Research Methodology

CODE: RES 701

Unit 1: Introduction to Research

Introduction, Philosophical Underpinnings, Meaning of Research, Objectives of Research, Motivations in Research, Types of Research, Research Approaches, Significance of Research, Scope of Research, Literature Review, Research Methods vs. Research Methodology, Research Process, Research and Scientific Methods, Criteria of Good Research, Research Questions, Research problem, Selecting the Problem, Necessity and Techniques of Research Problem, Qualitative & Quantitative Research, Research Proposal, Synopsis, Transdisciplinarity, Multidisciplinarity & Interdisciplinarity in Research.

Unit II: Data Collection & Sampling

Collection of Primary Data/Sources, Secondary Data/Sources, Observation Method, Interview, Libraries, Archives & Repositories, Questionnaire, Schedules, Case Study and other Innovative Methods, Research Procedure.

Sampling, Steps and Criteria for selecting a Sample procedure, Characteristics of Good Sampling, Types of Sample Design, Selecting Random Samples, Complex Random Sampling Design.

Unit III: Data Analysis & Interpretation

Measures of Central Tendency, Dispersion, Correlation & Regression, Chi-Square Test: applications, Steps, Characteristics, Limitations, Analysis of Variance & Co-variance.

Hypothesis: Meaning, Basic Concepts, Flow Diagram, Testing, of Means, Testing of Hypothesis testing of Correlation coefficients, Limitations of Tests of Hypothesis

Theory & Empirical approaches, Ethnographic, Comparative and Interpretative Research.

Unit IV: Research Tools & Ethics in Research

Computer Fundamentals, Basics, Data Representation, Word Processing Package, Creating & Editing a Word Document.

Ethical issues related to Publishing & Plagiarism, LaTex tool for Detection and Elimination of Plagiarism, Intellectual Property Rights, Copy Rights & Patent Laws.

Unit V: Research Report & Presentations

Structure & Components of Research Report, Types of Report, Layout of Research Report, Mechanism of Writing a Research Report.

Presentation: Tailoring the presentation to the target audience, Oral Presentation, Poster Presentation, Submission of Research Article, Thesis Writing, Visual & Delivery.

Reference

1. Adam Pzreworsky and Frank Solomon. *On the Art of Writing Proposals*, rev. edn, New York, 1995.
2. Blaxter Loraine, Hughes Christina and Tight Malcolm. *How to Research*, Open University Press, 2006.
3. Gerard Guthrie. *Basic Research Methods*, Sage, London, 2010.
4. Kothari, C. R. *Research Methodology: Methods and Techniques*, New Age Publishers, Delhi, 2018.
5. Rand R. Wilcox, *Fundamentals of Modern Statistical Research*, Springer, New York, 2010.
6. Ross, Timothy J. *Fuzzy Logic with Engineering Applications*, 2nd Edn. Wiley Publications, 2005.

Subject Code	Subject Name	L	T	P	C	Exam Hrs.	Max. Marks	
							Int.	Ext.
RES701	Research Methodology	4	0	0	4	3	30	70
x CPE-RPE101	Research and Publication Ethics	2	0	0	2	3	30	70
PCSE-0101	Seminar on Review of Literature	0	0	0	4	-	-	-
-	Elective - I	4	0	0	4	3	30	70
Total Credit					14			

x **Amended w.e.f. January 01, 2020, as per UGC D.O. No. F-1-1/2018 (Journal/CARE)**

Research and Publication Ethics

Code: CPE-RPE101

OBJECTIVE:
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.

COURSE CONTENTS:

1. **Pedagogy:** Classroom teaching, guestlectures, group discussions, and practical sessions.
2. **Evaluation:** Continuous assessment will be done through tutorials, assignments, quizzes, and group discussions. Weightage will be given for active participation. Final written examination will be conducted at the end of the course.
3. **Course structure:** The course comprises of six modules listed in table below. Each module has 4-5 units.

MODULES	UNIT TITLE	TEACHING HOURS
Theory		
RPE 01	Philosophy and Ethics	4
RPE 02	Scientific Conduct	4
RPE 03	Publication Ethics	7
Practice		
RPE 04	Open Access Publishing	4
RPE 05	Publication Misconduct	4
RPE 06	Databases and Research Metrics	7
	Total	30

SYLLABUS IN DETAIL

THEORY
- RPE 01: PHILOSOPHY AND ETHICS (3 hrs.)

1. Introduction to philosophy: definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgments and reactions

- RPE 02: SCIENTIFICCONDUCT (5 hrs.)
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

2

- RPE 03: PUBLICATION ETHICS (7 hrs.)
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

PRACTICE

- RPE 04: OPEN ACCESS PUBLISHING (4 hrs.)
1. Open access publications and initiatives
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 Suggested, etc.

- RPE 05: PUBLICATION MISCONDUCT (4hrs.)
(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 Tumitin, Urkund and other open source software tools

- RPE 06: DATABASES AND RESEARCH METRICS (7hrs.)
(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, SIR, IPP, Cite Score
2. Metrics: h-index, g index, i10 index, altmetrics

SRM University Delhi-NCR, Sonepat

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Ref No: SRMUH/RO/IMO/1027   **Date: - Friday, February 19, 2021**

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From:	To:
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Subject: **University Institutional Ethical Committee (IEC) - Regd.**

Hon'ble Vice-Chancellor, SRM University Delhi-NCR, Sonepat has constituted the Institutional Ethical Committee (IEC) as per the norms of Indian Council of Medical Research (ICMR), with the following members:-

Sr. No	Name	Designation
1	Prof. Vishwa Mohan Katoch	Former DG, ICMR & Secretary, Health, GoI, Present President AIIMS Madurai and JIPMER Pondicherry - Chairperson
2	Dr. Shailja Singh	JNU (Basic medical science) – Member
3	Dr. Prafulla Kumar B. Tailor	NII (Basic medical science) – Member
4	Prof. Ashok Rattan	Clinician – Member
5	Dr. Rohit Verma	AIIMS, New Delhi (Clinician)- Member
6	Prof. S. K. Malik	Former Professor at the Dept. of Pharmacology, AIIMS) as clinical pharmacologist – Member
7	Prof. Ranbir.Singh	Legal expert - Member
8	Dr. Amit Kumar Singh	University of Delhi (Social Scientist) - Member
9	Shri Sarveshwar	Philosopher/ ethicist/theologian - Member
10	Shri Omvir Singh	Lay person from the community - Member
11	Prof V. Samuel Raj	Dean Academic Affairs & Director C4D - Member Secretary

19/2/2021

Prof. Manish Bhalla
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Minutes of the 1st Meeting of Institutional Ethical Committee (IEC) of SRM University, Delhi-NCR, Sonepat

First meeting of the Institutional Ethical Committee (IEC) of SRM University, Delhi-NCR was held in virtual mode on 24.03.2021 at 3:30 PM onwards under the chairmanship of **Prof. Vishwa Mohan Katoch** to evaluate the ethical issues on the two ICMR projects entitled "**Management of Multidrug Resistant Pathogens causing Urinary Tract Infection**" and **"Re-purposing of drugs for the improvement of treatment against Visceral Leishmaniasis with the aim of averting the emergence of PKDL**".

The following were present:

1. Prof. Vishwa Mohan Katoch -- Former DG, ICMR cum Secretary DHR (MoHFW, GOI) – Chairperson

2. Prof. S.K. Maulik – Emeritus Scientist ICMR and Former Professor, Dept. of Pharmacology, AIIMS, New Delhi, (Clinical Pharmacologist) – Member

3. Prof. Ranbir Singh -- Professor of Eminence and Former & Founder Vice-Chancellor of National Law University, Delhi (Legal expert)- Member

4. Prof. Ashok Rattan – Adviser, Laboratory Operations, PathKind Labs, Gurgaon, Haryana (Medical Microbiologist, Clinician) - Member*

5. Dr. Amit Singh -- Department of Political Science, ARSD College, University of Delhi, New Delhi (Social Scientist)- Member

6. Dr. Rohit Verma – Associate Professor, Dept. of Psychiatry AIIMS, New Delhi (Clinician)-Member

7. Dr. Shailja Singh -- Associate Professor, Special Centre for Molecular Medicine, JNU, New Delhi (Basic Medical Sciences)- Member

8. Shri Omvir Singh --- (Lay person from the community) - Member

9. Shri Sarveshwar --- Temple Priest (Philosopher/ Theological) - Member

10. Prof. V. Samuel Raj -- Member Secretary & PI of ICMR projects*

*Prof Ashok Rattan and Prof. V Samuel Raj participated as Co-Investigator and PI and did not participate in the discussions & decision making in this meeting.

All other IEC members clearly stated that the projects that they did not have any conflict of interest.

Following participated as members of project team:
    a. Dr. Ramendra Pati Pandey - Co-PI
    b. Dr. Anjali Priyadarshini - Co-PI
    c. Dr. Poornima Sheba Samuel Raj - Co-PI

Prof. Paramjit S. Jaswal - Hon'ble Vice Chancellor welcomed all the members to this first meeting of IEC of SRM University, Delhi-NCR, Sonepat.

Prof. V. Samuel Raj welcomed the Chairperson as well as members and elaborated on their credentials.

Dr VM Katoch, Chairman in his opening remarks appreciated the constitution of this IEC as per ICMR guidelines with eminent experienced persons as members. He hoped that their experience will be useful in establishing sound IEC procedures of functioning as per ICMR/CDSCO norms. He elaborated on the basic needs and criteria of functioning of IEC in which all members receive proper trainings and fulfill their roles as per ICMR/CDSCO norms which should be part of SoPs of this IEC as well. He commented that IEC is responsible for overall monitoring all the research proposals (need, design and plans) that involve human beings under its consideration. Need of such research and safety of human subjects are most important considerations. Adherence to ICMR/ CDSCO guidelines is essential. He then asked Dr Samuel Raj to present the details of two projects that are listed for today's deliberations:

Thereafter Prof. V Samuel Raj made presentation about the background, objectives and proposed work plans for two projects submitted to ICMR for funding.

1. **Management of multi-drug resistant (MDR) pathogens causing urinary tract infection (UTI):** Prof V Samuel Raj presented background, justification and overall design of the project. He highlighted that only one component pertains to pharmacokinetic studies in patients of UTI who will be treated using standard of the care procedures with standard dosage and duration using already approved drugs. He explained Ciprofloxacin (500 mg BID), Norfloxacin (400 mg BID), and Nitrofurantoin (100 mg BID) will be purchased from one Pharma Company (preferably from Sun Pharma – formerly Ranbaxy). The drugs will be given free of cost to the patients those who are taking part in this study. 150 patients (adult age group, both men and women) will be taken and divided into 3 groups of 50 patients in each group. Each group will be administered single oral dose of either ciprofloxacin, nitrofurantoin or norfloxacin with fixed volume of water (~500 mL). Following administration, 1 ml of blood samples in anticoagulated tubes will be collected at Cmax time point from every patient as follows:

1. Ciprofloxacin dosed patients: at 2 h post dose (reported Cmax time point: 2-3 h)
2. Norfloxacin dosed patients: at 2 h post dose (reported Cmax time point: 2-3 h)
3. Nitrofurantoin dosed patients: at 2 h post dose (reported Cmax time point: 2-5 h)

The blood samples will be kept in wet ice before centrifugation at 3000 rpm (1200 X g) at 4ºC to harvest plasma. Urine samples (2 mL) will also be collected from individual patients till 6 h post dose and urine void volume will be noted. All samples (plasma and urine) will be kept in Deep freezer. Patient drug concentrations in plasma and urine will be quantified using LCMS/MS method. The plasma concentration, urine concentration will be correlated with MIC concentrations.

Prof Samuel Raj elaborated that initially the proposal is to carry out this work at SRM University PRIMSR Hospital under proper medical supervision. AIIMS, New Delhi has been proposed as additional site subject to approval from their Ethics Committee.

Comments: All members of IEC deliberated on all aspects of this project and opined that the component regarding the pharmacokinetic study is well justified, has minimum risk as subjects will be treated using appropriate microbiological and treatment procedures using known approved drugs for this purpose as standard of care. Source of drug could be Sun Pharma or any reputed company, however, concentration/amount in the lot of administered drugs should be measured and correlated with levels achieved in the body. Further, pathogen isolated from a particular subject should be sensitive to the drug to be administered which is the standard of care. Any other modification will require approval of IEC. While template for patient information and consent was okay, this may be made more elaborate and specific, it may be circulated, vetted by legal member and approved by Chairperson finally before the start of the study. Pharmacokinetic studies should include assay free drug in plasma also at different points as well as in urine/ bladder as may be considered appropriate and feasible. Sample size may change after initial results that could be considered by IEC at that stage. PI will apprise the IEC of progress at least every six months or whenever required.

Decision: *IEC unanimously approved of the study for SRM University PRIMSR Hospital site. Inclusion of AIIMS and or any other site will depend upon the approval of their IEC as well as final decision by this IEC.*

2. The research project entitled "**Re-purposing of drugs for the improvement of treatment against Visceral Leishmaniasis with the aim of averting the emergence of PKDL**" was presented and discussed.

   Comments and decision: The IEC noted that this phase of the project does not involve any study on human subjects. Approval for research on human subjects will be needed once the Phase 2 clinical trial will be contemplated. As such approval of the IEC is not required for the proposed study.

General discussions:

(i) SRM University, Delhi-NCR was advised and it agreed to prepare SOP based on ICMR / CDSCO guidelines taking guidance from well-established government/ non-governmental institutions.

(ii) SRM university, Delhi-NCR will organize the formal training of members and staff of its Ethics Cell in ethical procedures

(iii) Regarding the multi-institutional and international projects (one was mentioned but not discussed), it will ensure compliance with ethical approvals from Ethics Committees of partnering institutions as well as HMSC clearance.

- The meeting ended with vote of thanks to the chair and the IEC members.

Approved

26/3/21

Prof. V. Samuel Raj   Dr V.M. Katoch
Member Secretary, IEC   Chairman, IEC
SRM University, Delhi-NCR   SRM University, Delhi-NCR

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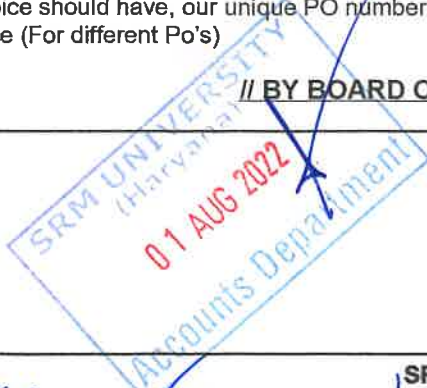| SI No	Description	Delivery period	Qty	Unit	Price /Unit[Rs.]	Discount /Unit[%]	Tax /Unit	Extra Charges	Total Price [Rs.]
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BENEFICIARY COMPANY'S ACCOUNT #: 0714093002
BENEFICIARY BANK BRANCH IFSC CODE: CITI0000002
BENEFICIARY BANK BRANCH MICR CODE: 110037002
BENEFICIARY BANK SWIFT CODE: CITIINBX

turnitin

TurnitIndia Education Pvt. Ltd.
Max Towers, 16th Floor
Spaces Suites #1603-05, 1608, 1610
Sector 16-B, NOIDA - 201301
Uttar Pradesh, India
1-510-764-7600
GSTIN: 09AAGCT1132P1Z1
PAN: AAGCT1132P

Date:	Jul 22, 2021
Invoice No.:	IND12001790
Purchase Order No.:	SRMH-ET-WO/Jul/21-22/00064
Sales Order No.:	SO959776
Due Date:	Aug 06, 2021
Payment Terms:	Net 15
Service Start:	Jul 22, 2021
Service End:	Jul 21, 2022

TAX INVOICE

Bill To	Billing Contact	Account Manager
GSTIN 06AALTS8350E1Z9 SRM University, Delhi-NCR, Sonepat Plot No. 39, Rajiv Gandhi Education City Sonipat Haryana 131029 India Our Ref:	Dr. D. V. Singh E : librarian@srmuniversity.ac.in P: 9811808039	Deepak Kushwaha e: dkushwaha@turnitin.com P: 98114 64491

Product Name	Product Description	Amount
Turnitin Similarity Enterprise(Protect against copy/paste plagiarism, student collusion, and research misconduct)	Subscription Term - 12 Months End User Licenses - 2225	INR 385,954.85
	Subtotal	INR 385,954.85
	CGST - 0%	INR 0.00
	SGST - 0%	INR 0.00
	IGST - IN 18%	INR 69,471.87
	UTGST - 0%	INR 0.00
	Total	INR 455,426.72

USD$: 6,082.90 = INR 455,426.72

Exchange Rate US $1.00 = INR 74.87

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

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

09AAGCT1132P1Z1

TURNITIN INDIA PRIVATE LIMITED
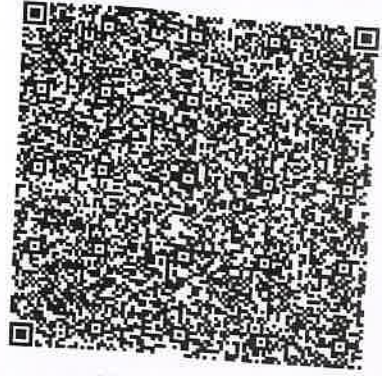
1.e-Invoice Details

IRN : 0b2e3e90359e2a3f09ed5e520ade6a59 2926ad48e2e0eeda42f8b53d7ffd736f

Ack No. : 142211565530889

Ack Date : 16-08-2022 17:34:00

2.Transaction Details

Supply type Code : B2B

Document No. : IND12002686

IGST applicable despite Supplier and Recipient located in same State : No

Place of Supply : HARYANA

Document Type : Tax Invoice

Document Date : 16-08-2022

3.Party Details

Supplier :

GSTIN : 09AAGCT1132P1Z1
TURNITIN INDIA PRIVATE LIMITED
16TH & 17TH FLOOR, MAX TOWERS, SECTOR 16B
NOIDA 201301 UTTAR PRADESH

Recipient :

GSTIN : 06AALTS8350E1Z9
SRM University, Delhi-NCR, Sonepat
Plot No. 39, Rajiv Gandhi Education City
Sonipat Place of Supply: HARYANA
131029 HARYANA

4.Details of Goods / Services

SlNo	Item Description	HSN Code	Quantity	Unit	Unit Price(Rs)	Discount(Rs)	Taxable Amount(Rs)	Tax Rate(GST + Cess | State Cess + Cess Non.Advol	Other charges	Total
1	Turnitin Similarity – Enterprise Subscription	998439	1	OTH	416250.60	0	416250.60	18.00 + 0.00 | 0.00 + 0	0	491175.71

Tax'ble Amt	CGST Amt	SGST Amt	IGST Amt	CESS Amt	State CESS	Discount	Other Charges	Round off Amt	Tot Inv. Amt
416250.60	0.00	0.00	74925.11	0.00	0.00	0.00	0.00	0.00	491175.71

Generated By : 09AAGCT1132P1Z1
Print Date : 16-08-2022 17:35:01

142211565530889

Digitally Signed by NIC-IRP
on :2022-08-16 17:34:00

SRM UNIVERSITY
(Haryana)
3 0 AUG 2022
Accounts Department

turnitin

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:	Aug 16, 2022
Invoice No.:	IND12002686
Purchase Order No.:	SRMH-ET-WO/Jul/22-23/00187
Sales Order No.:	SO980304
Due Date:	Sep 15, 2022
Payment Terms:	Net 30
Service Start:	Jul 22, 2022
Service End:	Jul 21, 2023

ANNEXURE

Bill To	Billing Contact	Account Manager
GSTIN 06AALTS8350E1Z9 SRM University, Delhi-NCR, Sonepat Plot No. 39, Rajiv Gandhi Education City Sonipat Haryana 131029 India Our Ref:	Dr. D. V. Singh e: librarian@srmuniversity.ac.in	Utkarsh Tyagi e: utyagi@turnitin.com f: 1-510-764-7612

Product Name	Product Description	Amount
Turnitin Similarity - Enterprise Subscription	Subscription Term - 12 Months	INR 416,250.60
	Subtotal	INR 416,250.60
	CGST - 0%	INR 0.00
	SGST - 0%	INR 0.00
	IGST - IN 18%	INR 74,925.11
	UTGST - 0%	INR 0.00
	Total	INR 491,175.71

USD$: 6,086.44 = INR 491,175.71

Exchange Rate US $1.00 = INR 80.70

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
Wire Instructions:	1) BENEFICIARY BANK: Citibank N.A. BENEFICIARY COMPANY: Turnitin India 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

SRM UNIVERSITY DELHI-NCR, SONEPAT

SRMUH/CL/72/2022-23   Date: 20/07/2022

Department of Library

Sub: Request – Library – PO and 100 % Advance Payment Approval for Turnitin (Plagiarism Software) Annual Subscription Renewal for 2022-2023

Received Performa Invoice No Q-507839-1 Date.14-07-2022 For Turnitin Software (Turnitin Similarity Enterprise) (Holistic Implementation for the detection of Plagiarism)Renewal from M/S. Turnitin India Private Limited 16th &17th Floor ,Max Towers, Sector 16-B,Noida -201301 Annual Subscription Renewal for 2022-2023. (For the Period of 12 months)

The Details are as given below: (SBI–Exchange Rate US $ 1 = 80.70)

S.NO	Particulars	Amount in INR
1	Turnitin Similarity Enterprise (Protect against copy, paste Plagiarism, student collusion and research misconduct) (Annual Subscription Term 12 Month)	USD $-5158.00 GST 18% INR-4,16,250.60 IGST-74,925.11 Total- 4,91,176.00
	Total Amount	**Rs.4,91,176.00**

Estimate Budget: Rs.4,91,176.00 (Four Lakh Ninety One Thousand One Hundred & Seventy Six Only)

Requirement: PO and 100% advance Payment to M/S. Turnitin India Private Limited 16th &17th Floor, Max Towers, Sector 16-B, Noida -201301

D. V. Singh 20/7/2022
University Librarian

Administrative officer 21/7/2022

Asst. Registrar Finance 01/07/2022

Director 21/07/2022
(Administration)

Registrar 21.7.22

Vice Chancellor 21/07

SRM UNIVERSITY, DELHI-NCR, SONEPAT (HARYANA)

Plot No.39, Rajiv Gandhi Education City, PS.Rai, Sonepat
Haryana 131029
0130-2203700, 701

WORK ORDER

Supplier Details:

M/s Turnitindia Education Pvt.Ltd
16th and 17th Floor, Max Tower, Sec-16B, Noida, U.P

Phone: dkushwaha@turnitin.com

Supplier Reference No	22-07-2022
Quotation Received on	22-Jul-2022
Contact Person	
G.S.T No.	09AAGCT1132P1Z1

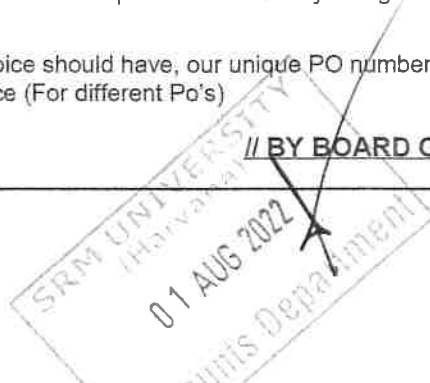|	
P.O No.	SRMH-ET-WO/Jul/22-23/00187
Date	29-Jul-2022
Invoice To	SRM UNIVERSITY, DELHI-NCR, SONEPAT (HARYANA)
Delivery At	Plot No.39, Rajiv Gandhi Education City, PS.Rai, Sonepat, Haryana 131029
G.S.T No.	06AALTS8350E1Z9

Sl No	Description	Delivery period	Qty	Unit	Price /Unit[Rs.]	Discount /Unit[%]	Tax /Unit	Extra Charges	Total Price [Rs.]
1	Subscriptions(Turnitin Plagiarism SoftwareAnuual renewal Subscription 2022 -)	29-Jul-2022	1.00	Nos	416250.06	0.00	18.000	0.00	491175.07

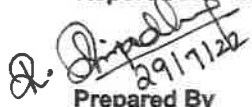|	
Gross Total :	491175.07
Round off Amount :	0.93
Total Purchase Amount :	**491176.00**

Rupees in Words :Rupees Four Lakhs Ninety One Thousand One Hundred Seventy Six only
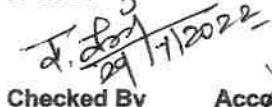
Terms and Conditions:

Purchase Terms	Turnitin Plagiarism Subscription
Payment Terms	100% Advance
P.O. Note	For Library
Supplier's Attention	**The Products supplied shall be within the frame of following** 1.All supplies / Services must be made against properly authenticated purchase orders. 2.No oral instruction from any one shall be entertained. 3.Proper Goods Received Note must be obtained from Stores / Security when materials are delivered. 4.Ensure with proper acknowledgement that Accountant has accounted your bills within 30 days, failing which your claim for payment will not be entertained at any later date. 5.Supplier shall send statement of accounts to Accounts Department before 7 th of the succeeding month. 6.Discrepancy if any, shall be reported to management through mail to accounts@srmgroup.co.in and admin@srmgroup.co.in within 30days of supply. 7.Quality Can't be compromised. If Quality as agreed is not delivered, no payment will be made for entire order. 8.Every invoice should have, our unique PO number. No two or more purchase orders to be merged in single invoice (For different Po's)

// BY BOARD OF MANAGEMENT//

01 AUG 2022

Report Date: 29-07-2022

SRM UNIVERSITY, DELHI-NCR, SONEPAT (HARYANA)

Prepared By   Checked By   Accounts Department   Recommending Authority   Authorised Signature , Date & Seal

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TurnitIndia Education Pvt. Ltd.
Max Towers, 16th Floor
Spaces Suites #1603-05, 1608, 1610
Sector 16-B, NOIDA - 201301
Uttar Pradesh, India
1-510-764-7600
GSTIN: 09AAGCT1132P1Z1
PAN: AAGCT1132P

Date:	Jul 22, 2021
Invoice No.:	IND12001790
Purchase Order No.:	SRMH-ET-WO/Jul/21-22/00064
Sales Order No.:	SO959776
Due Date:	Aug 06, 2021
Payment Terms:	Net 15
Service Start:	Jul 22, 2021
Service End:	Jul 21, 2022

TAX INVOICE

Bill To	Billing Contact	Account Manager
GSTIN 06AALTS8350E1Z9 SRM University, Delhi-NCR, Sonepat Plot No. 39, Rajiv Gandhi Education City Sonipat Haryana 131029 India Our Ref:	Dr. D. V. Singh E : librarian@srmuniversity.ac.in P: 9811808039	Deepak Kushwaha e: dkushwaha@turnitin.com P: 98114 64491

Product Name	Product Description	Amount
Turnitin Similarity Enterprise(Protect against copy/paste plagiarism, student collusion, and research misconduct)	Subscription Term - 12 Months End User Licenses - 2225	INR 385,954.85
	Subtotal	INR 385,954.85
	CGST - 0%	INR 0.00
	SGST - 0%	INR 0.00
	IGST - IN 18%	INR 69,471.87
	UTGST - 0%	INR 0.00
	Total	INR 455,426.72

USD$: 6,082.90 = INR 455,426.72

Exchange Rate US $1.00 = INR 74.87

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

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

OFFICE MEMORANDUM

Subject: Re-constitution of Research Council of SRM University Delhi-NCR, Sonepat, Haryana – Composition and Terms of Reference.

*****

Considering the importance of Science, Technology & Innovation as major drivers for the national development globally and the need for encouraging academic research focussed towards collaboration and partnership with other institutions & industry not only in S&T but also in other disciplines. SRM University Delhi-NCR, Sonepat, Haryana has given priority to these activities and constituted a Research Council (RC) to advise and give direction. The following is the composition and Terms of Reference of the Council:

Composition:

1. **Professor (Dr.) Paramjit S. Jaswal**   Chairman
   Vice Chancellor
   SRM University Delhi-NCR, Sonepat
   39, Rajiv Gandhi Education City
   P.S. Rai (P.O), Sonepat, Haryana-131029

2. **Prof. G.P. Talwar**   Member
   Director Research
   Talwar Research Foundation
   E-8, Neb Valley, Neb Sarai
   New Delhi-110 068, India

3. **Prof. Nirmal Kumar Ganguly**   Member
   Former Director General (ICMR)
   Professor (GRIPMER)
   Flat No. - 191, City View Apartment
   Sector - 35, Noida – 201301

4. **Dr. Vishwa Mohan Katoch**   Member
   NASI-ICMR Chair on Public Health Research at
   Rajasthan University of Health Sciences (RUHS), Jaipur,
   President, JIPMER, Puducherry, President, AIIMS, Madaurai
   Former Secretary, Department of Health Research, Govt of India
   and Director-General, Indian Council of Medical Research,
   Sector 18, Kumbha Marg, Pratap Nagar, Jaipur-302033 (Rajasthan)

5. **Prof. K Srinivas**   Member
   Center for Computer Science
   NIEPA, Aurobindo Marg,
   New Delhi-16,

6. **Prof. Appa Rao Podile**   Member
   Vice Chancellor
   University of Hyderabad
   Hyderabad- 500046, Telangana

7. **Prof. Dr. Seyed Ehtesham Hasnain**   Member
   Distinguished Professor
   IIT Delhi, Hauz Khas,
   New Delhi – 110016

8. **Prof. N. V. Ramana Rao**   Member
   Director
   National Institute of Technology (NIT)
   Warangal- 506 004, Telangana.

9. **Dr. R. Vishwakarma**   Member
   Director
   Indian Institute of Integrative Medicine
   Canal Road, Jammu-180001

10. **Dr. Pawan Sharma**   Member
    Former Senior Research Scientist,
    ICGEB, New Delhi
    Former Senior Consultant (Healthcare),
    DBT/NERBPMC, New Delhi

11. **Prof. M. B. Srinivas**   Member
    Professor and Dean
    BITS Pilani, Hyderabad Campus,
    Jawahar Nagar, Shameerpet Mandal,
    Hyderabad-500078, Telangana

12. **Prof. Absar Ahmad Kazmi**   Member
    Department of Civil Engineering
    Indian Instutitue of Technology Roorkee
    Haridwar Highway, Roorkee, Uttarakhand- 247667

13. **Prof. Sachin Maheshwari**   Member
    Mechanical Engineering
    Division of Manufacturing Process and
    Automation Engineering
    Netaji Subhash University of Technology
    Sector-3, Dwarka, New Delhi- 110078

14. **Dr. K. Duraivelu**   Member
    Professor & Dean (E&T)
    SRM University, Vadapalani Campus
    Chennai – 600026, Tamilnadu

15. **Prof. Vinay Gupta**   Member
    Professor,
    Department of Physics and Astrophysics
    North Campus
    University of Delhi
    Delhi-110007

16. **Prof S P Singh**   Member
    Professor,
    Department of Civil Engineering,
    Dr B R Ambedkar National Institute of Technology
    Near Bidhipur Phatak, G T Bypass Road
    Jalandhar - 144011
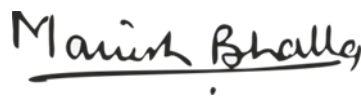
17. **Prof. Wilson Aruni**   Member
    Pro Vice Chancellor
    Sathyabama Institute of Science and Technology
    Jeppiaar Nagar, Rajiv Gandhi Salai
    Chennai - 600 119

18. **Prof. Ahmadulla Shariff**   Member
    Head of IT Division
    Chairman
    Telemedicine Facility
    AIIMS, New Delhi, 110029

19. **Prof. Harish C. Rai**   Member
    Dean Engineering
    SRM University, Delhi-NCR
    Rajiv Gandhi Education City
    Sonepat - 131 029, Haryana

20. **Prof. Dinabandhu Mukhopadhyay**   Member
    Dean Management
    SRM University, Delhi-NCR
    Rajiv Gandhi Education City
    Sonepat - 131 029, Haryana

21. **Prof. Rakesh Dube**   Member
    Dean Science & Humanities
    SRM University, Delhi-NCR
    Rajiv Gandhi Education City
    Sonepat - 131 029, Haryana

22. **Prof. Arun Sacher**   Member
    Associate Dean, Management
    SRM University, Delhi-NCR
    Rajiv Gandhi Education City
    Sonepat - 131 029, Haryana

23. **Prof. K. Ramkumar**   Member
    Associate Dean, Engineering
    SRM University, Delhi-NCR
    Rajiv Gandhi Education City
    Sonepat - 131 029, Haryana

24. **Prof. Sanjay Malik**   Member
    Research Coordinator
    SRM University, Delhi-NCR
    Rajiv Gandhi Education City
    Sonepat - 131 029, Haryana

25. **Prof. V. Samuel Raj**   Member Secretary
    Director (C4D) & Dean Academics
    SRM University, Delhi-NCR
    Rajiv Gandhi Education City
    Sonepat - 131 029, Haryana

Terms of Reference:

1. To provide direction to the R&D initiatives of the University through Science, Technology and Innovation System & gain national significance and global relevance.

2. Advise for fostering academia-research-industry collaborations both at the national & international level not only in S&T but also in other disciplines.

3. To promote research conceptualization in the correct perspective to address the prevailing problems of the state and the nation. To advise, evaluate and suggest improvements on the research proposals prepared by academic faculty before seeking funding support.

4. Advise on enhancing research activities to attract public/private sector in availing infrastructure & skill of the university in the development of novel drugs.new technology, new software.

5. Advise on developing research policy, IPR policy and benefit sharing etc.

6. Advice on any other matter concerning to promote the research culture, ambience, scientific temper among youth of the University and technology development, technology translation, S&T manpower, policy related surveys and studies, location specific (Haryana) R&D and demonstration of technology etc.

This Council will have a duration of three years and will meet at least onece in a year. The members will be provided TA/DA/Honorarium as per the norms of the University.

The Council can-opt more experts depending on the need.

Prof. Manish Bhalla
Registrar

Copy to:
1. **The office of the Vice Chancellor**
2. **Prof. V. Samuel Raj, Director C4D & Dean Academic Affairs**
3. **All Research Council Members**
4. **All other concerned**