RESEARCH POLICY AND REGULATIONS

As per the UGC (Minimum Standards and Procedure for Award of Ph.D., Degree) Regulations, 2016
(Including Amendments in September, 2018)

The Regulations will be effective from 5th May 2016.
The students admitted from July, 2016 onwards will be governed under these regulations.

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KARPAGAM
ACADEMY OF HIGHER EDUCATION
(Deemed to be University)
(Established Under Section 3 of UGC Act, 1956)

Karpagam Academy of Higher Education
(Deemed to be University / Established Under Section 3 of UGC Act, 1956)
Pollachi Main Road, Eachanari Post,Coimbatore - 641 021, Tamil Nadu, India
info@kahedu.edu.in; www.kahedu.edu.in

RESEARCH POLICY AND REGULATIONS

1. Research Policy

i.   To provide conducive environment within which teaching faculty and students carry out their research with academic freedom in which individuals can pursue scholarly activities.

ii. To ensure high quality and transparent research.

iii. To formulate a set of research initiatives to support significant research activities.

iv. To ensure ethics in all research endeavors

2. Promotion of Research

i.   Research is given prime importance in Karpagam Academy of Higher Education. Faculty members are given encouragement to pursue their Ph.D., and are given incentive / annual increment once they complete the degree.

ii.   Faculty members are given credits for their publications while assessing for their career advancement.

iii. A Research Advisory Committee (RAC) has been constituted to formulate the rules, procedures and guidelines to ensure quality in research activities. The meeting of the RAC shall be conducted normally twice in a year.

iv.   Institute provides research fellowships to the full time Ph.D., scholars selected based on the merit.

v.   Institute provides seed money for research to the members of faculty.

vi.   Research Experts are invited for Interactions with the faculty members and students.

vii. On-duty leave granted to the faculty for attending Ph.D., course work Workshops, Conferences and Visiting Industry for meeting experts.

viii. Faculty members are provided with financial assistance towards Registration fee and TA/DA for attending conferences / seminars.

> # REGULATIONS FOR
> # Ph.D., FULL-TIME (FT) / PART-TIME (PT) RESEARCH

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> **REGULATIONS FOR**
> **Ph.D., FULL-TIME (FT) / PART-TIME (PT) RESEARCH**

1.0. Preamble

The Degree of Doctor of Philosophy (Ph.D.,) is awarded to a candidate who has submitted a thesis on the basis of original and independent research work done in any particular discipline or involving more than one discipline (inter-disciplinary), that make a contribution to the advancement of knowledge, which is approved by Board of Examiners as per the requirement.

2.0. Eligibility Criteria for admission to the Ph.D., Programme:

2.1 Candidates seeking admission to the Ph.D., Programme shall have a Master degree or a Professional degree declared equivalent to the Master degree with atleast 55% marks in aggregate or its equivalent grade 'B' in UGC 7point scale either under (10+2+3+2) or (11+1+3+2) or (10+3+2+2) pattern for the Faculty of Arts, Science, Humanities, Commerce and Management; (10+2+4+2) or (10+3+3+2) for Faculty of Engineering; (10+2+5+2) for Faculty of Architecture; and (10+2+4+2) for Faculty of Pharmacy. Integrated M.Tech., candidates are also eligible to register for Ph.D., in their subject concerned.

2.2 A relaxation of 5% of marks, from 55% to 50%, or equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC(non-creamy layer)/Differently-abled and for those who had obtained their Master's degree prior to September 1991.

2.3 Candidates who have obtained direct PG degree from an Open University are NOT eligible for admission to Research Programmes.

2.4 The candidate qualified through Distance Education may register for Ph.D but as per the recent Government norms they are not eligible to be the teaching faculty in Higher Educational Institutions.

2.5 The candidates working in organizations viz. Industries, Research and Educational Institutions around 200km radius are eligible to enroll for Part-Time (PT) Ph.D.,Programme and all the conditions mentioned in Ph.D., Regulations are met.

2.6 The Part Time research scholars have to report to the guide once in a month till they submit their Synopsis/Thesis.

3.0. Admission

3.1 Admission for Ph.D.,programme shall be made on half yearly basis viz. January and July. The admission shall be based on the criteria notified by the Institution, keeping in view the guidelines/norms issued by the UGC and other statutory bodies concerned and taking into account the reservation policy of the State Government and the number of vacancies available with each recognized guide of the Department concerned.

4.0. Selection Procedure

4.1 The candidates will be selected for admission to Ph.D.,programme based on the performance in the **Entrance Test** and **Interview** conducted to assess the aptitude of the candidate for research, subject to satisfying the eligibility conditions.

4.2 The candidates who have passed SLET/NET/JRF-CSIR/GATE/teacher fellowship holder / Rajiv Gandhi fellowship or similar fellowships in the subject concerned shall be exempted from Entrance Test. However, they have to attend the interview.

4.3 Once the candidate clears both test and interview, he/she will be given a Certificate to that effect which is valid for three consecutive years. As and when vacancy arises in the respective department he/she will be accommodated.

4.4 The Karpagam Academy of Higher Education shall maintain the list of all the Ph.D., registered students on its website year-wise. The list shall include the name of the registered candidate, topic of his/her research, name of his/her supervisor / co-supervisor and date of enrolment /registration.

4.5 The candidates selected for admission to the Ph.D.,programme shall be required to submit attested copy of the certificates with 3 passport size recent Photo. The original certificates brought during interview will be returned immediately after verification.

4.6 A candidate shall be qualifying in the Entrance Test for admission to Ph.D.,programme with qualifying marks of 50%. However, a relaxation of 5% of marks (from 50% to 45%) shall be allowed for the candidates belonging to SC/ST/OBC (Non- Creamy layers) as amended by UGC Ph.D., Regulations 2018.

4.7 Provided that for selection of candidates, a weightage of 70% to the entrance test and30% to the performance in the interview shall be given.

5.0 Eligible Degrees for Ph.D Registration:

Tamil:

முதுகலைத்தமிழ் / ஓலைச்சுவடியியல் / நாட்டுப்புறவியல் / நிகழ்த்துக்கலை / மொழியியல் / மொழிபெயர்ப்பியல் / ஒப்பிலக்கியம் / தமிழியல் / இதழியல் / தத்துவவியல் / சைவசித்தாந்தம் / வைணவதத்துவவியல் / கல்வெட்டியல் / தொல்லியல்

English:
M.A English / English Literature

Biochemistry:
M.Sc.Biochemistry / Microbiology / Biotechnology / Allied Health Sciences / Bioinformatics / Molecular Biology and other areas of life sciences.

Biotechnology:
M.Sc.,Biotechnology / Plant Biology and Biotechnology / Botany / Zoology / Environmental Science / Molecular Biology / Plant Molecular Biology and Biotechnology / Industrial / Biotechnology / Biochemistry / Microbiology / Microbial Biotechnology / Animal Biotechnology / Plant Biotechnology / Genomics and Synthetic Biology / Bioinformatics / Marine Biotechnology Marine Microbiology / Life Science

Chemistry

M.Sc Chemistry / Organic Chemistry / Industrial Chemistry / Analytical Chemistry / Applied Chemistry / Polymer Chemistry / Inorganic Chemistry / Physical Chemistry

Physics

M.Sc Physics / Material Science / Electronics / Nano Science

Microbiology

M.Sc Microbiology / Biotechnology / Botany / Molecular biology / Environmental Science / Medical Microbiology

Pharmacy

M.Pharm / Pharm.D

Mathematics

M.Sc., Mathematics / Statistics

Commerce

M.Com. Computer Applications / International Business / Finance and Computer Application / Finance and Accounting / Financial Technology / Corporate Secretaryship / Corporate Secretaryship with Computer Application / Finance / Foreign Trade / Human Resource Management / Marketing Finance and Taxation / Banking / Banking and Insurance / E-Commerce / Financial Management / Management / Taxation / Professional Programmes Chartered Accountancy (CA) / Company Secretary (CS) / Cost of Management Accountant (CMA)

Management

MBA (General) / Financial Management / Hospital Management / Export Management / Entrepreneurship / Financial Services / Human Resource Management / International Business Information System Management / Retail Management / Tourism and Hospitality Management / Investment Management / Marketing Management / Services Management / Project Management Technology Management / Aviation Management / Airline and Airport Management / Shipping and Port Management / Health Care Management / Shipping and Logistics Management / Logistics and Supply Chain Management / Customer Relationship Management / Costing and Financial Management / Disaster Management / Banking and Finance Management / Event Management / Material Management / Operations Management / Insurance and Risk Management / International Finance / Event Management / Integrated MBA / Executive MBA (2 years) / Post Graduate Diploma in Business Management or Administration awarded by Indian Institute of Management (IIMs) / from any AICTE / UGC approved institutions (2 years) / Professional Qualification such as CA (ICAI), ICWA

Computer Science

M.Sc Computer Science / Computer Technology / Computer Science and Technology / Artificial intelligence / Cyber security / Cloud Computing / Computer Communications / Data Science / Data Science and Business Analysis / Data Analytics / Information Technology / Information Science / Information Security and Digital Forensics / Machine Learning / Software Systems / Software Engineering / Software Technology & Management / Web Computing / MCA

Civil Engineering

ME or M Tech Structural Engineering / Civil Engineering / Geotech Engineering / Transportation Engineering Town and Country Planning / Hydraulic Engineering / Remote

Sensing / Environmental Engineering / Water Management / Water Resources & Environmental Engineering / Building Science and Technology / Infrastructure Engineering & Construction Management Building Construction and Technology / Structural Dynamics & Earthquake Engineering / Earthquake Engineering / Water Resources Engineering / Soil Engineering

CSE

ME or M Tech.CSE / IT / Data Science / AI&DS / Software Engineering / Computer Network Engineering / Computer Science and Information Security / Mobile and Pervasive Computing / Multimedia Technology / CSE with Specialization in Networks / Neural networks Embedded systems / Wireless networks / VLSI / Digital Image Processing.

ECE

M.E. VLSI Design / Applied Electronics / Communication Systems / Embedded Systems / Bio Medical Engineering / Medical Electronics / Robotics / Telecommunication Engineering / Wireless Communication / Communication & Networking / Data Analytics

Electrical and Electronics Engineering

M.E./ M. Tech./M.S. (By Research) in the relevant branch of Engineering or Technology
*M.Tech / M.E. / M.S. in Electrical / Electronics / Power Systems Engineering / Power Electronics / Power Electronics and Drives / Electrical Machines / Communications / Computer Science / VLSI Design / Embedded System Technologies / Applied Electronics/Energy Engineering / Instrumentation / Control Engineering / Microelectronics / Solid-state Technology / MEMS/Nano Science / Nano Technology/Material Science/Engineering Physics with minimum 60% of marks (or 6.5 grade point out of 10).

Mechanical Engineering

M.E / M.Tech. / M.S. (By Research) in the Mechanical Engineering Internal Combustion Engineering / Energy Engineering/Computer Integrated Manufacturing / Thermal Engineering Design / Aeronautical Engineering / Automobile Engineering / Industrial Engineering / Manufacturing Engineering / Mechatronics / Manufacturing Systems and Management / Quality Engineering Management / Computer Aided Design /Aerospace Technology/

Biotechnology Engineering

M.Tech, in Biotechnology.

6.0 Interdisciplinary Research

Candidates holding PG Degree are permitted to register for research programmes in interdisciplinary areas in various Departments related to the subject of study in their PG Degree and the degrees will be awarded in the field of Research and Interdisciplinary with the relevant core subjects obtained in the PG Degree. For instance, a M.Com., candidate who has done his Ph.D., in Management, the degree will be awarded as Ph.D., in Commerce (Inter disciplinary - Management)

7.0. Duration of the Programme

7.1   Ph.D.,Programme shall be for a minimum duration of three years for Full-Time and Four years for Part-Time including course work and a maximum of six years.

7.2   The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years for Ph.D., in the maximum duration. In addition, the women

candidates shall be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D., for upto 240 days.

7.3   In case of relocation of Ph.D., women scholar due to marriage or otherwise, with consent of the guide the research data shall be allowed to be transferred to the Institution to which the scholar intends to relocate provided all the other conditions in these regulations are followed in letter and spirit and the research work does not pertain to the project secured by the parent institution/ supervisor from any funding agency. The scholar will however give due credit to the parent guide and the institution for the part of research already done.

8.0 Conversion from Full-Time Ph.D to Part-Time Ph.D and Vice-versa
a. Eligibility for conversion from Full time to Part time
   i.   Conversion to Part time shall be entertained within a period of 12 months only from the date of registration
   ii. Ph.D. Programme Part time shall be for a minimum duration of four years and a maximum of six years.
   iii. The candidate must have completed minimum 2 years of teaching / research experience at the College / University level/Recognized Research Institute.
   iv. In case of professionals, they must have completed a minimum of 3 years of experience at the managerial level.
   v.   The candidates within 200 km radius are only eligible for Part-time Ph.D conversion
   vi. For conversion from Full time to Part time, NOC from Employer is Compulsory
   vii. Conversion of Part time to Full time and vice versa can be exercised only once during the entire duration of the programme
   viii. A conversion fee of Rs.2000/- has to be paid towards the conversion.

b. Eligibility for conversion from Part time to Full time
   i.   Conversion to Full time shall be entertained within a period of 12 months only from the date of registration
   ii. Ph.D.,Programme Full time shal l be for a minimum duration of three years and a maximum of five years
   iii. A conversion fee of Rs.2000/- has to be paid towards the conversion.

9.0. Modification of Topic
Modification of topic of research by the candidate is permitted. A fee of Rs.2000/- has to be paid for a change of topic of research. The time limit fixed for modification of topic of research in Ph.D., Programme is upto final DCM prior to submission of synopsis.

10.0 Language
The Ph.D., Part I course work and Part II synopsis / thesis must be written in English for subjects other than languages. In Astrology Ph.D., Thesis may be submitted in Tamil as a special case at the request of the candidate.

11.0.Eligibility criteria to be a Research Supervisor:
11.1(i) The faculty member who is applying for recognition as a Guide has to publish two research papers in the Scopus/Web of Science or UGC CARE journals after submission of thesis.
   (ii) The Research guide is permitted to Guide in his/her discipline only. Guidance in two disciplines, for instance Commerce and Management not permitted.
   (iii) Guideship can be given to a faculty by considering his parent department.

11.2   Only a full time teacher of the Karpagam Academy of Higher Education is permitted as a Supervisor. The external supervisors are not allowed. However, Co-Supervisor can be allowed in inter-disciplinary areas from other departments of the same institute or from other institutions with the approval of the Doctoral Committee.

11.3   A Research Supervisor who is a Professor, at any given point of time, can guide a maximum of 8 Ph.D., scholars only. An Associate Professor upto a maximum of 6 Ph.D., scholars and an Assistant Professor upto a maximum of 4 Ph.D., scholars.

12.0 Change of Guide

Transfer of Ph.D., scholars from one supervisor to another supervisor shall be permitted under the following conditions:
1. If the Supervisor resigns and leaves the institution.
2. If the Supervisor expresses unwillingness to guide the candidate
3. If the Scholar expresses his/her unwillingness to work under a specific Supervisor.
4. By mutual consent.
5. A fee of Rs.2000/- has to be paid towards the change of guide, if the change is requested by the scholar.

13.0 Doctoral Committee

There shall be a Doctoral Committee for every Ph.D., scholar to monitor the progress of his/her research work. For every scholar, the Supervisor shall furnish a Panel of three experts with doctoral qualification who have produced Ph.D., Candidates in the field of proposed research, from the other Academic Institutions / National Laboratories and any other research laboratories, from whom one will be nominated as a member. The Supervisor of the scholar shall be the convener of the Doctoral Committee. The co-guide, if applicable, shall also be a member. In the absence of Research Supervisor, the Co-guide can be the convenor of the Doctoral Committee. The Head of the Department concerned with Ph.D., qualification shall be an internal member. If the HOD is the Supervisor, the next senior faculty with Ph.D., Degree shall be the member. If a Doctoral Committee member is away from his/her place of work for a longer period, the Supervisor shall request for an alternate member from the Panel of experts submitted.

13.1 Functions of Doctoral Committee

(i)   To review the research proposal and finalize the topic of research;
(ii)   To guide the research scholar to develop the study design and methodology of research and identify the course(s) that he/she may have to do.
(iii)   To periodically review and assist in the progress of the research work of the research scholar.

The Doctoral Committee Meeting (DCM) shall be conducted once in six months for a research scholar in the Karpagam Academy of Higher Education campus. The scholar has to make a presentation in the DCM along with the supporting documents like observation note book / evidence of data collection etc.

The first Doctoral Committee meeting of a scholar which shall be conducted within one month from the date of registration shall decide the topic of research, work plan and the course work to be undertaken by the scholar. The Doctoral Committee shall also submit a Panel of three Experts from recognized institutes (other than Parent Institution) along with their CV for question paper setting and evaluation relating to Part –I Examinations.

The scholar shall be permitted for pre-submission presentation after recommended by the Final Doctoral Committee Meeting. The synopsis to be submitted only after the successful completion of pre-submission presentation. The time gap between the date of pre-submission and the date of submission of synopsis shall be atleast one month.

In case the progress of the research scholar is not satisfactory, the Doctoral Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to carry out those corrective measures, the Doctoral Committee may recommend to the Institution with specific reasons for the cancellation of his/her registration.

14.0 Submission of Progress Report:
Progress report is to be submitted every half-year period during the entire duration of Ph.D programme

15.0 Course of Study:
The course of study of Ph.D., programme consists of Part I Course work and Part II Research work.

15.1 Part I:Course Work
Course work comprises the following three theory papers.
Paper I   : Research Methodology and Pedagogy
Paper II   : Research and Publication Ethics
Paper III   : Special Paper (Research Area)

15.2   The course work shall be treated as a prerequisite for Ph.D., preparation. The credit assigned to the Ph.D., course work shall be 12 credits for Paper I on Research Methodology and Pedagogy a minimum of four credits shall be assigned which could cover areas such as quantitative methods, computer applications, research ethics and review of published research in the relevant field, training, field work, etc.

    Paper II Research and Publication Ethics shall cover areas such as Ethics and Paper III Special Paper or Area Paper carry 4 credits each. The total number of special papers in each discipline shall be 10.The candidate has to select one among the 10, in consultation with the guide.

15.3   The Department where the scholar pursues his/her research shall prescribe the course(s) or Special Paper to him/her based on the recommendations of the Doctoral Committee. The candidates shall have to attend classes for 60 contact hours for each paper and a minimum of 80 percent attendance is required to become eligible for the examination.

    The Full-Time scholar is required to write all the three courses within six months from the date of registration, but has to pass all the courses within a maximum of one and half years (three attempts). If the scholar fails to complete course work within one and half years (three attempts) his/her registration will stand automatically cancelled.

15.4   The Part-Time Candidates of Arts, Commerce & Management shall have to attend classes atleast a minimum of 30 days in a year and the Scholars of Science, Engineering and Pharmacy to meet their Guides atleast a minimum of 60 days in a year. The scholar is required to write all the three courses within one year from the date of registration, but has to pass all the courses within a maximum of two years (three attempts). If the scholar does not complete course work within two years (three attempts) his/her registration will stand automatically cancelled.

15.5   A Ph.D., scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale in the course work in order to be eligible to continue the programme and submit the dissertation/thesis.

15.6   The pattern of question paper for course work for Ph.D., programme shall be as given below

<div align="center">

PATTERN OF QUESTION PAPER
(COMMON FOR FASH/FoE/FoA/FoP)
(For Course Work in Ph.D.,Programme)
</div>

Part – A (5 X 7 = 35 marks - Answer any FIVE out of Seven)

Part – B (5 X 10 = 50 marks - Answer any FIVE out of Ten)

Part – C (1 X 15 = 15 marks - Compulsory Question)

15.7. Part II: Research Work
Upon satisfactory completion of course work and obtaining the marks/grade prescribed in above point No.14.5 Part I Course work i.e Ph.D., candidate has to obtain a minimum of 55% marks or its equivalent grade in UGC 7 point scale in course work, as the case may be, the Ph.D., scholar shall be required to undertake research work.

The Ph.D., candidates shall select an original research topic within the chosen area of research specialization. At the end of the minimum period of duration the candidates are eligible to submit the thesis.

16.0 Publication of Articles
Before sending the articles for publication, the article/manuscript is to be submitted to Scrutiny Committee for language and technical scrutiny with a fee of ₹300 per article. After publication, the candidate has to submit the copy of his/her article to the members of the Doctoral Committee.

16.1   Publication of a minimum of 2 articles is mandatory for submission of thesis.

16.2 Condition for submission of thesis:
It is Mandatory for the
(i) Ph.D., scholars to publish atleast Two research papers for submission of his/her Ph.D thesis, one may be in Scopus/Web of Science and the other in SCAE or SCI

(ii) To attend atleast Two Timeline Presentations and Two Annual Research Congress

17.0 Pre-Submission Presentation
The Pre-submission will be permitted only when the research scholar has either published his/her article or it has been accepted for publication provided the date of publication of the article is given in the acceptance letter for publication in an approved Journal. All the published papers by the scholar shall have name of the guide and Karpagam Academy of Higher Education. Papers without the name of the guide and Karpagam Academy of Higher Education will not be accounted. The Research Scholar should be one among the first two authors in the paper.

Prior to submission of the synopsis, the scholar shall make Pre-submission presentation and it is open to all faculty members and research students, and their feedback and comments if any may suitably be incorporated in the draft synopsis and thesis in consultation with Doctoral Committee. A notification may be issued to all the Departments regarding the same. The report in the prescribed format shall be forwarded by the Guide to the Director, Research on the same day along with the Certificate of bonafide research work done.

18.0. Plagiarism:

18.1   The research scholar has to submit his/her synopsis and thesis for checking plagiarism on payment of prescribed fee. If the percentage of plagiarism is more than 10% the thesis will not be accepted for submission. Same is the case for manuscripts and synopsis.

18.2   Further while submitting for evaluation, the thesis shall have an undertaking from the research scholar and a certificate from the Research Supervisor attesting the originality of the work, vouching that the plagiarism is less than 10% and that the work has not been submitted for the award of any other degree/diploma of the same Institution where the work was carried out, or any other Institution.

18.3   In any case if scholars has committed an act of plagiarism with more than 10%, his/her Thesis / degree shall be withdrawn and his / her registration shall be cancelled and also he / she shall be debarred to register for any other programme in the Karpagam Academy of Higher Education. Appropriate legal action shall also be initiated.

18.4   Guideship of the Supervisor will also be withdrawn.

19.0. Submission of Synopsis

The research scholar who has successfully completed the course work alone is eligible to submit the synopsis. He/she shall be permitted to submit the synopsis during the last quarter of the eligible minimum period on the recommendation of the Final Doctoral Committee Meeting and after Pre-submission Presentation. The research scholar shall submit five copies of synopsis with a soft copy of the Ph.D., work along with prescribed application through the Guide to the Controller of Examinations. Synopsis shall be accepted only when the Panel of Examiners is submitted to Controller of Examinations. In case the panel is exhausted, the Vice Chancellor can either call for a fresh panel of examiners from the Guide or nominate examiner(s).

19.1 Submission of thesis

Five copies of thesis with flexible cover along with soft copy (PDF format) shall be prepared in accordance with the format and specifications prescribed. Thesis shall be submitted together with the prescribed application form along with the prescribed fee, within three months from the date of submission of the synopsis.

All the Ph.D., scholars are encouraged to submit their thesis within the stipulated time period. However, for those candidates who have submitted synopsis but unable to submit the thesis within the stipulated period, an extension of three months will be allowed on payment of Rs. 2000/- as extension fee. If the candidate fails to submit within the extension period of three months, he / she has to pay full year fee for all the years till he / she submits the thesis.

20.0 Evaluation of the Thesis

20.1   The Ph.D., thesis submitted by a research scholar shall be evaluated by three externalexaminers, who are not in employment of the Institution, of whom one examiner may be from outside the country, second may be of outside Tamil Nadu and the third from Tamil Nadu Panel of Examiners submitted by the Supervisors/guide shall comprise of 4 Foreign Examiners not working on contract basis and 6 from India preferably one examiner from each state. It is preferable to suggest examiners not below the rank of a Associate Professor and working in State/Central and Deemed to be Universities.

20.2   The public *viva-voce* of the research scholar to defend the thesis shall be conducted only if the evaluation report(s) of the external examiner(s) on the thesis is/are satisfactory and include a specific recommendation for conducting the *viva-voce* examination. If one of the evaluation

reports of the external examiner of Ph.D., thesis, is not satisfactory and does not recommend *viva-voce*, the Institution shall send the thesis to another external examiner out of the approved panel of examiners and the *viva-voce* examination shall be held only if the report of the fourth examiner is satisfactory. If the report of the fourth examiner is also not satisfactory, the thesis shall be rejected and the research scholar shall be declared not eligible for the award of the degree.

20.3   Each member of the Board shall adjudicate the thesis and shall submit a detailed report as given in the prescribed form on the merits and demerits of the thesis and finally explicitly indicate whether the thesis is Recommended or Recommended for Resubmission or Not Recommended within a period of 90 days.

20.4   If the evaluation report from the examiner is not received within 90 days, another examiner will be appointed from the panel of examiners.

20.5   As soon as the reports of evaluation are received from the examiners by Controller of Examinations, they shall be sent to the Guide (Chairman) for consolidation of the reports.

20.6   If the examiners insist on corrections to be made in the thesis, the same shall be made before appearing for the Public viva-voce examination, along with a certificate as given below from the guide that the corrections have been satisfactorily carried out.

CERTIFICATE

This is to certify that all corrections, modifications suggested by the examiners of the thesis entitled, "…………………………………………………………………………..…..…..."submitted by Mr./Ms…………………………..…………. have been incorporated and resubmitted. The thesis may be accepted.

Signature of the Guide

20.7   In case of a thesis, which has not been specifically 'recommended' or 'not recommended' but revision and resubmission is suggested, the thesis shall be revised and the thesis duly certified by the Guide be sent to the same examiner who has suggested the revision for obtaining the recommendation.

20.8   The time-limit to resubmit the revised thesis, as per the suggestions for revision and resubmission of thesis by the examiner(s) shall not exceed twelve full months. A candidate shall not ordinarily be permitted to submit the thesis for the degree or to take the public viva-voce examination on more than two occasions.

20.9   The *viva-voce* shall be conducted by the Research Supervisor and atleast by one of the two external examiners, on the critiques given in the evaluation report. It is open to DC Members, all faculty members, research scholars and other interested experts/researchers.

20.10 Thefirst notification for Ph.D., viva-voce shall be issued only after the research guide of the candidate, receives the approval from the authorities to issue the first notice.

20.11 15 clear days' notice may be required to be given for issue of the second notification from the date of the first notification. Similarly, 15 clear days are required to be given for conducting the public viva-voce from the date of issue of the second notification.

20.12 The Guide shall fix the date and time of the viva-voce in consultation with the External Examiner and Head of the Department concerned. After conducting the public viva-voce, the Guide shall convey to the Controller of Examination, the result of such examination endorsed by the External Examiner along with list of participants, recommending for the award of Ph.D.,

20.13 A candidate who is not successful in the Public viva-voce may be permitted to undergo the Public viva-voce second time, within a period of three months but not before one month after the first viva-voce.

20.14 After the successful completion of viva-voce the candidate has to submit a soft copy of the approved thesis in PDF format for the purpose of uploading it in Shodhganga.

21.0 Award of the Degree

A candidate who has successfully completed the Public viva-voce shall be declared o have qualified for the award of Ph.D., degree of Karpagam Academy of Higher Education. Prior to actual award of the degree, provisional certificate shall be issued after approval by the Board of Management.

The Provisional Certificate shall have to clearly specify that the Ph.D., degree is awarded as per the UGC(Minimum Standards and Procedure for Award of Ph.D., Degree) Regulations 2016.

22.0. Cancellation of Registration

The registration of a research scholar shall stand cancelled if -

- The research scholar has not paid the prescribed fee within the stipulated time;
- The Full-Time candidate has not completed his course work within one and half years (three attempts) and Part-Time candidates within two years (three attempts)
- The progress report is not submitted consecutively or the progress reports are not satisfactory as decided by the Doctoral Committee;
- The maximum period stipulated for the programme exceeded; and
- The research scholar withdraws from the course voluntarily.

In all the above cases, the fees paid by the research scholar shall be forfeited. However such candidates may be permitted for fresh registration.

23.0. Publication of the thesis

The candidate may publish his/her thesis on the recommendation of the guide in the format as given below and after getting permission from the Karpagam Academy of Higher Education. At least ten copies of the published work should be given to the Karpagam Academy of Higher Education at free of cost Permission for publication of the thesis should be obtained within FIVE years of the award of the degree. All the publications arising out of the research work shall have the name of Karpagam Academy of Higher Education. Due credit shall be given to the Institution and Guide if any patent is filed out of the work undertaken during the period of research.

[CERTIFICATE]

This is to certify that the thesis entitled, "……………………………….………" submitted by Mr. / Ms. ………………………………… does not contain any objectionable material and is a record of original and independent research work done by him/her. Hence the thesis is fit for publication, if the candidate so desires.

Signature of the Guide

24.0. Conferment of the Degree

Candidates who qualify for the Ph.D., degree shall be awarded the degree in the discipline in which he/she has registered. In the case of interdisciplinary candidates the degree will be awarded in the name of the interdisciplinary subject and also the word "Interdisciplinary in Subject" shall be mentioned in the degree certificate along with the title of the thesis.

PREPARATION AND SUBMISSION OF THESIS

PREPARATION OF SYNOPSIS

Synopsis should outline the research problem, the methodology adopted and the summary of the findings. The synopsis should not exceed 10 pages from the first page to the last page including the List of Publications. The sequence in which the Synopsis should be arranged is as follows:

1. Cover Page and Title page (as shown in the Annexure I)
   (Page No.19 & Page No.20)
2. Text divided into suitable Headings (numbered consecutively)
3. References
4. List of Publications (those published / accepted for publication in Journals and papers presented in Conferences / Symposia)
5. Standard A4 size (297mm x 210mm) paper shall be used for preparing the copies.

Top edge: 30 mm	Bottom edge: 30 mm
Left side: 35 mm	Right side : 25 mm

The Synopsis should be prepared on good quality white bond paper preferably not lower than 80 gsm. One and a half spacing should be used for typing the general text. The general text shall be typed in Font Style Times New Roman and Font Size 12. All page numbers (Arabic numbers) should be typed without punctuation on the upper right hand corner. Synopsis should be bound using flexible cover of thick white art paper. The cover should be printed in black letters and the text for printing should be identical to what has been prescribed for the title page. References, if any cited in the text of the Synopsis, should be listed at the end of the Synopsis under the heading "REFERENCES" as per the following format:

REFERENCES

i. References cited from published research papers should be in the following format:
a. Single author
>   Wattenberg, L.W.,2008.Chemoprevention of cancer. Cancer Research., 45:1-8.

b. Two authors
>   Defendi, V. and B. Pearson, 2012. Quantitative estimation of succinic dehydrogenase activity in a single microscopic tissue section. Journal,Histochemistry, Cytochemistry, 3: 61-64.

c. More than two authors
>   Kristan K., M. Kotnik, M. Oblak and U.J. Urleb, 2009. New high throughput fluorimetricassayfor discovering inhibitors of UDP-N-acetylmuramyl-l-alanine: d-glutamate (MurD)lLigase.Biomol. Screen, 14 (4): 412-418.

ii. References cited from a published book
>   Vuković-Gačić, B. and D.Simić, 2010. Identification of natural antimutagens with modulatingeffects on DNA repair, In: Antimutagenesis and anticarcinogenesis mechanisms III (Eds. G.Bronzzeti, H. Hayatsu, S. De Flora, M.D. Waters and D.M. Shankel), Plenum Press, New York,269-277.

iii. References cited from approved Thesis / Dissertation

Ratnakar, P., 2012. Biochemical studies of *Allium sativum* Linn. (Garlic). Ph.D.,, Thesis, Delhi University. P. 87.

PREPARATION OF THESIS

A. General

In general, the Thesis shall be presented, in an organized and scholarly fashion, the original research work of the research scholar.

B. Size of Thesis

The size of the Thesis should not exceed 250 pages of typed matter reckoned from the first page of Chapter 1 to the last page of the Conclusion Chapter exclusive of tables, photographs, figures, references & appendices.

C. Sequence of the Contents of the Thesis

The sequence in which the Thesis material should be arranged is as follows:
   a. Cover Page and Title page (as shown in Annexure II) Page 21& Page 22
   b. Bonafide Certificate (as shown in Annexure III)
   c. Declaration and Certificate from the guide and co-guide (if any)(as shown in Annexure IV & V) Page 23 and Page24
   d. Acknowledgement
   e. Table of Contents
   f. List of Symbols and Abbreviations.
   g. Abstract
   h. Chapters
   i. References
   j. Appendices
   k. List of Publications- only title of the paper with ISSN and other details.

D. Page Dimensions and Margin

The dimensions of the final bound Thesis report (5 copies) should be 290 mm x 205mm.Page margins :Tables and Figures should conform to the margin specifications. Large sized figures may be as it is or otherwise reduced to the appropriate size before insertion.

E(i) - Bonafide Certificate

The Bonafide Certificate shall be typed in **double line spacing** using Font Style Times New Roman and Font Size 12 as per the format shown in Annexure III. The certificate shall carry the Supervisor's signature and shall be followed by the Supervisor's name, academic designation, department and full address of the institution where the Supervisor has guided the research scholar.

E(ii) - Acknowledgement

It should be brief and should not exceed two pages when typed in double spacing. The scholar's signature shall be made at the bottom right end above his / her name typed in capitals.

E(iii) - Table of Contents

The Table of contents should list all captions from items v to xi following it. The title page, Bonafide Certificate and Declaration Certificate will not find a place among the items listed in the Table of Contents but the page numbers must be typed in lower case Roman letters in all the pages (excepting No. i on the Title page). One and a half spacing should be adopted for typing the matter under Table of Contents.

E(iv) - List of Symbols and Abbreviations

One and a half spacing should be adopted for typing the matter under this head. Standard symbols, abbreviations, etc. should be used. The list should be arranged alphabetically with respect to the contents on the right side.

E(v) -Abstract

Abstract should be an essay type of narration not exceeding four pages outlining the research problem, methodology used for solving it and a summary of the findings. This shall be typed in double line spacing using Font Style Times New Roman and Font Size 12.

E(vi) -Chapters

The chapters may be broadly divided into Introduction, Review of Literature, Material and Methods, Results, Discussion, Summary and References.

a. Each chapter should be given an appropriate title.
b. Tables and Figures in a chapter should be placed in the immediate vicinity of the reference where they are cited.
c. Footnotes should be used sparingly. They should be typed single space and placed directly underneath in the very same page which refers to the material they annotate.

E(vii) -List of References

The listing of references cited in the text should be typed in single line spacing starting   from4 line spaces below the heading "REFERENCES". The reference material should be listed in the alphabetical order of the first author of each reference. The name of the author / authors should be immediately followed by the other details and year. The cited references in the Text should be listed "REFERENCES" as per the specified format:

E(viii) -Appendices

Appendices are provided to give supplementary information's relevant to the research work done by the candidate.

E(ix) -List of Publications

Reprints / Photostat copies of research papers already published / accepted for publication in Journals are to be attached in chronological orders and these pages need not be numbered. The heading "List of Publications" alone must find a place in the Table of Contents without page numbers for this item only.

E(x) -Tables and Figures

"Table" means tabulated numerical data in the body of the Thesis as well as in the appendices. All other non-verbal material used in the body of the Thesis and appendices such as charts, graphs, maps, photographs and diagrams may be designated as Figures.

a. A Table or Figure including caption should be accommodated within the prescribed margin limits and appear on the page following the page where their first reference is made.
b. Tables and Figures on half page or less in length may appear on the same page along with the text. However, they should be separated from the text both above and below by triple spacing.
c. All Tables and Figures should be prepared on the same paper or material used for the preparation of the rest of the Thesis.
d. Two or more small Tables or Figures may be grouped if necessary in a single page.
e. Wherever possible, the photograph(s) shall be reproduced on a full sheet of photographic paper or colour xerox.
f. More than one photograph can be included in a page.

g. Samples of Fabric, Leather, etc., if absolutely necessary may be attached evenly in a page and fixed/pasted suitably and should be treated as Figures.

F. TYPING INSTRUCTIONS

General

This section includes additional information for final typing of the Thesis. The impressions on the typed / photo-stated / printed copies should be black in colour.

A sub-heading at the bottom of a page must have atleast two full lines below it or else it should be carried over to the next page.

The last word of any page should not be split using a hyphen. One and a half spacing should be used for typing the general text. The general text shall be typed in Font Style Times New Roman and Font Size 12. Single spacing should be used for typing:

(i) Long Tables
(ii) Long quotations
(iii) Foot notes
(iv) Multiline captions
(v) References

All quotations exceeding one line should be typed in an indented space – the indentation being 15 mm from either side of the margin.

G(i) - Page Numbering

All page numbers (small case Roman numerals or Arabic numbers) should be typed without punctuation on the **upper right hand corner** 20 mm from the top with the last digit of the number in line with the right hand margin. The preliminary pages of the Thesis (such as Title page, Bonafide Certificate, Declaration and Certificate, Table of Contents, Acknowledgement, List of Symbols and Abbreviations and Abstracts) should be numbered in lower case Roman numerals. The Title page will be numbered as (i) but this should not be typed on the page. The page immediately following the Title page shall be numbered as (ii) and it should appear **at the top right hand corner** as already specified. Pages of main text, starting with Chapter 1 should be consecutively numbered using Arabic numerals.

G(ii) - Numbering of Chapters, Divisions and Sub-Divisions

The numbering of chapters, divisions and sub-divisions should be done using Arabic numerals only and further decimal notation should be used for numbering the divisions and sub-divisions within a chapter. For example, sub-division 4 under division 3 belonging to chapter 2 should be numbered as 2.3.4. The caption for the sub-division should immediately follow the number assigned to it.

Every chapter beginning with the first chapter should be serially numbered using Arabic numerals. Appendices, included if any, should also be numbered in an identical manner starting with Appendix 1.

G(iii) - Numbering of Tables and Figures

Tables and Figures appearing anywhere in the Thesis should bear appropriate numbers. The rule for assigning such numbers is illustrated by an example. Thus, if a Figure in Chapter 3, happens to be the fourth then assign 3.4 to that Figure. Identical rules apply for Tables except that the word Figure is replaced by the word Table. If Figures (or Tables) appear in appendices, then Figure 3 in Appendix 2 will be designated as Figure A 2.3. If a table is to be continued into the next page this may be done, but no line should be drawn underneath an unfinished Table. The

top line of the Table continued into the next page should, for example read Table 2.1 (continued) placed centrally and underlined.

G(iv) - Numbering of Equations

Equations appearing in each Chapter or Appendix should be numbered serially, the numbering should commence afresh for each Chapter or Appendix. Thus, for example, an equation appearing in Chapter 3, if it happens to be the eighth equation in that Chapter should be numbered as (3.8) thus (3.8) While referring to this equation in the body of the Thesis it should be referred to as Equation (3.8).

H. BINDING SPECIFICATIONS

Thesis should be bound with **black calico cloth** and using flexible cover of thick white art paper. The cover should be printed in black letters and the text for printing should be identical to what has been prescribed for the title page.

Soft copy of the Thesis (PDF format) written in CD (2 Nos.) should be submitted for Karpagam Academy of Higher Education archives.

Revision of Regulation
The Karpagam Academy of Higher Education may from time to time, amend the Regulations based on UGC Regulations Syllabi and Scheme of Examinations if found necessary.

TEMPLATE

ANNEXURE I

Specimen of Cover Page and Title Page
<Font Style Times New Roman>

ANTIOXIDANT ACTIVITY OF INDIAN MEDICINAL PLANTS FROM WESTERN GHATS
Font Size 18><1.5 line spacing>

SYNOPSIS
<Font Size 14>

Submitted by
<Font Size 14><Italic>

RAGHAVENDRA S A
<Font Size 16>

in partial fulfilment of the requirements for the award of the degree of
<Font Size 14><Italic><1.5 line spacing>

DOCTOR OF PHILOSOPHY
<Font Size 16>
IN
BIOTECHNOLOGY
<Font Size 14>

DEPARTMENT OF BIOTECHNOLOGY

KARPAGAM ACADEMY OF HIGHER EDUCATION
(Deemed to be University)
(Established Under Section 3 of UGC Act, 1956)
Pollachi Main Road, Eachanari Post – 641 021
Coimbatore, Tamil Nadu, India
<Font Size 16><1.5 line spacing>

July 2020
<Font Size 14>

ANTIOXIDANT ACTIVITY OF INDIAN MEDICINAL PLANTS FROM WESTERN GHATS

SYNOPSIS

Submitted by

RAGHAVENDRA S A

in partial fulfilment of the requirements for the

award of the degree of

DOCTOR OF PHILOSOPHY
IN
BIOTECHNOLOGY

Enable | Enlighten | Enrich

KARPAGAM
ACADEMY OF HIGHER EDUCATION
(Deemed to be University)
(Established Under Section 3 of UGC Act, 1956)

DEPARTMENT OF BIOTECHNOLOGY

KARPAGAM ACADEMY OF HIGHER EDUCATION
(Deemed to be University)
(Established Under Section 3 of UGC Act, 1956)
Pollachi Main Road, Eachanari Post – 641 021
Coimbatore, Tamil Nadu, India

July 2020

TEMPLATE

ANNEXURE II

Specimen of Cover Page and Title Page
<Font Style Times New Roman>

ANTIOXIDANT ACTIVITY OF INDIAN MEDICINAL PLANTS FROM WESTERN GHATS
<Font Size 18><1.5 line spacing>

THESIS
<Font Size 14>

Submitted by
<Font Size 14><Italic>

RAGHAVENDRA S A
<Font Size 16>

in partial fulfilment of the requirements for the award of the degree of
<Font Size 14><Italic><1.5 line spacing>

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(Established Under Section 3 of UGC Act, 1956)
Pollachi Main Road, Eachanari Post – 641 021
Coimbatore, Tamil Nadu, India

JULY 2020

ANNEXURE III

Specimen of Bonafide Certificate
<Font Style Times New Roman>

KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE-21
<Font Size 16>

BONAFIDE CERTIFICATE
<Font Size 14>

<Font Size 12>

Certified that this Thesis entitled **"ANTIOXIDANT ACTIVITY OF INDIAN MEDICINAL PLANTS FROM WESTERN GHATS"** is the bonafide work of Mr.RAGHAVENDRAS.A. who carried out the research under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion in this or any other scholar.

<<Signature of the Joint Supervisor>>   <<Signature of theSupervisor>>
        <<Name>>   <<Name>>
JOINT SUPERVISOR   SUPERVISOR
<<Designation & Address >>   <<Designation & Address >>
(If applicable)

ANNEXURE IV

Specimen of Declaration

<Font Style Times New Roman>

DECLARATION

<Font Size 16>

<Font Size 12>

I _____ hereby declare that the thesis entitled
" _____
_____ " submitted to the Karpagam Academy of Higher
Education, in partial fulfillment of the requirements for the award of the Degree of Doctor of
Philosophy in _____ is a record of bonafide
and independent research work done by me during the period from _____/_____/_____ to __-
___/_____/_____ under the supervision and guidance of
Dr._____, Department of _____ and
it has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or other
similar title to any candidate in Karpagam Academy of Higher Education so far.

Signature of the Candidate

ANNEXURE V

Specimen of Certificate

<Font Style Times New Roman>

CERTIFICATE

<Font Size 16>

<Font Size 12>

This is to certify that the thesis entitled "_____''
submitted to the Karpagam Academy of Higher Education, in partial fulfillment of the requirements for
the award of the Degree of Doctor of Philosophy in _____ is a
record of bonafide research work done by Mr. / Ms. _____
during the period from _____/_____/_____ to _____/_____/_____ of his / her study in the
Department of _____ at
_____ (Karpagam Academy of Higher
Education / Research Institute / _____) under my supervision and
guidance and the thesis has not formed the basis for the award of any Degree / Diploma / Associate
ship / Fellowship or other similar title to any candidate of Karpagam Academy of Higher Education so
far.

Countersigned
Head of the Department   **Signature of the Guide**

KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)
(Established Under Section 3 of UGC Act, 1956)

Pollachi Main Road, Eachanari Post, Coimbatore - 641 021, Tamil Nadu, India.
Phone: 0422 - 2980011- 14 | Fax : 0422 - 2980022 | Email : info@ kahedu.edu.in

R/Acad/Ph.D.,/2020/   Date:

To

All Head of the Departments / Research Guides / Research Scholars

PRE-SUBMISSION PRESENTATION OF RESEARCH REPORT - NOTIFICATION

I am by direction to inform you that a Pre-submission Presentation of the Ph.D., thesis is arranged for the candidate _____ whose research work is entitled "_____". A copy of the summary is   placed in the hall   for reference. All members of faculty, experts and all interested persons are requested to attend the aforesaid Pre-submission Presentation.

Venue   :

Date and Time: **Registrar**

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Phone: 0422 - 2980011- 14 | Fax: 0422 - 2980022 | Email : info@ kahedu.edu.in

FORMAT II

DEPARTMENT OF _____

Pre-submission Presentation Report

1. Name of the Research Scholar   :

2. Programme   :

3. Department (Subject)   :

4. Name, designation & Address
   of the Research Guide   :

5. Presentation date & Venue   :

6. Number of members present in
   the presentation
        (enclose the attendance sheet) :

7. Comments from the audience   :
   (additional sheets may be used)

8. Comments of the Guide   :
   (additional sheets may be used)

9. After the Pre-submission
   Presentation whether the scholar
   may be permitted to submit the synopsis :

Signature of the candidate   Signature of the Guide

Signature of the Head of the Department   Signature of the Dean

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Phone: 0422 - 2980011- 14 | Fax: 0422 - 2980022 | Email : info@ kahedu.edu.in

Pre-Submission Presentation
CERTIFICATE

Name &Regn. No. of the Scholar : _____

Subject : _____

Date of Pre-submission Presentation : _____/_____/_____

Certified that the above research scholar under my guidance has presented his/her research work during Pre-Submission Presentation and his/her presentation is _____

All the suggestions made by the participants are taken into consideration and important suggestions will be included in the thesis entitled, "_____"

Signature of the Guide

KARPAGAM ACADEMY OF HIGHER EDUCATION

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Phone: 0422 - 2980011- 14 | Fax: 0422 - 2980022 | Email : info@ kahedu.edu.in

SUBMISSION OF Ph. D. THESIS - CHECK LIST

1. Name of the scholar with Regn. No.   :   Session.:
  (Enclose a copy of Registration Communication)

2. Department   :

3 .(a) Whether the minimum period completed?   : Yes/No
  (b) If extension obtained, attach particulars   :

4. Whether course fee paid for all the years   : Yes/No
(Attach No Dues Certificate)

5. Details of the Part I Course work   : Completed/
(Enclose necessary documents)

6. Number of DC Meetings attended   :

7. Total No. of Half Yearly reports submitted   :

8. No. of Half Yearly Presentations made
                (Time Line Presentation)   :

9. No. of Annual Research Congress attended   :

10.No of Papers published by the scholar
        (Attach copies of reprints)   :

11. Whether submission of synopsis is recommended
    by the Doctoral Committee and date of DCM   :

12. Date of Pre-Submission Presentation made   :
    (Attach a certificate from the guide duly
    Countersigned by the HOD)

13. Date of Submission of Synopsis   :

14. Date of submission of Thesis   :

15. Recommendation for submission   :**Recommended / Not recommended**

Signature of the candidate   **Signature of the Guide**   **Signature of the HOD**

KARPAGAM ACADEMY OF HIGHER EDUCATION

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Phone: 0422 - 2980011- 14 | Fax : 0422 - 2980022 | Email : info@ kahedu.edu.in

HALF YEARLY PROGRESS REPORT OF RESEARCH SCHOLARS
(To be submitted once in six months)

1. Programme : Ph.D., FT/PT

2. Subject :

3. Name &Regn. No. of the scholar :

4. Title of Ph.D., Research work :

5. Report No./Month/Year :

No.	Month	Year

6. Brief report about the work carried

   out by the Research scholar :

   a. Paper/s published _____No.s(Attach copies)

   b. Seminars/Conferences attended _____(Attach certificate copies)

   c. Course work: Completed / Not Completed (Attach copy of Mark sheet)

   d. Course fee: Paid till _____ (copies of receipts)

7. Research Guide's Comment :

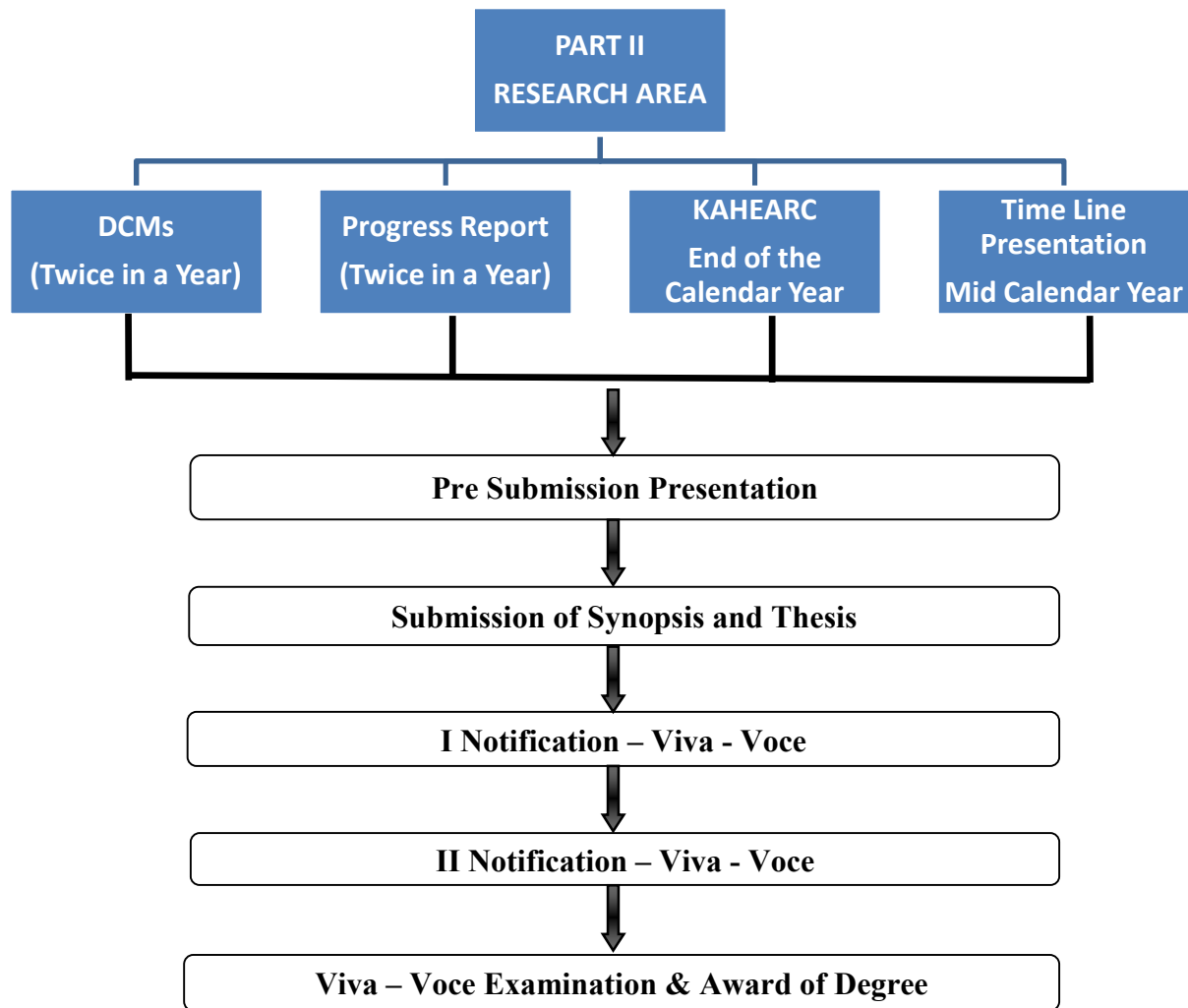Signature of the Scholar   Signature of the Guide
(with Name &address)   (with Name & address)
Mobile No.:   Mobile No.:
E-mail id: E-mail id:

PART II
RESEARCH AREA

| DCMs (Twice in a Year) | Progress Report (Twice in a Year) | KAHEARC End of the Calendar Year | Time Line Presentation Mid Calendar Year |

Pre Submission Presentation

Submission of Synopsis and Thesis

I Notification – Viva - Voce

II Notification – Viva - Voce

Viva – Voce Examination & Award of Degree

KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)
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Pollachi Main Road, Eachanari Post, Coimbatore - 641 021, Tamil Nadu, India.
Phone: 0422 - 2980011- 14 | Fax: 0422 - 2980022 | Email : info@ kahedu.edu.in

CERTIFICATE OF PLAGIARISM

Certified that the thesis entitled "_____" for the

award of Ph.D., degree has undergone Plagiarism check through Turnitin software and the level of

plagiarism is _____.

Signature of the Scholar

Signature of the Guide   Professor in- charge for Plagiarism Test

<div align="center">

PUBLICATIONS –TERMINOLOGY

</div>

1. IMPACT FACTOR

The Impact Factor of an academic journal is a measure which reflects the average number of citations to recent articles published in that Journal.

- It is a measure of the relative importance of a journal in a given field.
- It was devised by **Mr. Eugene Garfield**, the founder of the **Institute for Scientific Information.**
- Impact factor is calculated yearly starting from 1975 for those journals which are indexed in the **Journal Citation Reports.**
- Normally, the impact factor for 2008 is published in 2009.
- It is a journal metric and not to be used to assess an individual researcher or research institution.

Calculation

Example: If a Journal has an impact factor of 3 in the year 2008; it means that each paper published in that journal during the years 2006 and 2007 had received an average of 3 citations in 2008.

Let   A   =   The number of times that articles published in that journal in and 2007, were cited by articles in indexed journals during 2008.

       B   =   The total number of "citable items" (usually, articles, reviews and proceedings) published in that journal in 2006 and 2007.

$$\text{Then, Impact factor (in 2008)} = \frac{A}{B}$$

2. H-INDEX

The h-index is an index that attempts to measure both the productivity and impact of the published work of a scientist or scholar. The index is based on the set of the scientist's most cited papers and the number of citations that they have received in other publications. The index can also be applied to the productivity and impact of a group of scientists, such as a department or university or country, as well as a scholarly journal. The index was suggested by Jorge E. Hirsch, a physicist at UCSD (University of California, San Diego), as a tool for determining theoretical physicists' relative quality and is sometimes called the Hirsch index or Hirsch number. The h-index serves as an alternative to more traditional journal impact factor metrics in the evaluation of the impact of the work of a particular researcher.

3. SCOPUS

Scopus, officially named **SciVerse Scopus**, is a bibliographic database containing abstracts and citations for academic journal articles. It covers nearly 20,500 titles from over 5,000 international publishers, of which 19,500 are peer-reviewed journals in the scientific, technical, medical, and social sciences (including arts and humanities). It is owned by **Elsevier** and is available online by

subscription.Since Elsevier is the owner of Scopus, and is also one of the main international publishers of scientific journals, Elsevier established the independent and international Scopus Content Selection and Advisory Board to prevent a potential conflict of interest in the choice of the periodicals to be included in the database and to maintain an open and transparent content coverage policy. The board consists of scientists and subject librarians from all scientific disciplines and geographical areas, whose interest is to access any relevant information regardless of the publishers.

SciVerse

SciVerse is a platform for accessing scientific information from certain databases and the web. It is published by **Elsevier**. It provides access to 2,500 journals and 11,000 books with about 500 thousand additions each year.

"Sciverse" globally indexes articles, books, theses, abstracts, patents and sifts through web

results, from publishers, universities and professional organizations.

4. INTERNATIONAL STANDARD SERIAL NUMBER

An **International Standard Serial Number (ISSN)** is a unique eight-digit number used to identify a print or electronic periodical publication. Periodicals published in both print and electronic form may have two ISSNs, a **print ISSN (p-ISSN)** and an **electronic ISSN**

(**e-ISSN** or **eISSN**). The ISSN system was first drafted as an ISO international standard in 1971 and published as ISO 3297 in 1975. The ISO subcommittee is responsible for the standard.

Code format

The format of the ISSN is an eight-digit number, divided by a hyphen into two four-digit numbers. The last digit, which may be 0–9 or an X, is a check digit. The ISSN of the journal Hearing Research, for example, is 0378-5955, the check digit is 5.

Code assignment

ISSN codes are assigned by a network of ISSN National Centres, usually located at national libraries and coordinated by the ISSN International Centre based in Paris. The International Centre is an intergovernmental organization created in 1974 through an agreement between UNESCO and the French government. The International Centre maintains a database of all ISSNs assigned worldwide, the ISSN Register.

Availability

The ISSN Register is not freely available for interrogation on the web but is available by subscription. There are several routes to the identification and verification of ISSN codes for the general public.

- the print version of a periodical typically will include the ISSN code as part of the publication information
- most periodical websites contain ISSN code information

- derivative lists of publications will often contain ISSN codes; these can be found through on-line searches with the ISSN code itself or periodical title.

5. PEER REVIEW

Peer review is the evaluation of work by one or more people of similar competence to the producers of the work (peers). It constitutes a form of self-regulation by qualified members of a profession within the relevant field. Peer review methods are employed to maintain standards of quality, improve performance, and provide credibility. In academia peer review is often used to determine an academic paper's suitability for publication.

Professional peer review

Professional peer review focuses on the performance of professionals, with a view of improving quality, upholding standards, or providing certification. Professional peer review activity is widespread in the field of health care, where it is best termed as **Clinical peer review**.

Scholarly peer review

Scholarly peer review (also known as **refereeing**) is the process of subjecting an author's scholarly work, research, or ideas to the scrutiny of others who are experts in the same field, before a paper describing this work is published in a journal. The work may be accepted, considered acceptable with revisions, or rejected. Peer review requires a community of experts in a given (and often narrowly defined) field, who are qualified and able to perform impartial review

6. WEB OF SCIENCE

Single research destination to explore the citation universe across subjects and around the world. Web of Science provides access to the most reliable, integrated, multidisciplinary research connected through linked content citation metrics from multiple sources within a single interface. Since Web of Science adheres to a strict evaluation process, one can be assured only the most influential, relevant, and credible information is included - allowing to uncover next big idea faster.

7. SCIENCE CITATION INDEX

- The Science Citation Index (SCI) is a citation index originally produced by the Institute for Scientific Information (ISI) and created by Eugene Garfield and was officially launched in 1964. The larger version (Science Citation Index Expanded) covers more than 8,500 notable and significant journals, across 150 disciplines, from 1900 to the present. These are alternatively described as the world's leading journals of Science and Technology, because of a rigorous selection process.
- The index is made available online through different platforms, such as the Web of Science and SciSearch.

8. INTERNATIONAL STANDARD BOOK NUMBER

The **International Standard Book Number (ISBN)** is a unique numeric commercial bookidentifier based upon the 9-digit **Standard Book Numbering (SBN)** code created by Gordon Foster, Emeritus Professor of Statistics at Trinity College, Dublin, for the booksellers and stationers. The 10-digit ISBN format was developed by the International Organization for Standardization (ISO) and was published in 1970 as International Standard ISO. ISO has appointed the International ISBN Agency as the registration authority for ISBN worldwide and the ISBN Standard is developed under the control of ISO Technical Committee.

ISBN issuance

International Standard Book Numbers issuance is country-specific, in that ISBNs are issued by the ISBN Registration Agency that is responsible for that country or territory. The ranges of ISBNs assigned to any particular country are based on the publishing profile of the country concerned.

KARPAGAM ACADEMY OF HIGHER EDUCATION
Pollachi Main Road, Eachanari Post, Coimbatore-641 021.

Ph.D., PART-TIME REGULATION
(Effective from 2020 January Batch)

1. Eligibility for admission to Part-time Ph.D.,
   i. The candidate must have completed minimum 2 years of teaching / research experience at the College / University level / Recognized Research Institute.
   ii. In case of professional, they must have completed a minimum of 3 years of experience at the managerial level.
   iii. The candidates within 200 km radius are only eligible for Part-time Ph.D., registration.

2. Duration
   The minimum duration for Ph.D., Part-time candidates is four years and a maximum period is six years.

3. Course work
   The Scholar is required to write all the three courses at the end of the first year from the date of registration but has to pass all the courses within a maximum of two years. If the scholar does not complete course within two years, his / her registration will stand automatically cancelled.

   The Scholar shall attend minimum of 30 hours class for Course work.

4. It is mandatory for the Part –time candidates
   i. of Arts, Commerce & Management to meet their Guides atleast a minimum of 30 days in a year and the Scholars of Science, Engineering and Pharmacy to meet their Guides atleast a minimum of 60 days in a year.
   ii. to participate in Time-line Presentation and Annual Research Congress every year. In case of failure, the period of submission of thesis will be extended for a further period of six months.
   iii. Must have published two research articles in SCOPUS Indexed Journal in Arts, Commerce and Management & Web of Science in Science, Engineering and Pharmacy.

   The candidate must submit his / her thesis within a maximum of 6 years, failing which his / her registration stands automatically cancelled.

   As and when any amendments made in the UGC Regulations, that would also be applicable.

UNDERTAKING BY THE SCHOLAR

   I, _____ hereby state that I have fully read and understood the above regulations and agree to abide by those regulations. In case of any violation I agree for the cancellation of my registration.

(Signature of the candidate)

Date: