

3.4.1: The Institution ensures implementation of its stated Code of Ethics for research through the following:

1. Inclusion of research ethics in the research methodology course work
 2. Presence of Ethics committee
 3. Plagiarism check through software
 4. Research Advisory Committee
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Contents & Summary

Sr. No.	Implementation of its stated Code of Ethics for research through	Checklist
1.	Code of Ethics for Research	Yes
2.	Syllabus of "Research and Publication Ethics" Course	Yes
3.	Syllabus of "Research Methodology" Course	Yes
4.	Research Advisory Committee	Yes
5.	Ethics committee	Yes
6.	Policy for Prevention of Plagiarism	Yes
7.	Software Used for Plagiarism Check (Turnitin)	Yes

Code of Ethics for Research

Preamble

Marwadi University promotes research that benefits the larger section of society and so all Institutes under the University are committed to research that focuses on people, organisations, and industry. To honour the trust placed in researchers by research participants, funding organisations and society, the researchers should at all times act correctly and in ways that respect the rights and dignity of the participants, organisations and industry. In this regard, all faculty members, staff, researchers, and students undertaking research are bound by the Code of Ethics for Research.

Objectives

- To provide the ethical framework within which the ethical review process will operate across campus.
- To promote exemplary ethical standards in research and scholarship

Scope

This document lays down the Code of Ethics for Research for all faculty members, staff, researchers, and students undertaking research and operationally controlled by Marwadi University. It covers all the activities through which research information and data are gathered, processed, and disseminated including surveys and interviews and the reporting of research findings.

The following are ethical principles that this codes address:

1. Academic Honesty

Be honest in all scientific communications. Honestly report data, results, methods and procedures, and publication status. Do not fabricate, falsify, or misrepresent data. Do not deceive colleagues, granting agencies, or the public.

2. Integrity

Keep your promises and agreements; act with sincerity and strive for consistency of thought and action. Integrity is to be ensured in order to cultivate and sustain a culture of research.

3. Carefulness

Avoid careless errors and negligence; carefully and critically examine your work and the work of your peers. Keep good records of research activities, such as data collection, research design, and correspondence with agencies or journals.

4. Intellectual Property

Honour patents, copyrights, and other forms of intellectual property. Do not use unpublished data, methods, or results without permission. Give credit where credit is due. Give proper acknowledgement or credit for all contributions to research. Never plagiarize.

5. Confidentiality

Protect confidential communications, such as papers or grants submitted for publication, personnel records, trade or military secrets, and patient records.

6. Social Responsibility

Strive to promote social good and prevent or mitigate social harms through research, public education, and advocacy.

7. Competence

Maintain and improve professional competence and expertise through lifelong education and learning; take steps to promote competence in science as a whole.

8. Legality

Know and obey governmental policies, relevant laws and institutional rules and regulations.

9. Animal Care

Show proper respect and care for animals when using them in research. Do not conduct unnecessary or poorly designed animal experiments.

10. Human Subjects Protection

When conducting research on human subjects, minimize harms and risks and maximize benefits; respect human dignity, privacy, and autonomy; take special precautions with vulnerable populations; and strive to distribute the benefits and burdens of research fairly.


Registrar
Marwadi University



Marwadi University
Ph.D. COURSEWORK



Subject code: 21PHD10102
Teaching Scheme
Contact Hours: 30 hours
Credits: 2

Subject: Research and Publication Ethics
Marking Scheme

End Semester Examination: 50 Marks

Type of course: Research Awareness

About:

This course has total 6 units focusing on basics of philosophy of science and ethics, research integrity, publication ethics. Hands-on-sessions are designed to identify research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools will be introduced in this course.

Objectives

- Understand basics of philosophy and ethics
- Learn basic scientific conduct
- Learn various software tools used in plagiarism checking
- Identify a good publisher and predatory publisher using SPPU.
- Find journal using suggested tools.

Course structure

Module	Content	Hours
Theory		
1	Philosophy and Ethics 1. Introduction to philosophy: definition, nature and scope, concept, branches 2. Ethics: definition, moral philosophy, nature of moral judgements and reactions	3
2	Scientific Conduct 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	5
3	Publication Ethics 1. Publication ethics: definition, introduction and importance 2. Best practices / standards setting initiatives and guidelines: COPE, WAME, etc. 3. Conflicts of interest 4. Publication misconduct: definition, concept, problems that lead to unethical behavior 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	7

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Practice		
4	Open Access Publishing 1. Open access publications and initiatives Report 2. SHERPA / RoMEO online resource to check publisher copyright & self-archiving policies 3. Software tool to identify predatory publications developed by SPPU 4. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.	4
5	Publication Misconduct A. Group Discussions (2 hrs) 1. Subject specific ethical issues, FFP, authorship 2. Conflicts of interest 3. Complaints and appeals: examples and fraud from India and abroad B. Software tools (2 hrs) Use of plagiarism software like Turnitin, Urkund and other open source software tools	4
6	Databases and Research Metrics A. Databases (4 hrs) 1. Indexing databases 2. Citation databases: Web of Science, Scopus, etc. B. Research Metrics (3 hrs) 1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score 2. Metrics: h-index, g index, i10 index, altmetrics	7
Total		30

References

- Bird, A. (2006). Philosophy of Science. Routledge.
- MacIntyre, Alasdair (1967) A Short History of Ethics. London.
- P. Chaddah, (2018) Ethics in Competitive Research: Do not get scooped; do not get plagiarized, ISBN: 978-9387480865
- National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition. National Academies Press.
- Resnik, D. B. (2011). What is ethics in research & why is it important. National Institute of Environmental
- Health Sciences, 1-10. Retrieved from <https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>
- Beall, J. (2012). Predatory publishers are corrupting open access. Nature, 489 (7415), 179-179. <https://doi.org/10.1038/489179a>
- Indian National Science Academy (INSA), Ethics in Science Education, Research and Governance (2019), ISBN: 978-81-939482-1-7. http://www.insaindia.res.in/pdf/Ethics_Book.pdf

J.P.



Marwadi University
Ph.D. COURSEWORK



Subject code: 16PH0101
Teaching Scheme
Contact Hours: 42 hours
Credits: 4

Subject: Research Methodology
Marking Scheme
Continuous Assessment: 50 Marks
End Semester Examination: 50 Marks

Type of course: Research

Prerequisite: Knowledge of access to referred journals;

The purpose of this subject is to orient the students to the scientific methodology of research and presenting their research. Research **constitutes** primarily, literature review, giving critical comments on the literature reviewed and identifying the gap, problem formulation, modelling in either an analytical or experimental set up, validating the model and solving the problem you set for yourself. Student should be able to present and defend the solution he/she has found, in a simple and easy manner.

Objectives

- Understand meaning and types of research, and approaches.
- Learn basic instrumentation and data collection methods
- Learn parameter estimation and related modelling methods
- Identify research problem along with its specification in terms of objectives, hypothesis, definitions, variables and delimitations.
- Design research proposal, devise and design an experimentation set-up.

Unit 1: Research Problem

Meaning of research problem, Research: Nature and characteristics, Types of research: Basic Applied and Action Research, Qualitative and Quantitative research - meaning and characteristics, Steps of research in qualitative & quantitative research, Criteria / Characteristics of a research problem. Errors in selecting a research problem, Scope and objectives of research problem. Quantitative: experimental, Survey, Developmental, co-relational, Historical. Qualitative Research: Case Study, Ethnography, Phenomenology. Mixed Methods: Concept, Importance, appropriateness and types. Ethical issues in research.

Unit 2: Literature survey

Overview – What is literature survey, Functions of literature survey, maintaining a notebook, developing a Bibliography.

Methods of data collection – Observation, survey, contact methods, experimental, determining sample design.

Searching for publications – Publication databases, search engines and patent databases.

Find some/all of the references for a given paper, including those that are not on the web.

Online tools – The on-line Computer Science bibliography, Survey papers, Finding material not on the web, Searching patents.



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Unit 3: Tools for research

Regression analysis, Parameter estimation, Multivariate statistics, Principal component analysis, Moments and response curve methods, State vector machines and uncertainty analysis.

Probability sampling, Non probability sampling, Sampling in qualitative research, Characteristics of tools: Reliability, Validity and Usability.

Questionnaire, Interview, observation, checklist, rating scale, sociometric techniques, standardized tests.

Unit 4: Developing a Research Proposal

Format of research proposal, Individual research proposal, Institutional proposal, Proposal of a student – a presentation and assessment by a review committee.

Concept and various steps of research proposal

Research Report: Structure and Content Mechanics of Reporting Quantitative and Qualitative Research Format, Language, Style, Bibliography/Referencing, Appendix, Variation in the scheme of Reporting

Reference Books:

1. 'Research methodology: an introduction for science & engineering students', by Stuart Melville and Wayne Goddard
2. 'Research Methodology: An Introduction' by Wayne Goddard and Stuart Melville
3. 'Research Methodology: A Step by Step Guide for Beginners', by Ranjit Kumar, 2nd Edition
4. 'Research Methodology: Methods and Trends', by Dr. C. R. Kothari



A handwritten signature in blue ink, appearing to be 'Sja', is written to the right of the university logo.

Syllabus for Course work subject of Ph.D.
Subject Name: Research Methodology (16PH0102)

Objectives :

1. Aims to familiarise the students the Basics of Research Methodology, especially Legal Research Methodology.
2. Aims to accustom the students the Research Methods, especially Legal Research Methods.
3. Aims to empower the students to conduct legal research in scientific manner.

Credits	Theory Marks		Total Marks
	End Sem Exam	Continuous Evaluation	
4	50	50	100

Sr. No.	Syllabus - Theory
1	<p>Nature of Research – An Introduction</p> <p>a) Foundations of Research</p> <ul style="list-style-type: none"> • Meaning • Objectives • Motivation • Utility. • Concept of theory • empiricism • deductive and inductive theory • Characteristics of scientific method • Concept • Construct • Definition • Variable <p>b) Relevance of Legal Research?</p> <ul style="list-style-type: none"> • Objective of Legal Research. • Need for Legal Research and Importance of inter-disciplinary approach. • Significance of Legal Research in India. • Legal Research as a profession in India. <p>c) Types of Research</p> <ul style="list-style-type: none"> • Doctrinal or Traditional Research. • Non-doctrinal or Empirical Research. • Descriptive and Analytical Research. • Applied and Fundamental Research. • Qualitative and Quantitative Research. • Law Reform Research. • Historical Research. • Sociological Research.
2	<p>Legal research processes</p>




	<ul style="list-style-type: none"> • Identification of Research Problems. • Review of Literature. • Selection of a Research Problem • Formulation of a Hypothesis. • Research Design. • Hypothesis.
3	Methods of Investigation and tools for collection of data in legal research
	<p>a) Primary Data method.</p> <ul style="list-style-type: none"> • Experimental and Participatory/ Scientific Method. • Case Study Method. • Survey Method. • Discussion Method. • Observation Method. • Interview Method. • Mail Survey Method. • Questionnaire (Open ended and Close ended) • Pilot Study Method. <p>b) Secondary Data Method.</p> <ul style="list-style-type: none"> • Case Law Method. • Cumulative Record Cards.
4	Tabulation and Evaluation of Data
5	Sampling in legal research
	<p>a) Advantages and Limitations of Sampling</p> <p>b) Theoretical basis of Sampling</p> <ul style="list-style-type: none"> • Probability and Non- probability Sampling <p>c) Classifications of sampling</p> <ul style="list-style-type: none"> • Simple Random Sampling • Stratified Sampling • Cluster Sampling • Systematic Sampling • Non- random sampling • Purposive Sampling • Convenience Sampling • Judgment Sampling <p>d) Sampling and Non- sampling Error.</p>
6	Analysis and Interpretation of Data in legal research
	<ul style="list-style-type: none"> • Application of Content Analysis in Legal Research • Analysis of aggregate Data • Data Interpretation • Legal input Analysis, the ideal and the practicable • Data Processing- Summarizing of data, Codification and Tabulation • Writing a Research Report- Types, Contents and steps involved in drafting of a Report
7	Scientific Tools in legal research




- Introduction
- Jurimetrics
- Use of SPSS and other packages
- Avoiding/Detecting plagiarism
- Writing the research report/Bibliography/Presentation styles

Knowledge Resources

1. Agrawal, Shipra. *Legal Research Methodology*. 1st Edn. Faridabad. Sri Sai Law Publications. 2008.
2. Agnihotri, Vidyadhar. *Techniques of Social Research*. New Delhi: M.N. Publishers.
3. 1980.
4. Agrawal, K.B. Problems of Legal Research in India: A Brief Survey. *Indian J. Legal Studies* I. 1980.
5. Allen. T. Harrell. *New Methods in Social Sciences Research: Policy Sciences and Future Research*. New York: Praeger, 1978.
6. Baxi, Upendra. *Socio-Legal Research in India: A Programschrift*. New Delhi: Indian Council of Social Science Research, 1975.
7. Black. James A. and Dean J. Champion. *Methods and Issues in Social Research*. New York: John Wiley. 1976.
8. Wilkinson, T. S. and Bhandarkar, P. L. *Methodology and Techniques of Social Research*. Ed. 4. Bombay, Himalaya Publishing House, 1990.

Details of End Semester Examination methods & rubrics

1. Theory Exam – Maximum Marks = 100
(that is converted into half to reflect the same Out of 50 in the Final Mark sheet)
2. Questions in the Exam are of Compulsory as well as Optional Nature, reflective of all the topics as per the Curriculum Syllabus.

Details of Continuous Evaluation methods & rubrics

1. Research Project / Viva – Maximum Marks = 50.
2. This includes
 - a. Synopsis of the Project = 10 Marks
 - b. The Main Project = 20 Marks
 - c. Project Presentation to the External Examiner = 10 Marks
 - d. Viva-Voce by the External Examiner = 10 Marks

Special Note:

Number of Lectures to cover all Topics of the Curriculum Syllabus = 48 Lectures of One Hour Each





Research Advisory Committee

In observance with its Purpose, Vision & Mission, Marwadi University (MU) expects that R & D conducted in its name should be of the highest standards and promotes interdisciplinary and cutting-edge research activities for solving scientific and social problems. Research Advisory Committee has been constituted to ensure smooth functioning to carry out the research activities.

1. Objectives

The envisioned research policy has the following objectives which provide a broad framework and an overview of the MU's substantial aims.

- To develop, create and promote sustainable research culture among the faculty and staff of MU
- To identify challenging research areas and promoting interdepartmental and translational R & D activities
- To encourage and organize workshops/seminars/conferences on novel research topics and training programs in diverse research fields
- To warrant the quality, integrity and ethics in research accomplishments
- To enable the exchange of views in regard to recent advancements in numerous research fields through organizing leadership talks, annual/periodic compilation of works/abstracts/papers presented by the staff and students in national/international events
- To provide guidelines for the use of technology in faculty research with proper security and protection to research data
- To inspire faculty and staff with incentives towards research activities and establishing a dedicated group
- To facilitate, coordinate and integrate research outputs from various departments, assuring them with needed support to conduct R & D and publish scholarly papers, articles and books
- To provide guidelines regarding the Code of Practice for Research
- To serve as a facilitator for Interdisciplinary-Integrative research approaches with Industry-Academia & National-International research networks set-up

- To provide Faculty Development Allowances and promote professional guidance, technical support, and financial assists

2. Research Advisory Committee

The Research Advisory Committee (RAC) is to be established to monitor activities carried out as per research and development policy. In addition to this, Research Advisory Committee will suggest amendments in the existing R & D policies from time to time.

i. Constitution

The RAC comprises of the following members.

1. Provost – Chairman
2. Deans and Principals of Faculties
3. Provost Nominee

ii. Roles and Responsibilities

1. Research Status: -

- Develop and enhance the institute's research capabilities.

This committee will get the documentation from department about the present status of the departmental facility. They will summaries the capabilities. It will also help in developing R&D relations with outside world. Documentation includes:

- Department laboratory capability
- List of important equipment

2. Research Planning:

- Formulate and adhere to policies to protect and commercialize the institute's intellectual property.
- The committee will plan the research activities, prepare the overall budget, suggest synchronization, and plan collaborative research work.



- a) Laboratory (facilities)
- b) Research Proposal
- c) Research Budget

3. Research Promotion:

- a) Develop infrastructure and awareness to improve the quality of the institute's research.
 - a. Encourage departmental Faculty and students to carry out quality research
 - b. Educate faculty and students member regarding improvements in research policies from time to time.

4. Research Review:

- Review the bi-annually research progress reports presented to it by the Departmental Research Committee and offer critical comments and suggest corrective measures.
- Research Committee will carry out review of research work.

iii. Frequency of meeting

The RAC will meet at least once in a semester to review research progress and formalize strategies to enhance the research activities of the university.





Marwadi
University

ETHICS COMMITTEE, MARWADI UNIVERSITY

(ECR/356/Indt/GJ/2022)

Dr. Kamalsinh Dodiya
Chairperson

Dr. Ashish Kakkad
Member Secretary

STANDARD OPERATING PROCEDURE (SOP)

Complete Name of the Ethics Committee	Ethics Committee, Marwadi University
Complete address of the Ethics Committee	Rajkot-Morbi Road, Rajkot 360 003 Gujarat, India
Frequency of Ethics Committee Meeting	As per the requirement usually 2 in a year
Date of Next immediate Ethics Committee meeting	As decided by the Chairperson/Member Secretary
Lead time required by the Ethics Committee before which they discuss documents submitted to them	15 days
Complete home and contact number of Ethics Committee member whose details will appear on the informed consent form	As applicable



➤ **Objective:**

Ethics Committee is intended to ensure a competent review of scientific and ethical aspects of the project proposal received.

➤ **Role:**

The Ethics Committee will review and approve all types of research proposals involving human participants with a view to safeguard the dignity, right, safety and wellbeing of all actual and potential research participants. The goals of research, however important, would never be permitted to override the health and wellbeing of the research subjects.

The Ethics Committee will take care that all the cardinal principles of research viz. Autonomy, Beneficence, Non-maleficence and justice are taken care of in planning, conduct and reporting of the proposed research. For this purpose, the Ethics Committee. will look into the aspects of informed consent process, risk benefit ratio whenever required. The Ethics committee will review the proposals before start of the study as well as monitor the research throughout the study until and after completion of the study. The Institutional Ethics Committee will also examine compliance with all regulatory requirement, applicable guidelines and laws.

➤ **Composition:**

The Ethics Committee will comprise of 8 members (to allow a quorum of at least 5 members at each review meeting as per Indian Council of Medical Research (ICMR) guidelines and schedule 'Y' in order to provide collective expertise ensuring a comprehensive review (scientific and ethical) of the projects submitted to it.

The Chairperson of the Ethics Committee would be from outside the institution and not head of the same institution to maintain the independence of the committee. The member secretary would generally, belong to the same institution and would conduct the business of the committee. The members including the member secretary will be nominated & appointed by the Dean & Institutional Head in office who would be a mix of medical, non-medical scientific and non-scientific persons including lay public to reflect differed viewpoints.

The members may be replaced at the discretion of the committee members when a majority vote is obtained.

➤ **Removal procedure:**



A member may be relieved of his/her membership in case of a conduct unbecoming for a member of the Ethics Committee or inability to participate in the meetings on any ground.

➤ **Responsibility:**

The Ethics Committee is setup to ensure that the clinical research as well as intramural studies that are carried out at Marwadi University.

- A resound in scientific design, have statistical validity and are conducted according to the parameters of INTERNATIONAL COUNCIL FOR HARMONISATION (ICH)- GUIDELINE FOR GOOD CLINICAL PRACTICE (GCP) as well as local regulatory requirements.
- Do not compromise the safety, rights and wellbeing of the patients/clients participating in the research study.
- Are conducted under the supervision of medical persons with the required experience / expertise.
- Include safely, patients who, through their legally acceptable representative have given informed consent for participation in the research study.

All members should maintain in absolute confidentiality of all discussions during the meeting. They have no rights to participate if they are principal investigator.

The member secretary / designee / Ethics Committee coordinator will record the minutes during each meeting

Correspondence between the Ethics Committee and the principal investigator / study team and other relevant records (response letter, minutes of meetings, membership list composition etc.) will be retained for minimum period of 3 years after completion of the trial.

The Ethics Committee will review all research projects and also the ongoing research projects at intervals appropriate to the degree of risk to the study subjects.

The committee will maintain a list of projects submitted, approved / disapproved and the outcome of each project including subject in formation, relevant correspondence and all study related documents.

The Ethics Committee expects from the principal investigator to be informed about:

- a) The initiation of the study/randomization of the first patient,***
- b) The progress of the study at interval of every three months,***



[If period of the study is short, at the interval of every one month],

- c) Any Serious Adverse Events occurring in the course of the study within 1-2 calendar day/s of their occurring.*
- d) Any changes in the protocol and patient information /informed consent documents, prior to their implementation.*
- e) Amendments/revisions to any study-related document as well as patient safety related information*
- f) Study completion and discontinuation with reasons*
- g) Justification for approval to restart studies discontinued earlier. The final report of the study shall be submitted to the Ethics Committee in all cases, even when the study abandoned for any reason (s).*

➤ **Eligibility:**

The Applicant may be UG student, PG student, Ph.D. scholar, Clinician, Scientist, Faculty, Independent individual researcher or organization.

➤ **Fees:**

The Applicant is entitled to pay the fees as per norms from time to time.

➤ **Procedure:**

The applicant of the proposal generally the principal investigator is required to submit his/her application letter and 12 copies of the following documents, 15 days before a scheduled meeting:

- A letter of intent or proposal by the Investigator [1 copy only]
- Research protocol.
- Protocol Amendment, if any.
- Investigator's Brochure.
- Case Report Form
- Informed consent form [English]
- Informed consent form [Gujarati].
- Informed consent form [Hindi].
- Safety Reports where applicable
- DCGI - (Drug Controller General of India) Approval Letter [1 copy] where applicable
- Insurance Policy [1 copy] where applicable



- Import license, where applicable [1 copy]
- Investigator's undertaking [1 copy]
- The fees for the consideration of the protocol/clinical study in question will be as applicable

The Ethics Committee will meet as and when required. Advance notice, 07 days before each meeting will be sent out to the members along with the agenda.

The requisite quorum of 5 members is required to be present at each review meeting.

Decisions will be made only in meetings where quorum is complete.

All nominated members including the member secretary have the right to vote.

It is preferable that at least one of the Ethics Committee members who are not affiliated to the Institute be present during each review meeting as per Schedule-Y.

The Member secretary, designated by the Chairperson, will record the Minutes of the meeting and circulate the same to the members within two weeks of the meeting.

The Investigator/Co-investigator is called to the meeting to present the study or answer specific queries. However, he / she will not participate in the decision making / voting process of that study even if he / she is a regular member of the Ethics Committee.

A Study Team member including the Principal Investigator will be deemed an interested party with regard to the review.

The Study Team Member's non participation in the decision making / voting process will be recorded in the response letter from the EC.

The Ethics Committee may call upon subject experts as independent consultants who may provide special review of selected research protocols, if need be. These experts may be specialists in ethical or legal aspects, specific diseases or methodologies, or represent specific communities; patient groups or special interest groups e.g., Cancer patients, HIV/AIDS positive person or ethnic minorities. They are required to give their specialized views but do not take part in the decision-making process which will be made by the members of the Ethics Committee.



The decision of the committee will take by a majority vote after the quorum requirements are fulfilled to recommend / reject / suggest modifications for a repeat review or advise appropriate steps.

If subject experts are invited to offer their views, they will not take part in the voting process.

The Ethics Committee will give its opinion on the project in one of the following ways:

- Approval
- Disapproval

- Modification before Approval

- Discontinuation of a previously Approved project

In case an Ethics Committee revokes its approval accorded to a trial protocol, it must record the reasons for doing so and at once communicate such a decision to the Investigator.

In all cases, the study will be unambiguously identified by protocol title and number.

All documents reviewed will be listed in the response letter, which will also state the list of members present and date of the meeting at which the study was reviewed.

The member-secretary will convey the decision of the committee to the Principal Investigator in writing. The response letter will include the signature and date by the Ethics Committee member-secretary.

The decision letter must contain following information:

- Date and time of EC meeting

- Place of the meeting

- Names and designation of the Chairperson and members who attend the meeting.

- Title of the Research proposal

- Name of the Chief investigator



- List of documents (with date and version number wherever possible) reviewed by the Ethics Committee
- A clear Statement of the Decision Reached. Any advice (non-binding) by the Ethics Committee.
- In the case of Negative decision, reasons for not approving the proposal must be mentioned
- In the case of "approval" decision, the responsibilities of the chief investigator must be communicated:

Should an amendment to a study related document be administrative in nature and not involving study design or safety criteria, it may be provisionally approved in writing, by the Chairperson/member-secretary of the Ethics Committee without calling a full meeting.

The Chairperson/member-secretary will inform other members of the Ethics Committee of amendment and his / her decision during the subsequent regular meeting of the committee. The decision will be ratified and committed.



Marwadi University
Plagiarism and Academic Integrity Policy



1 PREAMBLE

The primary objective of the plagiarism and academic integrity policy in the university is to uphold academic integrity and honesty. The overall purpose of plagiarism and academic integrity policy is to encourage originality and creativity, promote fairness, maintain academic standards, and prevent legal issues.

Marwadi University with the recommendations of University Grants Commission (UGC), as per UGC Act, 1956, has mandated to coordinate and determine the standards of higher education; And whereas, assessment of academic and research work done leading to the partial fulfilment for the award of degrees at Masters and Research level, by a student or a faculty or a researcher or a staff, in the form of thesis, dissertation and publication of research papers, chapters in books, full-fledged books and any other similar work, reflects the extent to which elements of academic integrity and originality are observed in various relevant processes adopted by Higher Educational Institutions (HEIs). The definition of specific terms is as per the UGC circular about Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions dated 23rd July, 2018.

1.1 OBJECTIVES

- To create awareness about responsible conduct of research, thesis, dissertation, promotion of academic integrity and prevention of misconduct including plagiarism in academic writing among student, faculty, researcher, and staff.
- To establish institutional mechanism through education and training to facilitate responsible conduct of research, thesis, dissertation, promotion of academic integrity and deterrence from plagiarism.
- To develop systems to detect plagiarism and to set up mechanisms to prevent plagiarism and punish a student, faculty, researcher, or staff of Marwadi University committing the act of plagiarism.

2 AWARENESS PROGRAMS AND TRAININGS:

- (a) Marwadi University will instruct students, faculty, researcher and staff about proper attribution, seeking permission of the author wherever necessary, acknowledgement of source compatible with the needs and specificities of disciplines and in accordance with rules, international conventions and regulations governing the source.
- (b) Marwadi University will conduct sensitization seminars/ awareness programs every semester on responsible conduct of research, thesis, dissertation, promotion of academic integrity and ethics in education for students, faculty, researcher and staff.

(c) Marwadi University will:

- i. Include the cardinal principles of academic integrity in the curricula of Undergraduate (UG)/Postgraduate (PG)/Master's degree etc. as a compulsory course work/module.
- ii. Include elements of responsible conduct of research and publication ethics as a compulsory course work/module for Masters and Research Scholars.
- iii. Include elements of responsible conduct of research and publication ethics in Orientation and Refresher Courses organized for faculty and staff members of the MU.
- iv. Train student, faculty, researcher, and staff for using plagiarism detection tools and reference management tools.
- v. Establish facility equipped with modern technologies for detection of plagiarism.
- vi. Encourage student, faculty, researcher and staff to register on international researcher's Registry systems.

3 CURBING PLAGIARISM

3.1 GUIDELINES FOR TURNITIN REPORT CHECKING AND MARWADI UNIVERSITY BENCHMARKS

- A) All engaged in research work including student, faculty, researcher, and staff etc. will comply to the guidelines for plagiarism by Marwadi University.
- B) Every student submitting a thesis, dissertation, or any other such documents to the University shall submit an undertaking indicating that the document has been prepared by him or her and that the document is his/her original work and free of any plagiarism.
- C) The undertaking shall include the fact that the document has been duly checked through a Plagiarism detection tool approved by the Marwadi University i.e. Turnitin.
- D) Each supervisor shall submit a certificate indicating that the work done by the researcher under him / her is plagiarism free.
- E) While the document is uploaded, it should be ensured that it is not stored in the repository. The document to be uploaded is maintained in the appropriate class created.



- F) Marwadi University will submit to INFLIBNET soft copies of all Masters, Research program's dissertations and thesis within a month after the award of degrees for hosting in the digital repository under the "Shodh Ganga e-repository".
- G) Marwadi University will create Institutional Repository on institute website which shall include dissertation / thesis / paper / publication and other in-house publications.

3.2 PARAMETERS SET WHILE GENERATING THE SIMILARITY REPORT.

Deviation from these parameters will require due approval of respective Faculty Dean.

Sr no	Parameter	Value	Remark
1	Exclude Quotes	ON	Commonly used phrases will be excluded.
2	Exclude Bibliography	ON	Text given a proper reference will be excluded.
3	Exclude matches	<5 words	Continuous 5 words or more appearing in a sentence will be marked as plagiarised content.

NOTE:

- Similarity of <1% sources will be counted as plagiarism.
- Self-plagiarism will not be excluded.

4 LEVELS OF PLAGIARISM

Plagiarism would be quantified into following levels in ascending order of severity for the purpose of its definition:

- Level 0: Similarities upto 10% - Minor similarities, no penalty
- Level 1: Similarities above 10% to 40%
- Level 2: Similarities above 40% to 60%
- Level 3: Similarities above 60%



As per the set parameters, following benchmarks of Level 0 will be maintained in the University for any kind of publication:

- Publication similarity <10% can proceed for submission.
- NOTE: If the similarity is below 10% and from a single source, the similarity exceeds 4%, then the publication is not recommended.
- Publication similarity \geq 10%, Please revise the content and recheck (we don't recommend the paper to be submitted).

5 DETECTION/REPORTING/HANDLING OF PLAGIARISM

If any member of the academic community suspects with appropriate proof that a case of plagiarism has happened in any document, he or she shall report it to the Departmental Academic Integrity Panel (DAIP). Upon receipt of such a complaint or allegation the DAIP shall investigate the matter and submit its recommendations to the Institutional Academic Integrity Panel (IAIP) of the Marwadi University.

6 DEPARTMENTAL ACADEMIC INTEGRITY PANEL (DAIP)

- i. All Departments in Marwadi University shall notify a DAIP whose composition shall be as given below:
 - a. Chairman - Head of the Department
 - b. Member - Senior academician from outside the department, to be nominated by the Dean of Faculty.
 - c. Member - A person well versed with anti plagiarism tools, to be nominated by the Head of the Department. The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for the meetings shall be 2 out of 3 members (including Chairman).
- ii. The DAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff.
- iii. The DAIP shall have the power to assess the level of plagiarism and recommend penalty(ies) accordingly.
- iv. The DAIP after investigation shall submit its report with the recommendation on penalties to be imposed to the IAIP within a period of 45 days from the date of receipt of complaint / initiation of the proceedings.



7 INSTITUTIONAL ACADEMIC INTEGRITY PANEL (IAIP)

- i. Marwadi University IAIP composition is as given below:
 - a. Chairman – Dean Research.
 - b. Member - Senior Professor from the Department.
 - c. Member - One external member (outside Marwadi University) nominated by the provost
 - d. Member – Librarian who is conversant with the tool usage. The Chairman of DAIP and IAIP shall not be the same.
- ii. The IAIP shall consider the recommendations of DAIP.
- iii. The IAIP shall also investigate cases of plagiarism as per the provisions mentioned in these regulations.
- v. The IAIP shall have the power to review the recommendations of DAIP including penalties with due justification.
- vi. The IAIP shall send the report after investigation and the recommendation on penalties to be imposed to the provost within a period of 45 days from the date of receipt of recommendation of DAIP/ complaint / initiation of the proceedings.
- vii. The IAIP shall provide a copy of the report to the person(s) against whom inquiry report is submitted.

The tenure of the Committee members including Chairman shall be three years. The quorum for the meetings shall be 3 out of 4 members (including Chairman). The IAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff of Marwadi University.

8 PENALTIES

Penalties in the cases of plagiarism shall be imposed on students pursuing studies at the level of Masters and Research programs and on researcher, faculty & staff of the Marwadi University only after academic misconduct on the part of the individual has been established without doubt, when all avenues of appeal have been exhausted and individual in question has been provided enough opportunity to defend himself or herself in a fair or transparent manner.



8.1 PENALTIES IN CASE OF PLAGIARISM IN SUBMISSION OF THESIS AND DISSERTATIONS

Institutional Academic Integrity Panel (IAIP) shall impose penalty considering the severity of the Plagiarism.

- i. Level 0: Similarities upto 10% - Minor Similarities, no penalty.
- ii. Level 1: Similarities above 10% to 40% - Such student shall be asked to submit a revised script within a stipulated time period not exceeding 6 months.
- iii. Level 2: Similarities above 40% to 60% - Such student shall be debarred from submitting a revised script for a period of one year.
- iv. Level 3: Similarities above 60% -Such student registration for that programme shall be cancelled.

Note 1: Penalty on repeated plagiarism- Such student shall be punished for the plagiarism of one level higher than the previous level committed by him/her. In case where plagiarism of highest level is committed then the punishment for the same shall be operative.

Note 2: Penalty in case where the degree/credit has already been obtained - If plagiarism is proved on a date later than the date of award of degree or credit as the case may be then his/her degree or credit shall be put in abeyance for a period recommended by the IAIP and approved by the Head of the Institution.

8.2 PENALTIES IN CASE OF PLAGIARISM IN ACADEMIC AND RESEARCH PUBLICATIONS

I. Level 0: Similarities up to 10% - Minor similarities, no penalty.

II. Level 1: Similarities above 10% to 40%

- i) Shall be asked to withdraw manuscript.

III. Level 2: Similarities above 40% to 60%

- i) Shall be asked to withdraw manuscript.
- ii) Shall be denied a right to one annual increment.
- iii) Shall not be allowed to be a supervisor to any new Master's, M.Phil., Ph.D. Student/scholar for a period of two years.

IV. Level 3: Similarities above 60%

- i) Shall be asked to withdraw manuscript.



- ii) Shall be denied a right to two successive annual increments.
- iii) Shall not be allowed to be a supervisor to any new Master's, M.Phil., Ph.D. Student/scholar for a period of three years.

Note 1: Penalty on repeated plagiarism - Shall be asked to withdraw manuscript and shall be punished for the plagiarism of one level higher than the lower level committed by him/her. In case where plagiarism of highest level is committed then the punishment for the same shall be operative. In case level 3 offence is repeated then the disciplinary action including suspension/termination as per service rules shall be taken by the University.

Note 2: Penalty in case where the benefit or credit has already been obtained - If plagiarism is proved on a date later than the date of benefit or credit obtained as the case may be then his/her benefit or credit shall be put in abeyance for a period recommended by IAIP and approved by the Provost.

Note 3: MU will create a mechanism so as to ensure that each of the paper publication/thesis/dissertation by the student, faculty, researcher or staff of the University is checked for plagiarism at the time of forwarding/submission.

Note 4: If there is any complaint of plagiarism against the Provost, a suitable action, in line with these regulations, shall be taken by the Controlling Authority of the Marwadi University.

Note 5: If there is any complaint of plagiarism against the Head of Department/Authorities at the institutional level, a suitable action, in line with these regulations, shall be recommended by the IAIP and approved by the Competent Authority.

Note 6: If there is any complaint of plagiarism against any member of DAIP or IAIP, then such member shall excuse himself / herself from the meeting(s) where his/her case is being discussed/investigated.

9 GRIEVANCE REDRESSAL

Removal of Difficulty UGC reserves the right to remove difficulty/difficulties in the course of implementations of these Regulations in consultation with the Government of India/ Ministry of Human Resource Development. In any case of the grievance, redressal will take place as per the norms of Marwadi University grievance redressal policy.



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115687	Marwadi University		0	115687	Marwadi University	1/2/2018	0	0	0	0	0	0	0	0	0	0
115687	Marwadi University		0	115687	Marwadi University	1/3/2018	0	0	0	0	0	0	0	0	0	0
115687	Marwadi University		0	115687	Marwadi University	1/4/2018	0	1	0	0	0	0	0	0	0	0
115687	Marwadi University		Account	115687	Marwadi University	1/5/2018		5	3	233	233	0	82	107	33	11
115687	Marwadi University		Account	115687	Marwadi University	1/6/2018		2	2	19	19	0	9	8	2	0
115687	Marwadi University		Account	115687	Marwadi University	1/7/2018		2	2	19	19	1	11	4	1	2
115687	Marwadi University		Account	115687	Marwadi University	1/8/2018		1	1	8	174	0	53	52	17	52
115687	Marwadi University		Account	115687	Marwadi University	1/9/2018		3	3	23	23	0	11	7	4	1
115687	Marwadi University		Account	115687	Marwadi University	1/10/2018		2	2	24	24	1	15	3	2	3
115687	Marwadi University		Account	115687	Marwadi University	1/11/2018		1	1	8	8	0	3	3	2	0
115687	Marwadi University		Account	115687	Marwadi University	1/12/2018		2	2	16	16	1	10	4	1	0
								19	16	350	516	3	194	188	62	69

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115687	Marwadi University		Account	115687	Marwadi University	1/1/2019		2	2	13	13	0	4	4	3	2
115687	Marwadi University		Account	115687	Marwadi University	1/2/2019		1	1	13	13	0	9	3	0	1
115687	Marwadi University		Account	115687	Marwadi University	1/3/2019		5	4	73	73	2	34	22	9	6
115687	Marwadi University		Account	115687	Marwadi University	1/4/2019		2	2	9	9	0	4	3	1	1
115687	Marwadi University		Account	115687	Marwadi University	1/5/2019		7	3	167	170	4	102	44	12	8
115687	Marwadi University		Account	115687	Marwadi University	1/6/2019		5	3	43	43	1	25	12	5	0
115687	Marwadi University		Account	115687	Marwadi University	1/7/2019		3	3	185	182	2	53	62	48	17
115687	Marwadi University		Account	115687	Marwadi University	1/8/2019		5	5	23	23	0	11	7	2	3
115687	Marwadi University		Account	115687	Marwadi University	1/9/2019		4	4	65	65	1	26	21	13	4
115687	Marwadi University		Account	115687	Marwadi University	1/10/2019		3	3	45	45	1	30	6	5	3
115687	Marwadi University		Account	115687	Marwadi University	1/11/2019		5	5	69	69	1	42	19	4	3
115687	Marwadi University		Account	115687	Marwadi University	1/12/2019		2	2	47	47	4	26	5	9	3
										752	752	16	366	208	111	51

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115687	Marwadi University		Account	115687	Marwadi University	1/1/2020		6	5	64	64	0	43	10	9	2
115687	Marwadi University		Account	115687	Marwadi University	1/2/2020		2	2	24	24	1	13	7	3	0
115687	Marwadi University		Account	115687	Marwadi University	1/3/2020		4	4	64	64	3	23	26	12	0
115687	Marwadi University		Account	115687	Marwadi University	1/4/2020		8	5	315	316	7	140	138	29	2
115687	Marwadi University		Account	115687	Marwadi University	1/5/2020		7	4	66	66	0	33	27	6	0
115687	Marwadi University		Account	115687	Marwadi University	1/6/2020		5	4	60	60	4	30	11	12	3
115687	Marwadi University		Account	115687	Marwadi University	1/7/2020		2	2	9	11	0	5	4	2	0
115687	Marwadi University	0		115687	Marwadi University	1/8/2020	0	0	0	0	0	0	0	0	0	0
115687	Marwadi University	0		115687	Marwadi University	1/9/2020	0	0	0	0	0	0	0	0	0	0
115687	Marwadi University	0		115687	Marwadi University	1/10/2020	0	0	0	0	0	0	0	0	0	0
115687	Marwadi University	0		115687	Marwadi University	1/11/2020	0	0	0	0	0	0	0	0	0	0
115687	Marwadi University		Account	115687	Marwadi University	1/12/2020		3	3	12	45	8	13	9	9	6
										614	650	23	300	232	82	13

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115687	Marwadi University		Account	115687	Marwadi University	1/1/2021		3	3	31	31	1	18	7	2	3
115687	Marwadi University		Account	115687	Marwadi University	1/2/2021		3	3	22	22	2	17	3	0	0
115687	Marwadi University		Account	115687	Marwadi University	1/3/2021		4	4	21	21	1	12	4	3	1
115687	Marwadi University		Account	115687	Marwadi University	1/4/2021		7	5	354	352	3	26	40	77	206
115687	Marwadi University		Account	115687	Marwadi University	1/5/2021		10	6	698	700	2	175	304	171	48
115687	Marwadi University		Account	115687	Marwadi University	1/6/2021		9	5	397	396	3	119	148	77	49
115687	Marwadi University		Account	115687	Marwadi University	1/7/2021		8	5	182	181	4	54	71	40	12
115687	Marwadi University		Account	115687	Marwadi University	1/8/2021		5	3	31	31	0	29	2	0	0
115687	Marwadi University		Account	115687	Marwadi University	1/9/2021		6	4	253	253	0	77	95	63	18
115687	Marwadi University		Account	115687	Marwadi University	1/10/2021		4	2	257	257	2	73	116	45	21
115687	Marwadi University		Account	115687	Marwadi University	1/11/2021		7	6	563	563	5	97	214	148	99
115687	Marwadi University		Account	115687	Marwadi University	1/12/2021		5	5	54	54	0	31	20	2	1
										2863	2861	23	728	1024	628	458



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115687	Marwadi University		Account	115687	Marwadi University	1/1/2022		4	4	99	99	4	58	26	8	3
115687	Marwadi University		Account	115687	Marwadi University	1/2/2022		6	5	83	84	2	52	24	4	2
115687	Marwadi University		Account	115687	Marwadi University	1/3/2022		8	6	321	321	12	92	156	43	18
115687	Marwadi University		Account	115687	Marwadi University	1/4/2022		8	6	1012	1057	29	433	432	115	48
115687	Marwadi University		Account	115687	Marwadi University	1/5/2022		8	4	179	178	7	101	48	14	8
115687	Marwadi University		Account	115687	Marwadi University	1/6/2022		10	6	394	394	5	148	165	58	18
115687	Marwadi University		Account	115687	Marwadi University	1/7/2022		10	6	253	254	6	136	83	24	5
115687	Marwadi University		Account	115687	Marwadi University	1/8/2022		11	7	728	723	23	397	224	64	15
115687	Marwadi University		Account	115687	Marwadi University	1/9/2022		8	5	708	708	7	337	258	94	12
115687	Marwadi University		Account	115687	Marwadi University	1/10/2022		5	5	153	153	0	136	11	2	4
115687	Marwadi University		Account	115687	Marwadi University	1/11/2022		13	6	184	184	2	91	49	22	20
115687	Marwadi University		Account	115687	Marwadi University	1/12/2022		8	6	119	118	1	85	20	11	1
										4233	4273	98	2066	1496	459	154

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by Sunil Lavadiya

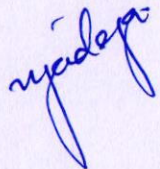
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Publication 1%
- 2 Sunil P. Lavadiya, Shobhit K. Patel, Rayisyan Maria. "High gain and frequency reconfigurable copper and liquid metamaterial tooth based microstrip patch antenna", *AEU - International Journal of Electronics and Communications*, 2021
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- 3 K.Sumathi, Sunil Lavadiya, PengZhi Yin, Juveriya Parmar, Shobhit K. Patel. "High gain multiband and frequency reconfigurable metamaterial superstrate microstrip patch antenna for C/X/Ku-band wireless network applications", *Wireless Networks*, 2021 1%

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Broadband Metasurface Solar absorber

by Shreyas Charola

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Abstract

The work presented in this thesis channel through the study and numerical design investigation of different metasurface structural designs and configurations for potential electromagnetic wave absorption ranging from IR to visible region of the light spectrum. The design and performance investigation of the proposed metasurface structures included full-wave electromagnetic simulation and extracting the absorption and reflection profile of the structures.

The initial design explored in this research is a C-shaped metallization structure, which is model on a Graphene monolayer sheet that is integrate over silicon dioxide layer to enhance the bandwidth of absorption spectra profile of the metasurface structure in the visible region from 430 THz to 770 THz. The simulation results showed more than 84 % absorption of the electromagnetic waves in the visible spectrum. It have observe that designing a metasurface using tungsten material and placing it above a graphene sheet with bottom layer again made up of tungsten material helps in improving the absorption of the incident electromagnetic radiation. Further, the shape of the top layer metallization also plays an important role improving the absorption efficiency of the metamaterial design. In this connection, the initial design of the metasurface have modify into periodic arrangement of C-shaped metallization based on rectangular strip pattern of the graphene. In this case, not only the absorption spectrum have broaden ranging from IR, visible region, and ultraviolet region, but an increase in the absorption efficiency have seen up to 86.5 %. The optimization of the C-shaped structure using rectangular saw-tooth pattern on the outer and inner edge helped in further increasing the absorption efficiency to 91.8 % in the near infrared region.

The change in the metallization pattern from C-shape to L-shape and use of standard dielectric layer instead of graphene reveals that graphene is not the only candidate in designing optimal metasurface absorber. The change in the metallization pattern also have significant contribution towards higher absorption of the electromagnetic radiation. Here, an average absorption efficiency of 92.2 % have seen in the simulation results. Lastly, shape extrusion method for the top layer metallization of the metasurface absorber structure have adopted to study its effect on the absorption performance of the metasurface. It have found that shapes like pyramid, square could be potentially used over a standard dielectric substrates like silicon dioxide, silicon nitride and gallium



Broadband Metasurface Solar absorber

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Juveriya Parmar, Shobhit K. Patel, Devang Kartodiya, Truong Khang Nguyen, Julia S. Skibina, Vigneswaran Dhasarathan. "Numerical investigation of gold metasurface based broadband near-infrared and near-visible solar absorber", *Physica B: Condensed Matter*, 2020

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	Total	INR 500,645.21

USD\$: 6,747.24 = INR 500,645.21

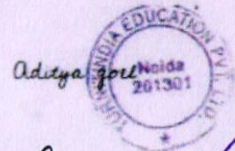
Exchange Rate US \$1.00 = INR 74.20

SAC code 998439

Please refer to the quote and/or proforma invoice for details of quantity and descriptions of services provided.

Invoice is system generated and thus does not need a signature

Make your cheque payable to: TurnitIndia Education Private Limited



Aditya
 Registrar
 Marwadi University



Remit Cheque Payment to:	TurnitIndia Education Pvt. Ltd. Max Towers, 16th Floor Spaces Suites #1603-05, 1608, 1610 Sector 16-B, NOIDA - 201301 Uttar Pradesh, India
Wire Instructions:	1) BENEFICIARY BANK: Citibank N.A. BENEFICIARY COMPANY: TurnitIndia Education Private Limited BENEFICIARY COMPANY'S ACCOUNT #: 0714093002 BENEFICIARY BANK BRANCH IFSC CODE: CITI0000002 BENEFICIARY BANK BRANCH MICR CODE: 110037002 BENEFICIARY BANK SWIFT CODE: CITIINBX 2) Request that your originating bank reference your invoice number. If you do not have an invoice number, please request that your originating bank reference the name of your institution and your location. 3) Email ar@turnitin.com with the confirmation that the transaction has been completed



Marwadi University
Rajkot



Turnitin India Private Limited
 (formerly known as "TurnitIndia Education Private Limited")
 16th & 17th Floor, Max Towers
 Sector 16B, Noida
 Uttar Pradesh, 201301
 India
 1-510-764-7600
 GSTIN: 09AAGCT1132P1Z1
 PAN: AAGCT1132P

Date: Dec 21, 2021
 Invoice No.: IND12002116
 Purchase Order No.: Signed Quote
 Sales Order No.: SO969627
 Due Date: Jan 05, 2022
 Payment Terms: Net 15
 Service Start: Dec 28, 2021
 Service End: Dec 27, 2022

TAX INVOICE

Bill To	Billing Contact	Account Manager
GSTIN 24AACTM2114K1ZV Marwadi University Rajkot-Morbi Highway Road, Gauridad Rajkot, Gujarat 360003 India Our Ref: CN-401554 115687	Kaushik Rao e: kaushik.rao@marwadieducation.edu.in	Amit Pal e: apal@turnitin.com f: 1-510-764-7612

Product Name	Product Description	Amount
Feedback Studio Growth License	Turnitin Feedback Studio: Originality Checking and Feedback	INR 459,306.00
	Subtotal	INR 459,306.00
	CGST - 0%	INR 0.00
	SGST - 0%	INR 0.00
	IGST - IN 18%	INR 82,675.08
	UTGST - 0%	INR 0.00
	Total	INR 541,981.08

USD\$: 7,084.72 = INR 541,981.08

Exchange Rate US \$1.00 = INR 76.50

SAC code 998439

Please refer to the quote and/or proforma invoice for details of quantity and descriptions of services provided.

Invoice is system generated and thus does not need a signature

Make your cheque payable to: Turnitin India Private Limited

Remit Cheque Payment to:	Turnitin India Private Limited (formerly known as "TurnitIndia Education Private Limited") 16th & 17th Floor, Max Towers Sector 16B, Noida Uttar Pradesh, 201301 India
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Madhya
 Registrar
 Marwadi University





Universitas Pendidikan Indonesia
Jalan Setiabudi No. 221
Depok, Jawa Barat 16129
Telp. (021) 7500100



Turnitin India Private Limited
(formerly known as "TurnitinIndia Education Private Limited")
16th & 17th Floor, Max Towers
Sector 16B, Noida
Uttar Pradesh, 201301
India
1-510-764-7600
GSTIN: 09AAGCT1132P1Z1

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Service Start: Dec 28, 2021
Service End: Dec 27, 2022

Wire Instructions:	<p>1) BENEFICIARY BANK: Citibank N.A. BENEFICIARY COMPANY: Turnitin India Private Limited BENEFICIARY COMPANY'S ACCOUNT #: 0714093002 BENEFICIARY BANK BRANCH IFSC CODE: CITI00000002 BENEFICIARY BANK BRANCH MICR CODE: 110037002 BENEFICIARY BANK SWIFT CODE: CITIINBX</p> <p>2) Request that your originating bank reference your invoice number. If you do not have an invoice number, please request that your originating bank reference the name of your institution and your location.</p> <p>3) Email ar@turnitin.com with the confirmation that the transaction has been completed</p>
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1-510-764-7600
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Product Name	Product Description	Amount
Feedback Studio Growth License	Turnitin Feedback Studio: Originality Checking and Feedback	INR 459,306.00
	Subtotal	INR 459,306.00
	CGST - 0%	INR 0.00
	SGST - 0%	INR 0.00
	IGST - IN 18%	INR 82,675.08
	UTGST - 0%	INR 0.00
	Total	INR 541,981.08

USD\$: 7,084.72 = INR 541,981.08

Exchange Rate US \$1.00 = INR 76.50

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