in democratic decentralized governance,cyber security, software piracy, cyber laws,health issues-guidelines for proper use of computers,e-wastes and green computing.

MODULE V - USE OF IT IN POLITICAL SCIENCE RESSEARCH

Techniques of data entry, data analysis with Scilab/SPSS

BOOKS

1. Alan Evans, et al. Informatics -Technology in Action. Delhi: Pearson.
2. Barbara Wilson, Information Technology: The Basics, Thomson Learning.
3. Rajaram V, Introduction to Information Technology, Prentice Hall.
4. Ramesh Bangi, Learning Computer Fundamentals, Khanna Books

PS: This is only a copy of the syllabus of the course, published by the University and is primarily intended to provide an easy reference to the students of the course. As the University is the final authority, as far as the syllabus of a course is concerned, the students are advised to verify that the University has not made subsequent changes in the syllabus of the course.

ST. GREGORIOS COLLEGE KOTTARAKARA http://www.gregorioscollege.org