

e of any access problem or any other assistance, you may contact undersigned or email us et shelp@inflibnet.ac.in Tel 079-23264258/55.

Thanking you, Best wishes and regards Ashok

अशोक कुमार राय वैज्ञानिक ई (सीएस) Ashok Kumar Rai Scientist E (Computer Science), Incharge eSS and PDS INFLIBNET Centre (An IUC of UGC) इनफ्लिबनेट केन्द्र, इन्फोसिटी गांधीलगर गुजरात Infocity, Gandhinagar-382007, Gujarat, INDIA दरमाप/Tel. +91-79-23268240 (off) kashokrai@gmail.com वेवसाइट/Web: http://www.inflibnet.ac.in

Res: F-104, Pramukh Oasis, Nr Sargasan Cross Rd, SG Highway, Gandhinagar 382421



BADDI UNIVERSITY OF EMERGING SCIENCES & TECHNOLOGY

BUEST/SPES/2017/

31 January, 2017

To,

Hon'ble Vice Chancellor

BUEST, Baddi

SUBJECT: Regarding approval of Research Degree Committee (RDC) 2016-2017.

Respected Sir,

As per the Ph.D. ordinance of BUEST, the composition of RDC of various schools for the academic session 2016- 2017 is as follow:

| Scho 1. | Prof. (Dr.) Nitin Verma Dean-R & D | Chairperson |
|------------|--|-------------|
| 2. | Prof. (Dr.) T.R. Bhardwaj Dean-SPES | Convener |
| 3. | Prof. (Dr.) Saahil Arora HOD-SPES | Member |
| 4. | Supervisor (s) | Member |
| 4. 5. | One expert from the concerned subject/discipline nominated by the Vice Chancellor on the recommendation of Dean R & D from the approved panel | Member |

| Sche | ool of Engineering and Emerging Technology (SEET) | |
|----------|--|-------------|
| 1. | Prof. (Dr.) Nitin Verma Dean-R & D | Chairperson |
| 2. | Dean-SEET | Convener |
| | HOD of concerned department | Member |
| 3. 4. | Supervisor (s) | Member |
| 5. | One expert from the concerned subject/discipline nominated by the Vice Chancellor on the recommendation of Dean R & D from the approved panel | Member |

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| and the second second | ol of Management Studies (SMS) | Cit - townson |
|-----------------------|--|---------------|
| ۱. | Prof. (Dr.) Nitin Verma | Chairperson |
| | Dean-R & D | |
| | Prof. (Dr.) George Thomas | Convener |
| | | |
| | HOD/Senior Professor of concerned department | Member |
| | Supervisor (s) | Member |
| | One expert from the concerned subject/discipline nominated by the Vice Chancellor on the recommendation of Dean R & D from the approved panel | Member |

Kindly approve the same.

Yours sincerely,

NI CC.

Prof. (Dr.) Nitin Verma Dean R & D

Submitted to Hon'ble Vice-Chancellor for Approval

a direct Bathat

Approve). Is be notified. 31/1/2017

2 7 2



BADDI UNIVERSITY OF EMERGING SCIENCES & TECHNOLOGY

BUEST/SPES/2017/ 14

31 January, 2017

To,

Hon'ble Vice Chancellor

BUEST, Baddi

SUBJECT: Regarding approval of University Research Board (URB) 2016-2017.

Respected Sir,

As per the Ph.D. ordinance of BUEST, the composition of URB for the academic session 2016-2017 is as follow:

| 1. | Prof. (Dr.) Shakti Kumar Vice Chancellor-BUEST | Chairperson |
|----|---|------------------|
| 2. | Prof. (Dr.) T.R. Bhardwaj Dean-SPES | Member |
| 3. | Prof. (Dr.) George Thomas Dean-SMS | Member |
| 4. | Prof. (Dr.) Vinay Bhatia Dean-SW | Member |
| 5. | Prof. (Dr.) Ajay Goel Dean-Academics | Member |
| 6. | Dr. Vijender singh Associate Dean-SOS | Member |
| 7. | Two experts nominated by the Vice Chancellor | Member |
| 8. | Prof. (Dr.) Nitin Verma Dean-R&D | Member Secretary |

Kindly approve the same.

Yours sincerely,

Prof. (Dr.) Nitin Verma Dean R & D

Submitted to Hon'ble Vice-Chancellor for Approval .

Approved. to be molified

-Committee for the Purpose of Control and Supervision of Experiments on Animals Ministry of Federate, Annual Hadaratty and Darying Department of Annual History and Darying Geometricated of Inde- Brighthorises Sec. FOLDTHORG/STALLIDER
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Government of Brids. ID 5814 All rights reserved, CPC328

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Baddi University of Emerging Sciences & Technology Makhnumajra, Baddi, Distt, Solan H.P.- 173205, India, Telephone:01795-247353 www.baddiumv.ge.m

| Programme Name | Pre-Ph.D. Course Work | Programme Code | |
|----------------|--------------------------|----------------|-------|
| Course Code | RM-101 | Credit | 4 |
| Year/Sem | 1/1/ | L-T-P | 4-0-0 |
| Course Name | Research Methodo | ology | |

Objectives of the Course:

- 1. To Equip the Students with the Concept and Methodology of Research.
- To provide knowledge about type of research, preparation of reports and thesis, designing of Research using Scientific Methods.

UNIT I (Total Topics- 7 and Hrs-12)

Introduction to Research: Definition, Nature and significance, Role and Objectives; Types of Research: exploratory, descriptive, experimental and diagnostic research, social and legal research and traditional, analytical, empirical & fundamental research. Doctrinal and non-doctrinal research methods; Various Research Designs; Scientific Research Process: Overview, Problem identification and formulation of research statement.

UNIT II (Total Topics- 7 and Hrs- 12)

Data Collection: sources, primary and secondary methods, significance of Primary and Secondary Data, questionnaire Vs. schedules; Data Processing: Editing, Coding Organization and Presentation; Attitude Measurement and scaling: Measurement Scales, Sources of Errors in Measurement. Techniques of Developing Measurement Tools, Classification and Testing (Reliability, Verification and Validity) Scales, Designing Questionnaires and Interviews.

UNIT- III (Total Topics- 5 and Hrs- 10)

Sampling, Sampling Methods, Sampling Plans, Sampling Error, Sampling Distributions: Theory and Design of Sample Survey, Census Vs Sample Enumerations. Objectives and Principles of Sampling, Types of Sampling, Sampling and Non-Sampling Errors, Concept of Permutation, Combination & Probability for research analysis.

UNIT-IV(Total Topics- 5 and Hrs- 10)

Interpretations and Report Writing: Meaning of Interpretation, Techniques of Interpretation, Precautions in Interpretation, Significance of Report Writing, Steps in Report Writing, Layout of Report and Precautions in Writing Research Reports. Limitations of RM: Ethics in Research, Philosophical Issues in Research.

COI. Acquire in-depth knowledge of various fundamentals, theories and principles related to the research and apply the acquired knowledge in carrying out research studies in the area of interest.

CO2. Identify, formulate and critically investigate research problems by applying research-oriented knowledge and analyze relevant data to reach certain conclusions in the form of alternative solutions to these problems.

CO3. Apply the acquired knowledge and skills to develop minds to think out of the box while carrying out research operations to conclude something.

CO4. Apply parametric and non-parametric statistical tests to verify the developed hypothesis to suggest innovative solutions to the problem being investigated.

1



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Reference Books

- 1. William G. Zikmund, "Business Research Methods", Orlando: Dryden Press.
- 2. C. William Emory and Cooper R. Donald, "Business Research Methods", Boston, Irwin.
- 3. Fred N Kerlinger, "Foundations of Behavioural Research", New Delhi: Surjeet Publications.
- 4. Naresh Malhotra, Marketing Research : An Applied Orientation, Pearson publication David Nachmas and
- ChavaNachmias, "Research Methods in the Social Sciences", New York; St.Marlia's Press.
- 5. Bhattacharya, D. K. (2004) Research Methodology, New Delhi, Excel Books.

Assessment Model:

- Average of best four out of six Quizzes (25 Marks)-25 Marks
- Average of TWO Mid-Terms (50 Marks) -20 Marks
- Attendance-5 Marks
- End-Term (100 Marks) 50 marks

Total Assessment (Out of 100 Marks)



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| Programme Name | Pre-Ph.D. Course Wark | Programme Code | |
|---|--|---|--|
| Course Code | RPE-103 | Credit | 2 |
| Year/Sem | 1/1 | L-T-P | 2.0.0 |
| Course Name | Research& Public | | Trease |
| UNIT I (Total Topics Introduction to philoso Ethicy definition, more UNIT II (Total Topics Ethics with respect to a Intellectual homesty an Scientific meconducts Redundard publication Selective reporting and UNIT- III (Total Topics Publication ethics: defi- liest practices' standard Conflicts of interest Publication misconduct | e: knowledge about othics and o l and Hes-8) phy: definition, nature and ac al philosophy, nature of mora l and Hes-5) cience and research l research untegrity Fabilication, Fabrication, an chapticate and overlapping p interpresentation of data 7 and Hes-7) mition, introduction and impo- ts setting initiatives and guide definition, corecan, modeled | ode of research publica upe: concept, branches I judgments and reactar of Plagnents and reactar of Plagnents and reactar bublications, salarni slic relance times: COPE, WAME, | ns |
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research metrics. CO5. Publish credible & scholarly publications in reputed peer-reviewed journals.

Assessment Model:

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- Average of TWO Mid-Terms (50 Marks) -20 Marks ٠
- Attendance-5 Marks ٠
- End-Term (100 Marks) 50 marks ٠

Total Assessment (Out of 100 Marks)

References-

Research and Publication Ethics, Dr Sumanta Dutta, Bharti Publications,2021 Research and Publication Ethics, Dr Santosh kumar Yadav, Anne Publications,2020



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| No. of Concession, Name of Con | Pre-Ph.D. Course Work | Programme Code | |
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| Course Code | RM-101 | Credit | 4 |
| Year/Sem | 1/1 | L-T-P | 4-0-0 |
| Course Name | Research Methodo | | 14:0-0 |
| using Scientific Metho UNIT I (Total Topics- 7 | with the Concept and Metho e about type of research, pr ds. and Hrs-12) | eparation of reports a | nd thesis, designing of Research |
| analytical, empirical & Research Designs, Scia research statement. | entific Research Process: (| tic research, social an | Objectives; Types of Research d legal research and traditional inal research methods; Various entification and formulation of |
| Measurement and scali | s. primary and secondary in ules; Data Processing: Edit ng: Measurement Scales, it Tools, Classification and | ing, Coding Organiza | of Primary and Secondary Data, tion and Presentation; Attitude Measurement, Techniques of erification and Validity) Scales, |
| UNIT- III (Total Topics- 5 Sampling, Sampling Meth of Sample Survey, Cens Sampling, Sampling and research analysis. | hods. Sampling Plans, Samp | ling Error, Sampling D ns. Objectives and Princept of Permutation, | Distributions: Theory and Design inciples of Sampling, Types of Combination & Probability for |
| | and Hes. 10) | medation T. L. | |
| in Writing Research Repo | orts. Limitations of RM: Frh | ics in Research Philos | of Interpretation. Precautions in ayout of Report and Precautions |
| Interpretations and Repo Interpretation. Significan in Writing Research Repo CO1. Acquire in-depth knowled CO2. Identify. formulate mowledge and analyze relevablems. | orts. Limitations of RM: Eth owledge of various fundamen- ige in carrying out research s and critically investigate evant data to reach certain of | ics in Research, Philos itals, theories and princ itudies in the area of in research problems onclusions in the form | ayout of Report and Precautions ophical Issues in Research. |

Tor 1



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Reference Books

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- 2. C. William Emory and Cooper R. Donald, "Business Research Methods", Boston, Irwin.
- 3. Fred N Kerlinger, "Foundations of Behavioural Research", New Delhi: Surject Publications.
- Naresh Malhotra, Marketing Research : An Applied Orientation, Pearson publication David Nachmias and ChavaNachmias, "Research Methods in the Social Sciences", New York: St. Marlia's Press.
- 5. Bhattacharya, D. K. (2004) Research Methodology. New Delhi, Excel Books.

Assessment Model:

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- Average of TWO Mid-Terms (50 Marks) -20 Marks
- Attendance-5 Marks
- End-Term (100 Marks) 50 marks

Total Assessment (Out of 100 Marks)



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Programme Code Pre-Ph.D. Course Programme Name Work 2 Credit **RPE-103** 2-0-0 Course Code L-T-P 1/1Research& Publication Ethics Year/Sem Course Name Its objectives to provide knowledge about ethics and code of research publication with concept of plagiarism. Objectives of the Course: 1. Introduction to philosophy: definition, nature and scope, concept, branches UNIT I (Total Topics- 2 and Hrs-8) 2. Ethics: definition, moral philosophy, nature of moral judgments and reactions UNIT II(Total Topics- 5 and Hrs- 5) 1. Ethics with respect to science and research 2. Intellectual honesty and research integrity 3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP) 4. Redundant publications: duplicate and overlapping publications, salami slicing 5. Selective reporting and misrepresentation of data UNIT- III (Total Topics-7 and Hrs-7) 1. Publication ethics: definition, introduction and importance 2. Best practices/ standards setting initiatives and guidelines: COPE, WAME, etc. 4. Publication misconduct: definition, concept, problems that lead to unethical behaviour and vice versa, types 5. Violation of publication ethics, authorship and contributorship 6. Identification of publication misconduct, complaints and appeals 7. Predatory publishers and journals UNIT- IV (Total Topics-4and Hrs-4) 2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies 4. Journal finder/ Journal suggestion tools viz. JANE, Elsevier Journal finder, Springer Journal Suggester, etc. CO1. Recognize the basics of philosophy of science & ethics, research integrity, publication ethics and CO2. Familiarize with important issues in research ethics, research integrity, scientific misconduct and CO3. Analyze the best practices for publications, publication ethics and identify the predatory publishers & CO4. Demonstrate &use plagiarism software tools, open-source software tools, citation databases and



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research metrics. CO5. Publish credible & scholarly publications in reputed peer-reviewed journals.

Assessment Model:

- Average of best four out of six Quizzes (25 Marks)-25 Marks ٠
- Average of TWO Mid-Terms (50 Marks) -20 Marks
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- End-Term (100 Marks) 50 marks

Total Assessment (Out of 100 Marks)

Research and Publication Ethics, Dr Sumanta Dutta, Bharti Publications, 2021 Research and Publication Ethics, Dr Santosh kumar Yadav, Anne Publications, 2020