

RESEARCH ETHICS



RESEARCH METHODOLOGY

COURSE CONTENTS

- UNIT I –RESEARCH FORMULATION AND DESIGN L-9
Motivation and objectives – Research methods vs. Methodology. Types of research – Descriptive vs. Analytical, Applied vs. Fundamental, Quantitative vs. Qualitative, Conceptual vs. Empirical, concept of applied and basic research process, criteria of good research. Defining and formulating the research problem, selecting the problem, necessity of defining the problem, importance of literature review in defining a problem, literature review-primary and secondary sources, reviews, monograph, patents, research databases, web as a source, searching the web, critical literature review, identifying gap areas from literature and research database, development of working hypothesis.
- UNIT II – DATA COLLECTION AND ANALYSIS L-15
Accepts of method validation, observation and collection of data, methods of data collection, sampling methods, data processing and analysis strategies and tools,data analysis with statically package (Sigma STAT,SPSS for student t-test, ANOVA, etc.), hypothesis testing.
- UNIT III – SOFT COMPUTING L-9
Computer and its role in research, Use of statistical software SPSS, GRETL etcin research. Introduction to evolutionary algorithms - Fundamentals of Genetic algorithms, Simulated Annealing, Neural Network based optimization, Optimization of fuzzy systems.
- UNIT IV –RESEARCH ETHICS, IPR AND SCHOLARY PUBLISHING L-9**
Ethics-ethical issues, ethical committees (human & animal); IPR- intellectual property rights and patent law, commercialization, copy right, royalty, trade related aspects of intellectual property rights (TRIPS); scholarly publishing- IMRAD concept and design of research paper, citation and acknowledgement, plagiarism, reproducibility and accountability.
- UNIT V –INTERPRETATION AND REPORT WRITING L-9
Meaning of Interpretation, Technique of Interpretation, Precaution in Interpretation, Significance of Report Writing, Different Steps in Writing Report, Layout of the Research Report, Types of Reports, Oral Presentation, Mechanics of Writing a Research Report, Precautions for Writing Research Reports, Conclusions.

REFERENCES

1. Garg, B.L., Karadia, R., Agarwal, F. and Agarwal, U.K., 2002. An introduction to Research Methodology, RBSA Publishers.
2. Kothari, C.R., 1990. Research Methodology: Methods and Techniques. New Age International. 418p.
3. Sinha, S.C. and Dhiman, A.K., 2002. Research Methodology, Ess Ess Publications. 2 volumes.
4. Trochim, W.M.K., 2005. Research Methods: the concise knowledge base, Atomic Dog Publishing. 270p.
5. Wadehra, B.L. 2000. Law relating to patents, trade marks, copyright designs and geographical indications. Universal Law Publishing.

ETHICS COMMITTEE

290

No.25/1/99-AWD
Government of India
Ministry of Social Justice and Empowerment
(Committee for the Purpose of Control and Supervision of Experiments on Animals)

Shastri Bhavan, New Delhi-110001.
Dated the 12th December, 2000.

To

The Director,
Vel's College of Pharmacy
P.V. Vaithiyalingam Road,
Pallavaram,
Chennai-600117.

Subject : Registration of Establishments/ Breeders under Rule 5(a) of the "Breeding of and Experiments on Animals (Control and Supervision) Rules 1998".


Sir,

With reference to your application on the above-mentioned subject, this is to inform that your Establishment is hereby registered for "Research & Teaching". Your Registration Number is 290/CPCSEA. The nominee of CPCSEA on the Institutional Animal Ethics Committee (IAEC) of your Establishment is Ms. Sudha, 1st Street, Nawab, Habibullah Avenue, Nungambakkam, Chennai 6.

2. You are requested to quote the above Registration Number in all your future correspondence with the Committee.
3. You are also requested to convene IAEC meeting at the earliest.
4. For further correspondence you are requested to contact Office of CPCSEA at Chennai, at the address given below:

Office of the CPCSEA,
Ministry of Social Justice and Empowerment,
3rd Sea Ward Road, Walmiki Nagar,
Thiruvanmiyur, Chennai-600 041

Yours faithfully,


(A.K. JOSHI)
MEMBER SECRETARY(CPCSEA)
Tel. No.3387539
Fax No.3384918

Copy to:-

1. Ms. Prema Veeraraghavan, Expert Consultant(CPCSEA), Chennai.
2. Ms. Sudha, 1st Street, Nawab, Habibullah Avenue, Nungambakkam, Chennai 6.

No. 25/535/2009-AWD

Date:20/04/2021

To

**Dr. P. Shanmugasundaram, Chairperson IAEC,
Vel's Institute of Science, Technology and Advance Studies
(VISTAS),
P. V. Vaithiyalingam Road, PallavaramChennai - 600 117, Tamil
Nadu,
Mobile: 9840126575
E-mail: director.sps@velsuniv.ac.in**

Subject: Revision of Institutional Animals Ethics Committee (IAEC) – regarding

Sir,

Kindly refer to your application on the above subject. CPCSEA hereby accords approval to your request for revision of IAEC.

2. Accordingly, the revised IAEC is as under:

S.No.	Name of IAEC Members	Designation in IAEC
1	Dr. P. Shanmugasundaram	Biological Scientist, Chairperson
2	Dr. Binoy Varghese Cheriyan	Scientist Incharge of Animal House Facility, Member Secretary
3	Dr. S. Sathesh Kumar	Scientist from different discipline
4	Dr. A. K. Kathireshan	Scientist from different discipline
5	Dr. Ruchika Lakshmanan	Veterinarian
6	Dr. A. Gopinathan	Main Nominee
7	Dr. D. Sivaraman	Link Nominee
8	Dr. R. Ananda Raja	Scientist from outside the Institute
9	Dr. P. K. Sarangi	Socially Aware Nominee

3.It is stated that only above approved IAEC members shall sign, with date, on the attendance sheet of the IAEC mettings, and decisions will be taken only in meetings where quorum is complete. The quorum for holding IAEC meeting is six(6), and Main Nominee, Scientist from outside the Institute and Socially Aware Nominee must be present in such meetings. Link Nominee can attend in case main nominee conveys his unavailability in writing to the chairman IAEC. However, the Link Nominee must be invited once a year to update him/ her about the

activities of the IAEC. Any decision taken in the meetings of IAEC without quorum shall be considered invalid.

Yours sincerely,

(Dr. S. K. Dutta)

Member Secretary (CPCSEA)

Copy for information to Nominees of CPCSEA:

- 1 Dr. A. Gopinathan, Main Nominee
- 2 Dr. D. Sivaraman, Link Nominee
- 3 Dr. R. Ananda Raja, Scientist from outside the Institute
- 4 Dr. P. K. Sarangi, Socially Aware Nominee



VELS

INSTITUTE OF SCIENCE TECHNOLOGY
& ADVANCED STUDIES (VISTAS)

வேல்ஸ் அறிவியல் தொழில்நுட்ப உயர் ஆராய்ச்சி நிறுவனம்

(DEEMED TO BE UNIVERSITY Estd. u/s 3 OF THE UGC ACT, 1956)

NAAC ACCREDITED

PALLAVARAM - CHENNAI - INDIA



MINUTES OF THE XXII INSTITUTIONAL ANIMAL ETHICS COMMITTEE MEETING

Date: 11.02.2019

Time: 10.30 AM

Venue: Conference Hall, School of Pharmaceutical Sciences,
Vels Institute of Science, Technology and Advanced Studies (VISTAS)

Minutes of the Meeting

The XXII Institutional Animal Ethics committee (IAEC) meeting was held 11.02.2019 at 10.30 am at School of Pharmaceutical sciences, VISTAS. The CPCSEA nominees examined the following project proposals submitted to the IAEC and approved /not approved with the following remarks as detailed in annexure I. Based on the observations the following general remarks have to be taken care of during the future project proposal submission.

1. In the project proposal, complete details should be given in the specific places in the format.
2. Certain particulars are left blank / irrelevantly filled. Such things should be avoided in the FORM B
3. Requested to frame Research Programme Approval Committee to scrutinize the research proposals before being sent to members.
4. All investigators should sign in the proposal
5. Whenever the proposals are based on *in vitro* results, presentation of *in vitro* results is mandatory for approval .
6. Necessary certificate from the vendor should be obtained for the clearance of microbial load
7. Periodical examination of feed should be carried out for aflatoxin, OPC, nitrate and nitrites. Water should be tested for OPC, nitrates, nitrites and heavy metals. Softness /hardness should be carried out at least once in six months

V. Sathish 11/2/19
P. S. Srinivasan 11/2/19
R. K. Srinivasan 11/2/19
Pradeep 11/2/19
Pradeep 11/2/19
S. A. C. 11.2.19
A. Muthu 11.2.19

Velan Nagar, P.V. Vaithiyalingam Road, Pallavaram, Chennai - 600 117, INDIA

Phone: (91-44) 2266 2500, 2266 2501, 2266 2502, 2266 2503 Fax : (91-44) 2266 2513

E-mail: vistas@velsuniv.ac.in Website: www.velsuniv.ac.in

Admin. Office: 521/2, Anna Salai, Nandanam, Chennai - 600 035. Tele Fax : 2431 5541 / 2431 5542

ANNEXURE-I

The following project proposals were presented to the committee for approval.

S. NO	Title of the Project & Name of the Investigator	Proposal Number	No. of animals requested	No. of animals approved	Remarks	Approval Status & Comments / Project Reference
1	Inhibitory effect of phytoconstituent rich fractions of aqueous extract of <i>Tragia Involucrata</i> by <i>in vitro</i> and <i>in vivo</i> methods through mitochondrial molecular mechanism. V. Jayashree	XXII/VELS/PCOL/01/2000/CPCSEA/IAEC/ 11.02.2019	46 Mice	36 Mice	6 animals/group	Approved
2	Formulation and evaluation of curcumin loaded phycocyanin nanosponges for brain tumor. K. Manjuladevi	XXII/VELS/PCOL/02/2000/CPCSEA/IAEC/ 11.02.2019	15 Rats, 6 Rabbits, 20 Mice	12 Rats (6 rats acute toxicity & 6 rats for pharmacokinetics 20 mice (<i>in vivo</i> studies))	Conditional approval if the compound crosses the blood brain barrier. <i>In vivo</i> study can be undertaken after submission of <i>in vitro</i> data in the next IAEC meeting.	Approved
3	Assessment of Hepatoprotective effect of the Seagrass – <i>Enhalus acoroides</i> by <i>in vivo</i> , <i>in vitro</i> and <i>in silico</i> approach. P. Amudha	XXII/VELS/PCOL/03/2000/CPCSEA/IAEC/ 11.02.2019	36 Rats	36 Rats	Only 3 control rats to be sacrificed for histopathological studies. 3 rats to be rehabilitated.	Approved
4	Deciphering the effect of <i>Cymodocea serrulata</i> against DEN induced hepatocellular carcinoma in wistar albino rats and assessment of its anticancer potential. N. Pushpa Bharathi	XXII/VELS/PCOL/04/2000/CPCSEA/IAEC/ 11.02.2019	36 Rats	36 Rats	Only 3 control rats to be sacrificed for histopathological studies. 3 rats to be rehabilitated.	Approved

P. S. Srinivas
11/2/19
R. K. Srinivas
11/2/19

V. Sathish
11/2/19

Sonichan
11/2/19

Keyl-ej
11/2/19

S. S. Srinivas
11/2/19

A. Muthal
11/02/19

5	Study on Gastro Retentive Drug Delivery Systems (GRDDS) for selected drugs to enhance the therapeutic efficacy. R. Ananthakumar	XXII/VELS/PCOL/05/2000/CPCSEA/IAEC/11.02.19	3 Rabbits	3 Rabbits		Approved
6	Combined use of amino acid along with amino acid oxidase inhibitor on dementia induced neuropathy Pain in mice. S. Nithya	XXII/VELS/PCOL/06/2000/CPCSEA/IAEC/11.02.19	33 Mice	33 Mice		Approved
7	Development and characterization of Ansamycin loaded polymeric nanoparticles for bacterial meningitis. Keerthi G.S. Nair	XXII/VELS/PCOL/07/2000/CPCSEA/IAEC/11.02.2019	15 Rats, 6 Rabbits, 20 Mice	6 Rats (Acute toxicity), 6 Rats (Pharmacokinetic study), No Rabbits.	Restricted only to the Pharmacokinetic studies and treatment studies should be carried out in the second phase. Necessary ICBSC approval should be obtained for carrying for handling <i>E.coli</i> and submit in the next IAEC meeting.	Approved
8	Design and development of polymeric nano carriers for delivery of cytotoxic drugs across blood brain barrier. G. Ramesh	XXII/VELS/PCOL/08/2000/CPCSEA/IAEC/11.02.19	72 Mice, 24 Rats	12 Mice, 21 Rats	Restricted only to the acute toxicity, Pharmacokinetic, distribution studies and treatment studies should be carried out in the Next ethical meeting.	Approved

Prasanna
11/2/19
V. Sathish
11/2/19

V. Sathish
11/2/19

Ponichandran
11/2/19

Keerthi
11/2/19

S. Nithya
11.2.19

Ramesh
11.2.19

A. Nandini
11/02/19

9	Protective role of hisperdin against methotrexate induced bone damage in rats. Dr. I. Somasundaram	XXII/VELS/PCOL/ 09/2000/CPCSEA/ /IAEC/11.02.19	30 Rats	24 Rats	Sacrifice only 3 rats and 3 rats to be rehabilitated in control group.	Approved
10	Study of Pharmacokinetics of carbamazepine and other marketed clonazepam formulations. Vaheeda Rahman	XXII/VELS/PCOL/ 10/2000/CPCSEA/ IAEC/11.02.2019	25 Rats	Nil		Not Approved Advised for resubmission of proposal in the next IAEC meeting.
11	Elucidating the antidiabetic effect of methanolic extract of the leaves of <i>Emebelia ribes</i> in high fat diet low dose streptozotocin induced type 2 diabetes mellitus in rats. L. Preethi	XXII/VELS/PCOL/ 11/2000/CPCSEA/ IAEC/11.02.2019	36 Rats	24 Rats		Approved
12	Burn wound healing potential of 4H-1-Benzopyran-4-one hydrogel in rats. Uppuluri Varuna Naga Venkata Arjun	XXII/VELS/PCOL/ 12/2000/CPCSEA/ IAEC/11.02.2019	40 Rats	30Rats		Approved
13	Burn wound healing potential of (6E,10E,14E,18E)-2,6,10,15,19,23-hexa methyl tetracos-2,6,10,14,18,22-hexane emulgel in rats. Kalai Selvan	XXII/VELS/PCOL/ 13/2000/CPCSEA/ IAEC/11.02.2019	40 Rats	30Rats		Approved
14	Study the dexamethasone induced apoptotic inflammatory pathway: Protective role of N-Acetylglucosamine in mice. Dr. V. Santhosh Kumar	XXII/VELS/PCOL/ 14/2000/CPCSEA/ IAEC/11.02.2019	24 Mice	24 Mice		Approved. The presenter abstained from the decision making meeting being the PI of the project and also the Member Secretary of IAEC.

[Signature]
11/2/19

[Signature]
11/2/19

[Signature]
11/2/19

[Signature]
11.2.19

[Signature]
11/2/19

[Signature]
11/2/19

[Signature]
11/2/19

[Signature]
11-2-19

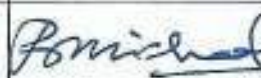
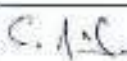
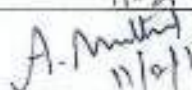
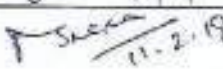

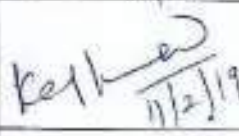
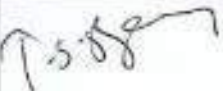
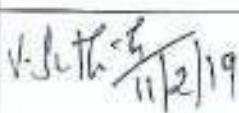
XXII INSTITUTIONAL ANIMAL ETHICS COMMITTEE MEETING

Date: 11.02.2019

Time: 10.30 AM

Venue: Conference Hall, School of Pharmaceutical Sciences,
Vels Institute of Science, Technology and Advanced Studies
(VISTAS), Pallavaram, Chennai, Tamil Nadu, India

Attendance Sheet

Name	Designation	Signature
Dr. R. Dinakaran Michael	Chairman, IAEC, VISTAS	
Dr. S. R. Srinivasan	CPCSEA Main Nominee	 11-2-19
Dr. A. Muthuvel	CPCSEA Link Nominee	 11/2/19
Dr. P. Sriram	CPCSEA Scientist from outside Institute	 11-2-19
Shri. M. Ravichandran	CPCSEA Socially Aware Nominee	- ABSENT -
Dr. P. Kanakaraj	Veterinarian	 11/2/19
Dr. K. G. Kripa	Scientist from different biological discipline	 11/2/19
Dr. T. S. Shanmugarajan	Scientist from different biological discipline	
Dr. V. Santhosh Kumar	Member Secretary and Scientist Incharge of Animal House Facility	 11/2/19

Government of India
Ministry of Health & Family Welfare
Directorate General of Health Services
Office of Drugs Controller General (India)
Central Drugs Standard Control Organization

**FDA Bhawan, Kotla Road,
New Delhi - 110 002, India**
Dated: 05/03/2018

To

**The Chairman
Ethics Committee
(VISTAS-SPS-IEC)
School of Pharmaceutical Sciences
VISTAS, Vels University, Pallavaram
Chennai-600117, Tamil Nadu, India**

Sub: Ethics Committee Registration No. **ECR/288/Indt/TN/2018** issued under Rule 122DD of the Drugs & Cosmetics Rules, 1945.

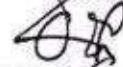
Sir/Madam,

Please refer to your application submitted to this Directorate for the Registration of Ethics Committee.

Your Ethics Committee is hereby registered under Rule 122DD vide Registration No. **ECR/288/Indt/TN/2018** with the following composition and all the condition mentioned under the Registration certificate issued to you.

Sr. No.	Name of member	Qualification	Role/Designation in Ethics Committee
1.	Dr. J. Anbu	Ph.D (Pharmacology)	Chairman
2.	Dr. M. Vijey Aanandhi	M.Pharm, Ph.D	Member Secretary
3.	Dr. V. Mohan Ram	MBBS, DA	Clinician
4.	Dr. T.N. Uma Maheswari	MDS, Ph.D	Clinician
5.	Dr. R. Geetha	MD (Pharmacology)	Basic Medical Scientist
6.	Mr. S. Ashok Kumar	MA, ML	Legal Expert
7.	Mrs. R.Uma Maheswari	Higher Secondary	Lay Person
8.	Dr. M. Thanilarasan	MA, M.Phil, Ph.D (Sociology)	Social Scientist
9.	Rev. J. David Gnana Prakasam	BA, BD	Theologian
10.	Dr. S. Sathesh Kumar	M.Pharm, Ph.D	Scientific Member
11.	Dr. R. Sangeetha	M.Sc., Ph.D	Scientific Member
12.	Prof. M. Sekar Babu	M.Pharm	Scientific Member
13.	Dr. V. Santhosh Kumar	M.Pharm, Ph.D	Scientific Member
14.	Mrs. M. Thilagam	Diploma in Nursing	Scientific Member

Yours faithfully,



(Dr. S. Eswar Reddy)

Drugs Controller General (I) & Licensing Authority

स्वास्थ्य सेवा महानिदेशालय
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
एफ.डी.ए. भवन, कोटला रोड, आई.टी.ओ.
नई दिल्ली-110002

PLAGIARISM CHECK



Mechanism for detecting plagiarism

In Vels Institute of Science, Technology and Advances Studies, the IQAC recommended the need of Turnitin Software that can be used for checking plagiarism. This tool has been in effective use during the past 3 years. The quantity and quality of research articles have also improved substantially. In the academic year 2018-2019, around 800 articles were checked for plagiarism, whereas in the next academic year close to 2500 articles were checked. With the growth in the number of articles checked for plagiarism, IQAC also observed an increase in number of articles with lesser similarity index as in Figure 2. Articles with similarity index less than 25% increased from 127 to 804. The IQAC also ensured that all research articles were checked for plagiarism before submitting the same to journals. The faculty and students send their article to the school and department Turnitin representatives for checking their similarity index. Corrections were made as per the report and papers were submitted only when the similarity report is less than 25 % thereby ensuring quality research articles. Similar to research articles, all the Ph.D. theses were checked for plagiarism and the report was endorsed by the IQAC Coordinator before submission. This ensures that the plagiarism is less than 10 % before the thesis enters into the Shodhganga Database.



Supplier Details: M/s TURNITINDIA EDUCATION PVT LTD MAX TOWERS, 16TH FLOOR, SECTOR 16-B, NOIDA, INDIA Phone: 917303764986 Supplier Reference No : E-MAIL QUOTE 24.2.21 Quotation Received : 24-Mar-2021 Contact Person : Mail : bguin@turnitin.com	P.O. No. : VELSPUR/Mar/20-21/00527 Date : 24-Mar-2021 Invoice To : VELSPUR INSTITUTE OF SCIENCE TECHNOLOGY AND ADVANCED STUDIES (VISTAS) Delivery At : Velan Nagar,P.V. Vaithiyalingam Road,Pallavaram Chennai 600 117
--	---

Sl No	Description	Delivery Period	Qty	Unit	Price /Unit[Rs.]	Discount	Tax /unit	Extra Charges	Total Price [Rs.]
1	TURNITIN PLAGIARISM SOFTWARE (Budget can be adjusted towards the IQAC Funds VALUE TAKEN IN US DOLLAR)	24-Mar-2021	1.00	Nos	5868.00	0.00	18.00	0.00	6924.24

Total Purchase Amount : 6,924.24

Terms and Conditions:	
Purchase Terms	THE VALUE OF 6924.24 IS IN US DOLLAR. EXCHANGE CONVERSION RATE CAN BE TAKEN AT THE TIME OF MAKING PAYMENT THROUGH WIRE TRANSFER.
Payment Terms	100% ADVANCE ON RECEIPT OF ORDER CONFIRMATION ALONG WITH PROFORMA INVOICE / ORIGINAL INVOICE.
P.O. Note	

Purchase Order Generated By: Sampath.S

Acknowledged By VELSPUR INSTITUTE OF SCIENCE TECHNOLOGY AND ADVANCED STUDIES (VISTAS)

Supplier Seal, Signature &

Authorised Signature & Date

Copy To IQAC DEPT.
ACCOUNTS DEPARTMENT

Report Date: 24-Mar-2021

Disclaimer: This is the computer generated and hence no signature is required.



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: Mar 26, 2021
Invoice No.: IND12001572
Purchase Order No.: VEL5-PUR/Mar/20-21/00527
Sales Order No.: SO954860
Due Date: Apr 10, 2021
Payment Terms: Net 15
Service Start: Feb 24, 2021
Service End: Feb 23, 2022

TAX INVOICE

Bill To	Billing Contact	Account Manager
GSTIN 33AAATV9804F1ZH Vels Institute of Science Technology And Advanced Studies, Chennai (VISTAS) Velan Nagar, P.V. Vaithiyalingam Road, Pallavaram Chennai 600 117 India Our Ref: CN-176933 101583	Dr. S. Arun e: arun.se@velsuniv.ac.in	Binay Guin e: bguin@turnitin.com f: 1-510-764-7612

Product Name	Product Description	Amount
Turnitin OC+	Turnitin Originality Check: includes Draft submissions, Grammar, and Integration for 2685 EUL's with a submission benchmark of 10069 Submissions	INR 430,007.04
	Subtotal	INR 430,007.04
	CGST - 0%	INR 0.00
	SGST - 0%	INR 0.00
	IGST - IN 18%	INR 77,401.27
	UTGST - 0%	INR 0.00
	Total	INR 507,408.31

USD\$: 6,924.24 = INR 507,408.31

Exchange Rate US \$1.00 = INR 73.28

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
--------------------------	--



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:	Mar 26, 2021
Invoice No.:	IND12001572
Purchase Order No.:	VELS-PUR/Mar/20-21/00527
Sales Order No.:	SO954860
Due Date:	Apr 10, 2021
Payment Terms:	Net 15
Service Start:	Feb 24, 2021
Service End:	Feb 23, 2022

Wire Instructions:	<ol style="list-style-type: none">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: CITIINBX2) 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
--------------------	---

**RESEARCH
ADVISORY
COMMITTEE**



VELS
UNIVERSITY
CHENNAI - INDIA



VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)
(Deemed to be University estd. U/a. 3 of the UGC Act. 1956)

PROCEEDINGS OF THE REGISTRAR, VELS UNIVERSITY, CHENNAI 600 117
PRESENT ; DR.R.MATHIALAGAN, M.Com., M.Phil.,Ph.D.

Dated : 22.10.2013

RC Ph.D./Sub-Com./BORS/342/ 2013

Sub : Sub-committee of Board of Research - Re-constituted – Orders – Issued.

ORDER

The Sub-Committee of the Board of Research, Vels University, Chennai constituted for the purpose of scrutinizing the applications received for Guideship from both External and Internal Faculty Members for recognition, has been ordered to be re-constituted with the following members of Vels University with immediate effect.

1. Dr.E.Gopinathan,
Dean, School of Engineering : Convener
2. Dr.Dinakaran Michael, UGC, Emeritus
Professor, School of Life Sciences : Member
3. Dr.M.Chandrasekaran,
Director, Dept. of Mechanical Engineering : Member
4. Dr.K.Rajagopal
HOD, Department of Biotechnology : Member
5. Dr.T.S..Shanmugarajan
Associate Professor,
School of Pharmaceutial Sciences : Special Member
(Nominated from CARD)


REGISTRAR

To

1. Dr.E.Gopinathan, Dean, School of Engineering
2. Dr.Dinakaran Michael, UGC Emeritus, Professor, School of Life Sciences
3. Dr.M.Chandrasekaran, Director, Dept. of Mechanical Engineering
4. Dr.K.Rajagopal, HOD, Department of Biotechnology
5. Dr.T.S..Shanmugarajan, Associate Professor, School of Pharmaceutial Sciences

Copy to :

- 1 .Dr.V.Ravichandiran, Director, School of Pharmaceutial Sciences
2. Dr.K.Anbudurai, Director, Research, IPR Cell

:r

9/10

Dean, Research
11/17/19

Vels Institute of Science, Technology & Advanced Studies (VISTAS) Minutes of the Meeting

Minutes of Sub-Committee of BoRS meeting held on 07/06/2019 at 11.00 AM in the office of Dean, School of Life Sciences. The following members attended the meeting:

Convener

Dr.R Dinakaran Michael, Dean, School of Life Sciences

Members

1. Dr.M.Chandrasekaran, Director, Dept. of Mechanical Engineering, Dean i/c (Academic Courses)
2. Dr.S.Vasanth, Professor, Department of Management, School of Management Studies.
3. Dr.T.S.Shanmugarajan, Professor, Department of Pharmaceutics, School of Pharmaceutical Sciences.
4. Dr.S.Arun, Associate Professor, Department of CSE, School of Engineering.
5. Dr.T.Somanathan, Associate Professor, Department of Chemistry, School of Basic Sciences.

To consider the applications received for guideship of Ph.D. in VISTAS by the office of Dean (Academic Research) till 10.05.2019.

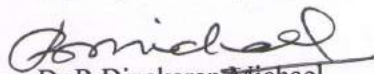
The members of the Committee scrutinized the applications received (Total:36) as per 'the Rules and Regulations for Ph.D 2018' and the resolutions are below:.


Resolved to recommend the following (Total 32) faculty members may be approved as Research Supervisors for Ph.D in various disciplines under VISTAS from June 2019 onwards:


S.No	Name of the Applicant	Faculty	Department
1.	Dr.A.A Jayashree Professor	Faculty of Languages	English
2.	Dr.G.Gayathri Associate Professor	Faculty of Science	Microbiology
3.	Dr.T.Kamalakaran Associate Professor / HOD	Faculty of Science	Computer Science
4.	Dr.K.Indira Assistant Professor	Faculty of Management Studies & Commerce	Commerce
5.	Dr.A.Shanmugaraj Associate Professor /Senior Scientist	Faculty of Science	Chemistry
6.	Dr.M.Vetrivel Associate Professor	Faculty of Management Studies & Commerce	Commerce
7.	Dr.V.Vijayalakshmi Associate Professor	Faculty of Management Studies & Commerce	Commerce
8.	Dr.V.Andal Associate Professor	Faculty of Management Studies & Commerce	Commerce
9.	Dr.A.S.Arunachalam Associate Professor	Faculty of Science	Computer Science
10.	Dr.S.Perumal Associate Professor	Faculty of Science	Computer Science
11.	Dr.G.Thailambal Associate Professor	Faculty of Science	Computer Science
12.	Dr.P.Govindasamy Assistant Professor	Faculty of Management Studies & Commerce	Management Studies


	Name of the Applicant	Faculty	Department
	Dr.S.Priya Darshini Assistant Professor	Faculty of Languages	English
14.	Dr.S.Ajith Arul Daniel, Assistant Professor	Faculty of Engineering	Mechanical Engineering
15.	Dr.R.Sridhar, Associate Professor	Faculty of Engineering	Mechanical Engineering
16.	Dr.M.Ruban Assistant Professor	Faculty of Engineering	Mechanical Engineering
17.	Dr.Mekhal.R.S Associate Professor	Faculty of Management Studies & Commerce	Management Studies
18.	Dr.P.Suganya Devi Associate Professor	Faculty of Management Studies & Commerce	Business Administration
19.	Dr.D.Anitha Kumari Associate Professor	Faculty of Management Studies & Commerce	Management Studies
20.	Dr.S.Jayalakshmi Professor	Faculty of Science	Computer Application
21.	Dr.K.Dharmarajan Associate Professor	Faculty of Science	Computer Science
22.	Dr.S.Kamalakkannan Associate Professor	Faculty of Science	Computer Science
23.	Dr.K.Sharmila Associate Professor	Faculty of Science	Computer Science
24.	Dr.K.Rohini Associate Professor	Faculty of Science	Computer Science
25.	Dr.R.Durga Assistant Professor	Faculty of Science	Computer Science
26.	Dr.S.Saradha Assistant Professor	Faculty of Science	Computer Science
27.	Dr.G.Suresh Assistant Professor	Faculty of Science	Physics
28.	Dr.M.Lakshmi Priya Assistant Professor	Faculty of Science	Physics
29.	Dr.G.Abirami Assistant Professor	Faculty of Science	Biotechnology
30.	Dr.S.B.Prabha Assistant Professor	Faculty of Engineering	Microbiology
31.	Dr.R.Padmasini Assistant Professor	Faculty of Science	Biochemistry
32.	Dr.Ravikumar Associate Professor	Faculty of Engineering	ECE


*Exempted from publication in Scopus indexed Journal for Education.



Dr.R Dinakaran Michael


Dr.M.Chandrasekaran


Dr.S.Vasantha


Dr.T.S.Shanmugarajan


Dr.S.Arun


Dr.T.Somanathan

Vels Institute of Science, Technology & Advanced Studies (VISTAS)
Minutes of the Meeting

Minutes of Sub-Committee of BoRS meeting held on 19//08/2019 at 11.00 AM in the office of Vice-Chancellor. The following members attended the meeting:

Convener

Dr.S.Sriman Narayanan, Pro-Vice-Chancellor, VISTAS.

Members

1. Dr.M.Chandrasekaran, Director, Dept. of Mechanical Engineering, Dean i/c (Academic Courses)
2. Dr.S.Vasantha, Professor, Department of Management, School of Management Studies.
3. Dr.T.S.Shanmugarajan, Professor, Department of Pharmaceutics, School of Pharmaceutical Sciences.
4. Dr.S.Arun, Associate Professor, Department of CSE, School of Engineering.
5. Dr.T.Somanathan, Associate Professor, Department of Chemistry, School of Basic Sciences.

To consider the applications received for guideship of Ph.D. in VISTAS by the office of Dean - Academic Research till 31.07.2019.

The members of the Committee scrutinized the applications received (Total:31) as per 'the Rules and Regulations for Ph.D 2018' and the resolutions are below:-

Resolved to recommend the following (Total 30) faculty members may be approved as Research Supervisors for Ph.D in various disciplines under VISTAS from July 2019 onwards:

S.No	Name of the Applicant	Faculty	Department
1	Dr.Sugantha Ezhil Mary Associate Professor	Faculty of Languages	English
2	Dr.V.Jaisre Associate Professor	Faculty of Languages	English
3	Dr.Keerthivasan.S Assistant Professor	Faculty of Languages	English
4	Dr.Senthamarai .T Associate Professor	Faculty of Languages	English
5	Dr.D.Vidhya Assistant Professor	Faculty of Science	Mathematics
6	Dr.Karpagavalli S.G	Faculty of Science	Mathematics
7	Dr.S.Senthamilselvi	Faculty of Science	Mathematics
8	Dr.R.Gandhimathi, Professor	Faculty of Pharmacy	Pharmacy
9	Komala.M, Professor	Faculty of Pharmacy	Pharmacy
10	Dr.Bhavya, Associate Professor	Faculty of Pharmacy	Pharmacy
11	Dr.P.Saranya Associate Professor	Faculty of Pharmacy	Pharmacy
12	Dr.R.Karthikha Sumathi Sre Assistant Professor	Faculty of Engineering	CSE
13.	Dr.V,Jayanthi	Faculty of Management	BBA

VAD
20/8/20


	Name of the Applicant	Faculty	Department
	Dr.K.Priyadarsini Assistant Professor	Faculty of Engineering	CSE
14	Dr.R.Rathna Assistant Professor	Faculty of Engineering	CSE
15	Dr.Ravi Bundela Assistant Professor	Faculty of LAW	LAW
16	Dr.P.Sri Jothi Associate Professor	Faculty of Science	Mass Communication
17	Dr.C.Shanthi Assistant Professor	Faculty of Science	Computer Science
18	*Dr.R.Jeyanthi Assistant Professor	Faculty of Education	Education
19	*Dr.Ambika Kameshwar	Faculty of Music & Fine Arts	Music & Fine Arts
20	Dr.G.V.Sri Ramakrishnan Assistant Professor	Faculty of Science	Computer Science
21	Dr.Rajarethima.E Assistant Professor	Faculty of Science	Economics
22	Dr.Ebenezer Abishek.B Assistant Professor	Faculty of Science <i>Engineering</i>	ECE
23	*Dr.Lalitha Santhanam	Faculty of Music & Fine Arts	Music & Fine Arts
24	*Dr.S.Karthiyayini Associate Professor	Faculty of Education	Education
25	Dr.M.S.Nidhya <i>AP</i>	Faculty of Science	Computer Science
26	Dr.N. Vijayakumari Assistant Professor	Faculty of Languages	English
27	Dr.M.Bhuvana Assistant Professor	Faculty of Management Studies & Commerce	Management Studies
28	*Dr.Vanathy Raghuraman	Faculty of Music & Fine Arts	Music & Fine Arts
29	*Dr.Shubha Ganesan	Faculty of Music & Fine Arts	Music & Fine Arts

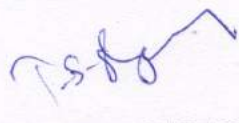
*Exempted from publication in Scopus indexed Journal for Education and Music & Fine Arts.

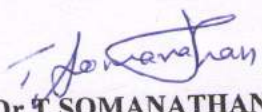

DR.S.SRIMAN NARAYANAN


Dr.M.CHANDRASEKARAN


Dr.S.ARUN


Dr.S.VASANTHA


Dr.T.S.SHANMUGARAJAN


Dr.T.SOMANATHAN