



SOC-SEC-151

ICT AND COMPUTER APPLICATION IN SOCIAL SCIENCE

Full Marks: Semester-70 + Internal-30 = 100

No. of Credits: 3

Pass Marks: Semester-28 + Internal-12 = 40

No. of Lectures: 45

OBJECTIVE: Basic or fundamental knowledge in computer education is must now for all people. Students need to know and use computer to facilitate their everyday study to develop their skill. Hence the course intends to acquaint the students about essential features and basic programme including software of computer.

COURSE OUTLINE

- UNIT I** : **Basic of computer**
Hardware, Definition, Types and anatomy of computer, History of computer generation, Application
- UNIT II** : **Internet – Genesis, CMC (Computer Mediated Communication)**
Search Engine: Jstor, Google, Yahoo, Bing
- UNIT III** : **E-methods**
Application in Research
- UNIT IV** : **Software**
MS office
SPSS
NVivo
Referencing
Plagiarism
- UNIT V** : **Computer Digital Library**
Swayam
Shodhganga
Del Net

READING LIST

- Baker, R. P. 1992, 'New Technology in Survey Research: Computer Assisted Personal Interviewing CAPI.', *Social Science Computer Review*, vol.10, pp.145-157.
- Beckenbach, A. 1995. 'Computer Assisted Questioning: The New Survey Methods in the Perception of the Respondents', *BMS*, vol.48, pp. 82-100.

- Bennet, D. & Goodger, C.1993. 'Interviewer training for CAI at OPCS', paper presented at the 1993 Conference of the Study Group on Computers in Survey Analysis. City University, London.
- Berry, S. H. & O' Rourke, D.1988. 'Administrative Designs for Centralised Telephone Survey Centers: Implications of the Transition To CATI' in R.M. Groves, P.P. Biemer, L.E. Lyberg, J.T. Massey, W. L. Nicholls II & J. Waksberg editors. *Telephone Survey Methodology*. New York: Wiley.
- Bond, J. 1991. 'Increasing the Value of Computer Interviewing' in Proceedings of the 1991 ESOMER Congress.
- Cahuman, H.L. & Leyhe, E. W. 1985. 'Human Versus Computer Interviewing', *Journal of Personality Assessment*, vol.49, pp.103-106.
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- Couper, M.P. and Groves, R.M.1992, 'Interviewer reactions to alternative hardware for computer assisted personal interviewing'. *Journal of Official Statistics*, vol .8, pp.201-210.
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- Groves, R. M. & Nicholls, W.L.1986. 'The status of computer-assisted telephone interviewing: part II-Data quality issues', *Journal of Official Statistics*, no.2, pp.117-134.
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- Hox, J.J., De Bie, S.& De Leeuw,E.D.1990. 'Computer Assisted Telephone. Interviewing: A review' in J. Gladitz & K.G.Troitzsch Editors., *Computer Aided Sociological Research*. Berlin: Akademie-Verlag
- Jacobs, M.A.1993. Software kopen of kopiëren? een social wetenschappelijkonderzoeknaar pc-gebruikers (in Dutch: buying or copying software? a study of pc- users).Amsterdam: Thesis-publishers
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- Locke, S.E., Kowaloff, H.B., Hoff, R.G., Safran, C., Popovsky, M.A., Cotton, D.J., Finckelstein, D.M., Page, P.L. & Slack, W.V. 1992. 'Computer-based interview for screening blood donor risk of HIV infection', *Journal of the American Medical Association*, vol.268, pp.1301-1305.
- Martin, J. & Mannes, T. 1995. 'Computer assisted personal interviewing in survey research' in R.M. Lee editor. *Information Technology for the Social Scientist*. London: UCL Press.
- Olsen, R. J. 1992. 'The Effects of Computer Assisted Interviewing on Data Quality', Paper Presented at The 4th Social Science Methodology Conference, Trento.
- Rezmovic, V. 1977. 'The effects of computerized experimentation on response variance', *Behaviour Research Methods & Instrumentation*, vol. 9, pp. 144-147.
- Saris, W.E. 1989. 'A Technological Revolution in Data Collection', *Quality & Quantity*, vol.23, pp.333-349.
- Saris, W.E. 1991. *Computer-Assisted Interviewing*. Newbury Park: Sage.
- Stockemer D., 2019. *Quantitative Methods for the Social Sciences: A Practical Introduction with Examples in SPSS and STATA*.
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- Weinberg S.L. & Abramoqitz S.K. 2008. *Statistics Using SPSS: An Integrative Approach*, Cambridge University Press, USA.

COURSE OUTCOME

The course content is very much useful and stands high relevance for all students who will excel by doing their respective works through use of ICT or appropriate application of computer technology. The students will further undertake both qualitative and quantitative studies by using the technology and fit that strongly at par with global standards and competition by getting good employment opportunities vis-a-vis developing their own industry of employability.