

**Proforma for Submission of Information by Universities /  
Institutions deemed to be Universities with regard to M.Phil /  
Ph.D. Programmes**

**Proforma for submission of information by Universities / Institutions Deemed to be Universities with regard to M.Phil / Ph.D programmes**

1. Name and Address of the University/Institution  
Deemed to be University

(i) Main Campus : **B.S. Abdur Rahman Institute of Science & Technology  
Seethakathi Estate, Vandalur, Chennai – 600 048,  
Tamil nadu, India**

(ii) Off-Campuses (if any): **NIL**

2. Whether M.Phil and Ph.D programmes are offered by  
the university through Distance Mode

Yes

No

**Part 1: Conformity to UGC Regulation**

3. Whether the UGC (Minimum Standards for Award of M.Phil/Ph.D Degree) Regulation, 2009  
is being followed in respect of:

**(A) Procedure for Admission in the year 2012-13**

**YES**

**(i)** When did you issue the advertisement for  
Admission into M.Phil/Ph.D program

<b>July 2012 session</b>	<b>Date</b>		<b>Month</b>		<b>Year</b>	
University website	2	0	0	4	1	2
News papers	1	5	0	5	1	2

<b>January 2013 session</b>	<b>Date</b>		<b>Month</b>		<b>Year</b>	
University website	0	9	1	0	1	2
News papers	0	8	1	1	1	2

**(ii)** Date of the Entrance Test, if conducted  
by the institution

<b>Session</b>	<b>Date</b>		<b>Month</b>		<b>Year</b>	
<b>July 2012</b>	1	1	0	6	1	2
<b>January 2013</b>	2	0	1	2	1	2

**(iii) Mode of Advertisement**

- Through Website ([www.bsauniv.ac.in](http://www.bsauniv.ac.in))
- Publication in Newspapers
  - National - The Hindu, Times of India, Indian Express
  - Regional - Dinamani, Dinathanthi, Dinakaran
- Any other (Please specify)
  - by issuing circular inside the campus to give wide publicity through our faculty members, students and research scholars
  - Through our Alumni website

**(iv) No. of Seats for admission notified in the Advertisement**

**YES (= 35 + 35)**

**Note:** There are 90 approved research supervisors, who are all full time regular faculty members of B.S. Abdur Rahman University. Therefore, 90 X 8 = 720 vacancies are available. As on date, 285 research scholars are on rolls. Hence, every session based on the department proposal, no. of seats for admission will be notified in the website advertisement.

(discipline wise)

**(v) Number of candidates appeared in the Entrance Test**

	<b>July 2012</b>	<b>January 2013</b>
<b>No. of candidates applied</b>	102	133
<b>No. of candidates Eligible for Entrance Test</b>	77	124
<b>No. of candidates appeared for Entrance Test</b>	67	96

**(vi) Date of interview of the candidates, if any**

<b>Session</b>	<b>Date</b>		<b>Month</b>		<b>Year</b>	
<b>July 2012</b>	1	1	0	6	1	2
<b>January 2013</b>	2	0	1	2	1	2

**(vii) Number of candidates shortlisted/ appeared for the interview**

<b>Session</b>	<b>No.</b>
July '12 Session	– 67
January '13 Session	– 96

(viii) No. of Students admitted to Ph.D without obtaining M.Phil.

**Session**                      **No.**  
 July '12 Session        - 10

Note: Most of the Ph.D. programmes are offered in Engineering. Hence, there is no need for M.Phil degree.

January '13 Session - 25

(ix) Of the admitted students, no. of students who have done their Masters/M.Phil from the same university

July '12 Session	- NIL
January '13 Session	- NIL

(x) Number of candidates registered who belong to

Session	GEN	SC	ST	OBC	PH	Total
July 2012	3	1	0	17	-	21
January 2013	8	4	0	23	-	35
<b>Total</b>	11	5	0	40	-	56

(xi) Number of girls and boys registered for M.Phil / Ph.D.

For July 2012 session

Girls	Boys
5	16

For January 2013 session

Girls	Boys
10	25

(xii) The number of seats for M.Phil/ Ph.D are decided well in advance and notified in the university website or advertisement

Yes       No

(xiii) Number of candidates who carry out coursework inside or outside the university / institution for which credits are given

Within University	In association with other University
34	5 (IIT Madras, Anna University etc)

*(B) Eligibility Criteria for M.Phil/Ph.D Supervisor*

- (i) Whether criteria is laid-down by the University for the faculty to be recognised as Research Supervisor (if yes, a copy of the criteria may be enclosed) **Yes**  **No**
- (ii) Whether the number of research scholars attached to a Research Supervisor is as per the Regulation **Yes**  **No**

*(C) Allocation of Research Supervisor*

**Yes**

How is the Research Supervisor identified

Taking into account, the scholar's proposed area of research & the supervisor's specialization, the Department Selection Committee after interview recommend the supervisor's name for each candidate and after scrutiny by the Research Board, the Vice Chancellor accords approval both for the selection of candidates and allocation of supervisors.

*(D) Course Work*

**Yes**

No. of semesters set aside for course work (in case requirements other than course work are followed may please specify):

For Full Time – 3 Semesters
For Part Time – 4 Semesters

Candidates with the M.Phil. degree in the Faculty of Science and Humanities are exempted from the prescribed course work, if the M.Phil. Degree is related to the proposed Ph.D. field of research and if it is duly recommended by the Doctoral Committee.

*(E) Evaluation and Assessment*

- (i) Whether the candidate is allowed to take up actual research work for M.Phil / Ph.D only after successful completion of the course work      Yes       No
- (ii) Whether prior to submission of thesis, a presentation open to all is prescribed      Yes       No
- (iii) Whether the candidate is mandated to publish one research paper in a refereed journal before submission of thesis      Yes       No

Note: The synopsis shall be accepted only when the research scholar has at least two papers either published or accepted for publication in a refereed / reputed national / international journal, preferably with Impact Factor awarded by agencies like Scopus / Thomson Reuters / Web of Science etc.

- (iv) Whether the evaluation of the thesis is done by at least two experts, with at least from outside the state or from outside the country      Yes       No
- (v) Whether student undergoes viva voce examination and an open defence of the thesis      Yes       No
- (vi) No. of publications in refereed journals by students registered for Ph.D programme before submission of thesis

(\* After July 2012, this has been modified as TWO.)

- (vii) No. of students awarded Ph.D degrees in the last two years

*(F) Depository with the UGC*

- (i) Whether the list of the M.Phil and Ph.D students currently enrolled with the University is posted on the university's website along with name of scholar, title of research, name of the department and name of research guide?      Yes       No

- (ii) Whether soft (electronic) copy of M.Phil and Ph.D theses has been submitted to the UGC/INFLIBNET (if yes, please give details of M.Phil and Ph.D theses submitted to the UGC along with the date of submission

Yes  No

S. No.	Name of the Candidate	Date of Viva voce examination	Thesis submitted to the UGC/INFLIBNET			Journal in which the paper of the Ph.D student was published
			M.Phil	Ph.D	Date of Submission	
01	Mr. Ch. Sasidhar Rao	24.05.2011	✓	--	22.02.2012	Not applicable
02	Ms. N. Narmadha	24.05.2011	✓	--	22.02.2012	Not applicable
03.	Ms. S. Zeenathunisa	21.10.2011	✓	--	22.02.2012	Not applicable
04.	Ms. K. Jannathul Birtous	26.12.2011	✓	--	22.02.2012	Not applicable
05.	Mr. P. Magesh Babu	10.09.2011	✓	--	22.02.2012	Not applicable
06.	Ms. N. Indushri	15.03.2012	✓	--	20.03.2012	Not applicable
07.	Ms. J. Aruna	20.03.2013	✓	--	22.03.2013	Not applicable
08.	Ms. P. Megala	21.03.2013	✓	--	22.03.2013	Not applicable
09.	Ms. K. Praneetha	19.03.2013	✓	--	22.03.2013	Not applicable
10.	Ms. P. Maheswari	20.03.2013	✓	--	22.03.2013	Not applicable
11.	Ms. Kaleel Nisha	04.02.2013	✓	--	20.02.2013	Not applicable
12.	Ms. F. Rashida	11.01.2013	✓	--	22.01.2013	Not applicable

**Part 2: Data on M.Phil/Ph.D Programmes**

4. Please submit year-wise list of the M.Phil and Ph.D students enrolled in the University along with the name of the scholar, name of the programme, department, title of research, name and academic qualification of the research supervisor and the employment details of the research supervisor (guide) for the last three academic years i.e. 2010-11, 2011-12 and 2012-13 (Provide information separately year-wise in the following format).

For the year \_\_\_\_\_

----- Enclosed separately -----

S. No.	Name of the student	Programme M.Phil/Ph.D	Department	Title/Topic Research	Name and Academic Qualifications of the Research Supervisor	Whether Research Supervisor is a /ad-hoc/temporary/visiting faculty



Dr. V.M. Periasamy  
REGISTRAR

**B.S.ABDUR RAHMAN  
UNIVERSITY**

B.S.ABDUR RAHMAN INSTITUTE OF SCIENCE & TECHNOLOGY  
(Estd. u/s 3 of the UGC Act, 1956)  
A Muslim Minority Institution  
(Formerly B.S.ABDUR RAHMAN CRESCENT ENGINEERING COLLEGE)



Lr. No.311 / Dean (AR) / 2013

Date: 15.05.2013

To  
Dr. Akilesh Gupta,  
Secretary,  
University Grants Commission,  
Bahadurshah Zafar Marg,  
New Delhi 110 002

Sir,

**Sub :** A Report on Research Programmes offered by  
B.S.Abdur Rahman University - Reg.

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**Ref :** Chairman UGC's letter No: DO No.1-4/2013(CM) dated  
April 26, 2013

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Greetings from B.S.Abdur Rahman University.

B.S. Abdur Rahman University has been established under section 3 of the UGC Act by conferring the Deemed to be University status to the erstwhile B.S. Abdur Rahman Crescent Engineering College, after 25 years of providing quality higher education in Engineering and Technology. All the programmes (both UG & PG) offered in the B.S Abdur Rahman Engineering College were accredited by National Board of Accreditation (NBA) and again we have applied for reaccreditation.

In addition to the academic programmes, research programmes viz., Ph.D./M.Phil./M.Tech.(By Research) are offered. After becoming University greater emphasis is given to the quality of research work that is being carried out. Accordingly, the UGC minimum standards and procedure for the award of Ph.D./M.Phil./M.Tech.(By Research) degree, Regulations 2009 is being followed in letter and spirit, right from the inception of the University.

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In response to your letter cited, we wish to inform you that even at the time of forming the University, we have framed regulations for all the three research programmes viz., Ph.D./M.Phil./M.Tech..(By Research). These regulations were scrutinized by the Research Board of the University and finally approved by Academic Council and the Board of Management. All the points spelt out by UGC in the Minimum Standards and Procedure for Awards of Ph.D./M.Phil. Regulations, 2009 have been incorporated in our regulations. The Proforma for submission of information by Universities / Institutions Deemed to be Universities with regard to M.Phil / Ph.D programmes is enclosed as an Annexure – I. A copy of the Regulations is enclosed along with this letter for your reference (Annexure II, III & IV).

However, we would like to highlight the salient points briefly as detailed below for your attention.

- i. As per Regulations Clause 7.0 of Ph.D. Regulations, the external expert members are not permitted to act as Supervisors for the research of the scholars of B.S.Abdur Rahman University. As on date we have more than 90 faculty members who are Ph.D. holders who have been approved as supervisors and they only guide our research scholars.
- ii. We do not offer any research programs through Distance Education Mode. All our research programmes are offered either in Full Time or in Part Time mode only in our campus at Chennai.





- iii. Our University has laid clear cut guidelines for recognizing our faculty as Research Supervisor(s). Infact, there is a specific clause in our Regulations to this effect (Clause No. 7.1 to 7.4)
- iv. As per our regulations 2009, vide clause 9, a supervisor is eligible to guide up to a maximum of 8 research scholars for Ph.D. at any time.
- v. Admission of scholars for the research programmes are conducted twice in a year [during January and July]. An advertisement is released in leading newspapers and in the University Website inviting applications for admission into research programme.
- vi. The detailed selection process for admission into Ph.D./M.Phil./M.Tech.(By Research) programme are given in Annexure V, VI & VII.
- vii. Admission to the Research Programme is always made through an entrance test, followed by an interview, as per UGC Guidelines. Before that, the Department Selection Committee scrutinize the applications and based on their recommendation only, call letters are sent to the candidates to appear for Entrance Test and Interview. The Department Selection Committee takes into account the performance in the test and in the oral interview of the research scholar and also allocates a supervisor for the scholar.





- viii. A minimum of 4 courses with a minimum of three credits each, including one course on "Research Methodology" and other three relevant courses in the area of research have to be undertaken by the Research Scholars and the same is prescribed by the Doctoral Committee, constituted for each Ph.D. candidate. The course on "Research Methodology" is a mandatory course, among the four courses prescribed by the Doctoral Committee.
- ix. The list of approved Supervisors of B.S. Abdur Rahman University, (Department-wise) is enclosed for your perusal (Annexure VIII). The list of approved Supervisors is also displayed in our University website ([www.bsauniv.ac.in](http://www.bsauniv.ac.in))
- x. The list of research scholars enrolled for the various research programmes of this University (year-wise) is also furnished in the given proforma (Part 2: Data on M.Phil. / Ph.D. Programmes). The list is also displayed in our Website.
- xi. The information about the list of approved supervisors and the list of research scholars are periodically updated and posted in the University website.
- xii. At the time of admission, the research scholars are given a copy of the Regulations book and Roll cum Registration number (RRN). The candidates are informed about the selection procedure well in advance and this is in line with the UGC Regulations 2009.





- xiii. The provisional registration of the scholar is confirmed only after completion of the prescribed course works and through a comprehensive written and oral examination (clause 15.1 to 15.3).
- xiv. As per our regulations, clause 18.2, a Ph.D. Scholar has to publish a paper based on his/her research work in a refereed journal with impact factor to be eligible to submit synopsis. (It is revised as two papers, starting from July 2012)
- xv. Our evaluation system for the award of Ph.D. Degree comprises of one Indian examiner and one Foreign examiner's evaluations report. Apart from that, the scholar has to face a public viva voce examination before a duly constituted defense examination board.
- xvi. Two senior Professors have been appointed as Dean (Academic Research) and Director (Sponsored Research) and they oversees and monitor the various research activities of B.S.Abdur Rahman University. In addition, a Professor of Eminence is appointed as Advisor (Academic Research).
- xvii. A Research Board is also constituted with Deans and Directors of the university to oversee the academic research activities of the University, which came into existence from 05.05.2009. The composition of Research Board is enclosed as an Annexure IX.



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xviii. The external reviewing mechanism is also in place. For the same, A Research Advisory Committee has been constituted with 9 internal experts and ten external experts including senior officials from IGCAR, CLRI, CIPET, IIT, India Pistons, SERC, SAMEER etc., to render advice and guidance for future growth on research related issues to the top management. The composition of Research Advisory Committee is enclosed as an Annexure X.

In view of the above, I am to convey that our university conduct the research programmes strictly, as per the UGC guidelines (Regulations 2009), to ensure High Standards in the Research programmes offered.

*V. Periasamy*  
REGISTRAR 16/5/2013

**Encl.:**

- |                   |   |
|-------------------|---|
| Annexure No. I    | - Proforma for submission of information by Universities / Institutions Deemed to be Universities with regard to M.Phil / Ph.D programmes |
| Annexure No. II   | - Regulations of Ph.D.  |
| Annexure No. III  | - Regulations of M.Phil.  |
| Annexure No. IV   | - Regulations of M.Tech. (By Research)  |
| Annexure No. V    | - Selection procedure for admission into Ph.D.  |
| Annexure No. VI   | - Selection procedure for admission into M.Phil.  |
| Annexure No. VII  | - Selection procedure for admission into M.Tech. (By Research)  |
| Annexure No. VIII | - List of Approved Supervisors  |
| Annexure No. IX   | - Composition of Research Board   |
| Annexure No. X    | - Composition of Research Advisory Committee  |



**ANNEXURE No. II**  
**REGULATIONS OF Ph.D.**



## **Ph.D. REGULATIONS 2009 (Amended upto June 2012)**

### **1.0 DEFINITIONS AND NOMENCLATURE**

In these Regulations, unless the context otherwise requires,

- i) **“Programme”** means Doctoral Programmes leading to award of Ph.D. in Engineering / Technology / Science and Humanities / Management Studies etc. both Full Time and Part Time modes.
- ii) **“Course”** means a theory or practical subject(s) that may be prescribed by the Doctoral Committee for the candidate to undergo as a part of the programme requirement.
- iii) **“University”** means B.S. Abdur Rahman University, Chennai 600 048.
- iv) **“Research Board”** means the Board duly constituted by the Vice-Chancellor of the University to oversee the academic, research activities of the University.
- v) **“School”** means the Schools of Mechanical Engineering and Building Sciences / Electrical and Communication Engineering / Computer Science and Information Technology / Management Sciences / Science and Humanities and such other schools that may be constituted by the Board of Management of the University from time to time.
- vi) **“Supervisor”** means any faculty member of the University or outside the University who satisfy the requirement specified and recognised by the University as supervisor to guide the research scholars.
- vii) **“Scholar”** means any candidate(s) admitted by the University either under Full Time mode or Part Time mode for pursuing Doctoral Programme for the award of Ph.D. degree of the University.
- viii) **“Doctoral Committee”** means a committee constituted by the University for each research scholar to monitor the progress of his / her research work.



## 2.0 ELIGIBILITY CRITERIA

Two modes of research programmes are available: full time mode and part time mode. Candidates who satisfy the following criteria are eligible to apply for Ph.D. Programme.

- 2.1 Master's Degree of this University or any other qualification recognized as equivalent thereto in the fields of study notified from time to time by this University. Specific educational qualifications are given below

Programme		Qualification for Admission
(i)	Ph.D. Degree in Engineering / Technology	M.E. / M.Tech. or M.Tech. (by Research) in the relevant branch of Engineering or Technology
(ii)	Ph.D. Degree in Science and Humanities	M.Sc. / M.A. / M.Tech. (by Research)/ M.Phil. in the relevant branch of Science and Humanities / M.C.A.
(iii)	Ph.D. Degree in Management Sciences	MBA / M.Phil. / Post Graduate Diploma in Business Management or Administration awarded by Indian Institute of Managements (IIMs) / M.Tech. (by Research) in Management Sciences /MMS/2 year PG Diploma in Management recognized by AICTE

(or)

- 2.2. Bachelor's Degree in Engineering/Technology of this University or any other qualification recognized as equivalent thereto in the field of study with a minimum of 10 years of R & D Experience in National Research Laboratories / Public Sector Undertakings and with minimum of three publications in refereed journals / two patents.

## 3.0 OTHER REQUIREMENTS OF THE PROGRAMME

### 3.1 Full-Time Ph.D. Programme

- 3.1.1 Candidates under Full Time shall do research work in this University and shall be available during the working hours of curricular, co-curricular and related activities.

- 3.1.2. Candidates in employment, who want to pursue full-time studies, should be sponsored by their employer & should avail leave for the research period and should get formally relieved from their duty to join the research programme.
- 3.1.3. Candidates who are sponsored by the AICTE under Quality Improvement Programme (QIP) for teachers of Engineering Colleges and who satisfy the eligibility conditions shall be eligible for full-time only, in the disciplines as notified in AICTE guidelines.
- 3.1.4. Candidates who are selected under Fellowship programmes of National or any recognized bodies and who satisfy the eligibility conditions as per the regulations are eligible for full time studies in the respective disciplines.
- 3.1.5. Foreign nationals sponsored by Government of India on any exchange programme and who satisfy the eligibility conditions as per the regulations, are eligible for full time study.

### **3.2. Part-Time Ph.D. Programme**

The categories of candidates who are eligible to apply for part-time programme is given below.

- 3.2.1 Full time teachers of the University
- 3.2.2 Candidates working in the projects undertaken from State / Central / Quasi Government and totally funded through the projects in this University. The principal coordinator of such projects shall be the supervisor if he / she is recognised. The candidate should be employed in the project for the minimum period of research programme (Clause 10). Part employments in different spells or in different projects are not permitted.
- 3.2.3 Candidates working in Industries / R & D establishments / Labs / Units of Government / Quasi Government or any other research laboratories and sponsored by the respective employer / Organization.
- 3.2.4 Candidates working in any Government / Aided / Unaided / Self Financing Institution or College or Polytechnic Colleges.

### **3.3 Conversion of Full Time to Part Time and Part Time to Full Time**

The conversion of Ph.D. registration from Full Time to Part Time and Part Time to Full Time be permitted, provided the scholar's supervisor and the Head of the Department recommend the same for valid reasons.

## **4.0 PLACE OF RESEARCH**

The place or places of research in respect of full-time and part-time programme are as under:

#### **4.1. Full-time programme**

The full-time programme shall be undertaken normally in the Department of the University.

#### **4.2. Part-time programme**

**4.2.1.** The place of research for the project candidates mentioned in clause 3.2.2 shall be the Department where the project is undertaken.

**4.2.2.** The place of research in the case of candidates working in industries etc., mentioned in clause 3.2.3 shall be the place where the supervisor is working. The facilities in the industry shall also be availed for research.

**4.2.3.** The place of research in the case of candidates working in Government / Aided / Unaided / Self Financing College or Polytechnic College mentioned in clause 3.2.4 shall be the College where the supervisor is working. The facilities in colleges where the candidate is working may also be availed for research.

#### **5.0 MODE OF SELECTION**

**5.1.** The candidates desirous of registering for the Ph.D. degree programme shall apply in the prescribed application form through proper channel wherever applicable before the due date as indicated in the notification, issued from time to time. Normally the University will issue notification for Ph.D. admission twice in a year.

**5.2.** The applications of the candidates shall be processed by committees constituted by the Dean (Academic Research) for the purpose of selection. The composition of such committees shall be decided taking into account the number and nature of the applications received.

**5.3.** Such committees shall screen the applications as per the eligibility norms and be responsible for the conduct of test and interview for the eligible candidates. The candidate should give a Research proposal along with the application and present it when called for interview. Based on the performance of the test and interview the successful candidates shall be short listed by the above committees.

**5.4.** For such short listed candidates, the committees shall also help in finalising the supervisors from among the supervisors, recognised by the University, taking into consideration of the preference of the candidate and the field of specialization of the supervisors eligible to guide and forward to the Dean (Academic Research) for placing before the Research Board.

- 5.5.** Candidates with National Research Fellowship such as UGC / CSIR / DST / DRDO etc., are exempted from appearing the entrance examination. However, they have to appear before the department selection committee for interview, which will enable the committee, to allocate supervisor by identifying the areas of research and their availability.

## **6.0 ADMISSION**

- 6.1.** The Research Board constituted by the Vice-Chancellor shall determine the suitability of such candidates and recommend to the Vice Chancellor the admission to these candidates in the appropriate fields, after giving due consideration to the inter disciplinary fields of research, if any, and the Department in which the candidate shall be registered provisionally.
- 6.2.** With the approval of the Vice Chancellor, the selection of such candidates for provisional registration for the Ph.D. programme shall be communicated to the HOD of concerned Department, supervisor, the candidate and the sponsoring institution, if any.
- 6.3.** The date of registration shall normally be the first working day of the month of July and January of the academic year in which the candidate is admitted.

## **7.0 RECOGNITION OF SUPERVISOR**

- 7.1** The applicant for recognition as supervisor shall satisfy the following
- (i) Shall be a full time working member of the University,
  - (ii) Shall possess Ph.D. Degree in the relevant area of research in which he / she proposes to guide the candidate.
  - (iii) Shall have a minimum of two publications to his / her credit in refereed journals.
- 7.2** Recognition as supervisor for guiding research work shall be accorded by the Vice-Chancellor on the recommendation of the Research Board.
- 7.3** The recognized supervisors working in industrial organizations (as in clause 3.2.3.) shall function as Joint supervisors only.
- 7.4** Joint-supervisor shall be recommended by the Research Board wherever absolutely necessary, for research areas that requires more than one expert.

## **8.0 CHANGE OF SUPERVISOR**

- 8.1.** When a supervisor of a research scholar happens to be away from the University, for more than six months and up to one year, he/she shall continue to guide the research scholar, but a supervisor-in-charge shall be nominated by the Dean (Academic Research) in consultation with the

Head of the Department (HOD). The supervisor-in-charge shall function till the supervisor returns.

- 8.2. When a supervisor of a research scholar happens to be away from the University for more than one year, a joint supervisor shall be nominated by the Dean (Academic Research) in consultation with the concerned HOD of the research scholar, if the supervisor has left before the completion of one year research period of the scholar.
- 8.3. When a supervisor happens to be away from the University for more than one year after completion of one year research period of the research scholar, the nomination of joint supervisor / supervisor-in-charge shall be decided by the Dean (Academic Research) in consultation with the HOD, taking into account the status of the research scholar.
- 8.4. When a supervisor retires from service on superannuation or leaves service, he/she shall make arrangements for alternative supervisor for his/her research scholar. However, the supervisor who retired from the service shall continue to guide a research scholar, on his / her written request, provided he / she has guided the research scholar continuously for three years or the research scholar has submitted the synopsis. However a Joint Supervisor shall be nominated by Dean (Academic Research) in consultation with HOD to take care of the administrative and to some extent the research responsibilities of the scholar.

## **9.0 NUMBER OF CANDIDATES PER SUPERVISOR**

A supervisor shall guide upto a maximum of eight research scholars for Ph.D. at any time.

## **10.0 DURATION OF PROGRAMME**

- 10.1. The duration of the programme and the time for submission of thesis are counted from the date of registration vide clause 6.3. The minimum and maximum period for submission of thesis and the duration of the programme shall be as under:
  - (i) The minimum duration of the programme in Engineering, Technology, for full-time and part-time shall be three years. However, a full-time scholar can submit thesis at the completion of second year of registration provided all other requirements are satisfied.
  - (ii) The minimum duration of the programme in Science & Humanities for full-time / part-time shall be three/four years respectively. However for M.Phil. degree holders, the minimum duration shall be reduced by one year, if the M.Phil. degree relates to the field of research of the Ph.D. programme as decided by the Doctoral Committee and he/she can submit thesis on completion of two years.

**10.2.** The minimum duration of the programme in Management Science for full-time / part-time shall be as in clauses 10.1(i) and 10.1(ii) for scholars with Engineering / Science background respectively.

**10.3.** The maximum duration for all the above programmes shall be six years.

## **11.0 EXTENSION OF MAXIMUM DURATION**

**11.1.** In exceptional circumstances if the Doctoral Committee recommends and the Research Board deems it fit, a maximum grace period of two years beyond the normal maximum period of six years may be granted, by the Vice-Chancellor, six months at a time, to enable the research scholar to submit the thesis.

**11.2.** If the research scholar fails to submit the thesis within the extendable period of two years, the registration shall be cancelled.

**11.3.** Break of study to research scholars shall be granted up to a maximum period of two years in spells of six months at a time. Such period shall be accounted for the counting of duration of the programme (clause 10). The research scholar should remit the programme fee during the break of period.

**11.4.** The Dean (Academic Research) shall permit on deemed fit reasons for break of study of the research scholar and in extraordinary circumstances like medical grounds, and other compelling reasons which warrants his / her absence to the programme.

## **12.0 RESEARCH OUTSIDE UNIVERSITY**

**12.1** During the course of the Ph.D. Programme, for reasons approved by the Doctoral Committee, a research scholar shall be permitted by the Dean (Academic Research) to spend maximum of one year in an institution or on a project approved for the purpose, outside the University for carrying out research in areas related to the subject of investigation.

**12.2** Research scholar shall be permitted to do research outside University on related fellowship programmes.

## **13.0 DOCTORAL COMMITTEE**

There shall be a Doctoral Committee for each scholar to monitor the progress of research.

**13.1** The supervisor shall furnish for every candidate a panel of names of four experts, preferably with doctoral qualifications in the field of proposed research from the University and other organizations, from which two will

be recommended by the Dean (Academic Research), as members. Of these two, one will be a faculty member from other department of the University and one outside expert.

- 13.2** The supervisor of the research scholar is the convener of the committee.
- 13.3** The joint-supervisor, if any, shall be also a member.
- 13.4** The Head of the department of the research scholar shall be an Ex-Officio Member of the committee.
- 14.0 COURSE WORK**
- 14.1** The Doctoral Committee of a research scholar shall meet within three weeks from the date of communication of provisional registration of the candidate to prescribe course work for the research scholar.
- 14.2** A minimum of four courses with a minimum of three credits each including one on Research Methodology and other three relevant to the area of research and offered under any approved PG programme of this University or approved by the University shall be recommended by the Doctoral Committee.
- 14.3** If any course specific to the area of research has to be newly designed, then such course shall be formulated as a special elective to be covered in not less than 45 contact hours of instruction and the course syllabus shall be designed by the Doctoral Committee and approved by the Chairman, Board of Studies. These courses shall be of PG level and shall be limited to two.
- 14.4** The prescribed course work shall normally be completed within three semesters from the date of provisional registration in the case of full-time research scholar and four semesters in the case of part-time research scholar.
- 14.5** All the course work of the scholar are to be undertaken as per the academic norms and shall be evaluated by the norms of this University.
- 14.6** No change in the course work prescribed shall be made without the approval of the Doctoral Committee.
- 14.7** Only courses taken after the date of provisional registration shall count towards this requirement. Any courses already passed by the candidate prior to the registration shall not be counted for this purpose.
- 14.8** Candidates with the M.Phil. degree in the Faculty of Science and Humanities may be exempted from the prescribed course work, if the

M.Phil. Degree is related to the proposed Ph.D. field of research and if duly recommended by the Doctoral Committee.

## **15.0 COMPREHENSIVE EXAMINATION**

- 15.1** On the successful completion of the prescribed course work, as evidenced by the Grade Sheet of the research scholar issued by the Controller of Examinations, the Doctoral Committee shall conduct for every research scholar a comprehensive (written and oral) examination to test the knowledge of the research scholar in the broad area of specialization and the course work undergone. Based on the result of this examination, the Doctoral Committee shall report to the Dean (Academic Research) within two months of the date of the examination held, the fitness of the research scholar to confirm the provisional registration and to proceed further with his / her Ph.D. work.
- 15.2** Research scholars with M.Phil. degree and who have not taken course work as per clause 14.8 shall also undergo comprehensive examination after six months of his / her registration.
- 15.3** If, based on the results of the comprehensive examination a research scholar is not approved by the Doctoral Committee, then a grace period of a maximum of six months shall be given, at the end of which the research scholar shall be re-examined. If found fit, the research scholar shall be permitted to proceed with doctoral work. Otherwise, the research scholar's provisional registration shall be cancelled.

## **16.0 MONITORING PROGRESS OF CANDIDATES**

- 16.1** Every six months commencing from the date of provisional registration, the candidate shall submit progress report in the prescribed format to the supervisor who shall forward it, to the Dean (Academic Research) for information and documentation through HOD.
- 16.2** The supervisor shall arrange for a presentation by the research scholar on his / her work twice a year before the faculty of the department and once in a year to the Doctoral Committee which is open to faculty members and research scholars.

## **17.0 CANCELLATION OF REGISTRATION**

- 17.1** The Registration of a research scholar, who has exceeded the maximum period stipulated for the Ph.D. programme as in clause 11.1 and also because of disciplinary action shall stand cancelled automatically.



**17.2** The Registration is liable for cancellation administratively by the Dean (Academic Research) if

- i. The research scholar has not paid the semester fees within the stipulated time with/without fine.
- ii. The two consecutive six monthly progress reports are not submitted or not satisfactory.
- iii. The performance is not satisfactory to the doctoral committee and accordingly recommended for cancellation.
- iv. The research scholar withdraw the course and wishes to cancel his / her registration.

## **18.0 SYNOPSIS OF THESIS**

**18.1** The research scholar shall be permitted to submit the synopsis only after obtaining the confirmation of registration.

**18.2** The synopsis shall be accepted only when the research scholar has at least two papers either published or accepted for publication in a refereed / reputed national / international journal, preferably with Impact Factor awarded by agencies like Scopus / Thomson Reuters / Web of Science etc.

**18.3** The research scholar shall submit to the Doctoral Committee through the supervisor, six copies of the synopsis of the Ph.D. work carried out.

**18.4** Research scholar who carried out research outside this University shall submit the synopsis only after a minimum of three months on his / her return.

**18.5** If the Doctoral Committee approves the research work reported in the synopsis, it shall forward the six copies of the approved synopsis to the Dean (Academic Research) along with a panel of at least six examiners, three from India and three from abroad.

## **19.0 SUBMISSION OF THESIS**

**19.1** The thesis shall report, in an organized and scholarly fashion, an account of original research work of the research scholar leading to the discovery of new facts or techniques or correlation of facts already known (analytical, experimental, hardware oriented etc.) and demonstrating a quality as to make a definite contribution to the advancement of knowledge.

- 19.2** Three copies of thesis shall be prepared in accordance with the format and specifications prescribed. These shall be submitted within three months from the date of approval of the synopsis by the Doctoral Committee along with three copies of the abstract of the thesis in about 400 words. Under no circumstances, the thesis submission can be delayed except under extraordinary special circumstances, where an extension of three months may be permissible with the recommendation of the Doctoral Committee.
- 19.3** The thesis shall include a certificate of the supervisor from the University as prescribed, to the effect that the thesis is a record of bonafide research work carried out by the research scholar under his / her supervision and guidance and that the work reported in the thesis has not been submitted elsewhere for a degree or diploma.
- 19.4** The thesis shall be scrutinized by a Scrutiny Committee constituted by the Vice Chancellor to assess the overall layout, contents and the quality of presentation of the thesis. The deviation, if any from the format and specification prescribed, shall be rectified by the research scholar in consultation with the supervisor and approved by the Dean (Academic Research).
- 19.5** Fees shall be paid by the research scholars for every semester till the submission of the thesis.

## **20.0 THESIS EVALUATION**

- 20.1** The Thesis shall be referred to two examiners (one from India and another from abroad) nominated by the Vice-Chancellor from the panel of examiners recommended by the Doctoral Committee. The Vice-Chancellor, may also nominate the examiners from outside the panel.
- 20.2** The examiners are expected to send their reports in the format prescribed within two months from the date of receipt of the thesis.
- 20.3** The Dean (Academic Research) shall take necessary steps to receive the reports from the examiners as quickly as possible.
- 20.4** The examiner shall include in his / her report an overall assessment placing the thesis in one of the following categories.
- i. Recommended for the award of the degree of Doctor of Philosophy (Commended / Highly Commended)
  - ii. Revision required.
  - iii. Rejected.

The examiner shall enclose a report in 200 to 300 words, indicating the standard attained in the case of (i), the nature of revision in the case of (ii), and the reasons in the case of (iii).

- 20.5** If both the examiners recommended the award of the degree, thesis shall be provisionally accepted. Any minor revision, modification etc., suggested by the examiners shall be carried out before the oral examination.
- 20.6** If both examiners recommended rejection, the thesis shall be rejected and the registration of the research scholar will stand cancelled.
- 20.7** If one examiner recommends the award of the degree while the other recommends rejection, then the thesis shall be referred to a third examiner to be nominated by the Vice-Chancellor as in clause 20.1. If two of the three examiners recommended the award, the thesis shall be provisionally accepted. If two of the examiners recommend rejection, the thesis shall be rejected and the registration of the research scholar shall stand cancelled.
- 20.8** If any examiner recommends correction / revision of the thesis the candidate shall be permitted only once to revise and resubmit the thesis within six months. The Doctoral Committee shall study the report of the examiners to ascertain whether the corrections / revisions carried out in the thesis is as suggested by the examiners and then recommend panel for constitution of an Oral Examination Board, within a period of three months from the receipt of the reports by the supervisor.

## **21.0 ORAL EXAMINATION**

- 21.1** The Doctoral Committee shall recommend a panel of three examiners from recognized institutions within India for constitution of an Oral Examination Board.
- 21.2** The Oral Examination Board shall be constituted by the Vice-Chancellor as follows:

i	Examiner of the thesis in India or a specialist in the subject from the panel (in the absence of the former)	Member
ii	A specialist from a recognized institution from the panel	Member
iii	Supervisor of the candidate in the University	Convener

The Vice-Chancellor if he deems it necessary may nominate the members from outside the panel and the Joint-Supervisor as an additional member.

- 21.3** The oral examination shall be conducted as "Open Defence Type" examination.

- 21.4** If the performance of the research scholar at the oral examination is reported by the Oral Examination Board to be **not satisfactory**, the research scholar may opt to reappear for the oral examination at a later date (not later than 6 months from the date of the first oral examination). On the second occasion, the Oral Examination Board shall include one more examiner nominated by the Vice-Chancellor.
- 21.5** If the performance of the candidate at the oral examination on the second occasion also is reported to be **not satisfactory**, the registration of the candidate shall stand cancelled.
- 21.6** On Satisfactory completion of viva-voce examination, the candidate shall submit three copies of the thesis in A5 size along with three copies of the thesis in CD-ROM duly certified by the supervisor that all the corrections have been duly carried out as suggested by the examiners if any, for University Library, Department Library and UGC.

## **22.0 AWARD OF Ph.D. DEGREE**

If the report of the Oral Examination Board is **satisfactory**, the candidate shall be awarded the Ph.D. Degree with the approval of the Board of Management.

## **23.0 PUBLICATION OF THESIS**

Papers arising out of the thesis may be published by the research scholar. However, the thesis as a whole shall not be published by the candidate without the specific approval of the Vice-Chancellor.

## **24.0 THE ACT OF PLAGIARISM**

- 24.1** In the case of research scholars who have committed the act of plagiarism his / her thesis / degree shall be forfeited and his / her research registration shall be terminated in this University and also he / she shall be debarred to register for any other programme in this University.
- 24.2** For the abetment of above such action, the recognition of his / her supervisor shall be withdrawn for a period of five years and he / she shall be debarred from guiding the research scholars for any research programme in this University till such period.

## **25.0 POWER TO MODIFY**

Notwithstanding all that has been stated above, the Academic Council of the University has the right to modify any of the above regulation from time to time.

More information is available in the University website [www.bsauniv.ac.in](http://www.bsauniv.ac.in)

For further queries, you are encouraged to contact the office of Dean (Academic Research) B.S.Abdur Rahman University.

**ANNEXURE No. III**  
**REGULATIONS OF M.PHIL.**



## **M.Phil. REGULATIONS 2009 (AMENDED UPTO JUNE 2012)**

### **1.0 DEFINITIONS AND NOMENCLATURE**

In these Regulations, unless the context otherwise requires,

- (i) “**Programme**” means Master of Philosophy Programme leading to the award of M.Phil. degree in Science and Humanities etc. both at Full time and Part time basis.
- (ii) “**Course**” means a theory or practical subject(s) that may be prescribed by the Monitoring Committee for the candidate to undergo as a part of the programme.
- (iii) “**University**” means B.S. Abdur Rahman University, Chennai 600 048.
- (iv) “**Research Board**” means the Board duly constituted by the Vice-Chancellor of the University to oversee the academic, research activities of the University.
- (v) “**Supervisor**” means any faculty member of the University or outside the University who satisfy the requirement specified and recognised by the University as supervisor to guide the M.Phil. Scholars.
- (vi) “**Scholar**” means any candidate(s) admitted by the University either under full time mode or part time mode for pursuing Master of Philosophy for the award of M.Phil. degree of the University.
- (vii) “**Monitoring Committee**” means a committee constituted by the University for each Research Scholar to monitor the progress of his / her research work.

### **2.0 ELIGIBILITY CRITERIA**

Two modes of research programmes are available: Full-time mode and Part-time mode. Candidates who satisfy the following criteria are eligible to apply for M.Phil. degree programmes.

- 2.1** M.Sc. / M.A of this University or any other qualification recognized as equivalent thereto in the fields of study notified from time to time by this University. Specific Educational Qualifications are given in Clause 2.3.
- 2.2.** A minimum of 55 percent marks / CGPA of 5.5 on a 10 point scale in the qualifying examination for all candidates.

**2.3** Specific educational qualifications are given below:

<b>Programme</b>		<b>Qualification for Admission</b>
(i)	M.Phil. Degree in Science and Humanities	M.Sc. / M.A. in the relevant branch of Science/ and Humanities / M.C.A.

### **3.0 PROGRAMME AND OTHER REQUIREMENTS**

#### **3.1 Full-Time M.Phil. Programme**

**3.1.1** Candidates under full-time shall do research work in this University and shall be available during the working hours for curricular and related activities.

**3.1.2** Candidates in employment, who want to pursue full-time studies should be sponsored by their employer and should avail leave for the research period and should get formally relieved from their duty to join the research programme.

**3.1.3** Foreign nationals sponsored by Government of India on any exchange programme and who satisfy the eligibility condition as per the regulations, are eligible for full-time study.

#### **3.2 Part-Time M.Phil. Programme**

The following categories of candidates are eligible to apply for Part-time programme

**3.2.1** Full time teachers of this University and teachers from other recognised educational institutions.

**3.2.2** Candidates working in the projects undertaken from State/Central/Quasi Government and totally funded through the projects in this University. The Principal coordinator of such projects shall be the supervisor, if he / she is recognised. The candidates should be employed in the project for the minimum period of the research programme (vide clause 10). Part employments in different spells or in different projects are not permitted.

**3.2.3** Candidates working in Industrial units or R&D Department/Labs/Units of Government/Quasi Government or any other research laboratories which are recognized by the University as research centres to have collaborative research with the University and sponsored by the respective employer / Organization

### **4.0 PLACE OF RESEARCH**

The place or places of research in respect of full-time and part-time programme are as under:



#### **4.1 Full-Time**

The full-time programme shall be undertaken in the departments of this University.

#### **4.2 Part-Time**

**4.2.1** The place of research for teachers of colleges (as specified in clause 3.2.1), shall be the college where the supervisor is working.

**4.2.2** The place of research for the project candidates mentioned in clause 3.2.2 shall be the college where the project is undertaken

**4.2.3** The place of research in the case of candidates working in Industrial units etc. mentioned in clause 3.2.3 shall be the place where the supervisor is working. The facility in the industry shall also be availed for research work.

#### **5.0 MODE OF SELECTION**

**5.1** The candidates desirous of registering for the M.Phil. programme should apply in the prescribed application form through proper channel where applicable before the due date as indicated in the notification for M.Phil. admission, normally issued twice in a year.

**5.2** The applications of the candidates shall be processed by committees constituted by the Dean (Academic Research) for the purpose of selection. The composition of such committees shall be decided taking into account the number and nature of the applications received.

**5.3** Such committees shall screen the applications as per the eligibility norms and be responsible for the conduct of test and interview for the eligible candidates. Based on the performance of the test and interview the successful candidates shall be short listed. For such short listed candidates, the committees shall help in fixing the supervisors, taking into consideration the area of research and the preference of the candidate and the field of specialization of the supervisors eligible to guide and forward the details to the Dean (Academic Research) for placing before the Research Board.

#### **6.0 ADMISSION**

**6.1** The Research Board constituted by the Vice-Chancellor shall determine the suitability of such candidates and recommend for admission to the programme in the appropriate fields, after giving due consideration to the inter disciplinary fields of research if any and the Department in which the candidates shall be registered provisionally.

**6.2** With the approval of the Vice-Chancellor, the selection of such candidates for registration for the M.Phil. programme shall be communicated to the Head of the concerned Department, supervisor, the candidate, and the sponsoring institution, if any.

**6.3** The date of provisional registration shall normally be 1<sup>st</sup> working day in the month of July or January of the academic year in which the candidate is admitted.

## **7.0 DURATION AND STRUCTURE OF THE PROGRAMME**

**7.1** The duration of the programme and the time for submission of thesis are reckoned from the date of provisional registration vide clause 6.3. The minimum and maximum period for submission of thesis and the duration of the programme shall be as under.

- (i) The minimum duration of the programme for full-time shall be two semesters and for part-time shall be three semesters.
- (ii) The maximum duration for full-time shall be three semesters and for part-time shall be four semesters.

**7.2** The M.Phil. programmes consist of the following components as prescribed in the respective curriculum.

- (i) Theory courses
- (ii) Seminars
- (iii) thesis / dissertation

**7.3** Of the three courses one will be on Research Methodology, which is compulsory. The other courses will be prescribed by the Monitoring Committee.

**7.4** The courses prescribed vide 7.2 is only the minimum. However, the Monitoring Committee may add if required.

## **8.0 REGISTRATION AND ENROLMENT**

**8.1** Every student shall register and enrol for the courses prescribed by the Monitoring Committee (MC) on a specified day notified to the student after paying the fees prescribed.

**8.2** If any course is not available in the institution, and if prescribed to be pursued outside, the candidate shall pursue it by paying necessary fees.

**8.3** Late registration will be permitted with a prescribed fine up to two weeks from the last date specified for registration.

## **9.0 EXTENSION OF MAXIMUM DURATION**

**9.1** In exceptional circumstances, if the Monitoring Committee recommends and the Dean (Academic Research) deems it fit, a maximum period of 6 months beyond the normal maximum period, in spells of 3 months at a time, may be granted to enable the research scholar to submit the thesis. If the research scholar fails to submit the thesis within the extended period, the registration shall be cancelled and the name removed from the rolls.

**9.2** Break of study for M.Phil. Scholars shall be granted up to a maximum period of three months. Such period shall be accounted for counting the duration of the programme (vide clause 7). The research scholar should remit the necessary fee during the break of study period.

**9.3** The Dean (Academic Research) shall permit break of study for the research scholar for valid medical reasons and other compelling requirements warranting absence from the programme.

## **10.0 RECOGNITION OF SUPERVISOR**

**10.1** The applicant for recognition as supervisor shall be working on full-time basis in this university or employed full-time in the places as indicated under clause 3.2.3

**10.2** The faculty members recognized as supervisors for guiding Ph.D. candidates are eligible to guide M.Phil. candidates also. The applicant should possess Ph.D. in the relevant area of research in which he/she proposes to guide the candidate.

**10.3** If the supervisor intends to guide in areas other than his/her area of research, these areas shall be accepted based on two publications in reputed journals / conference proceedings or the staff member shall have handled PG level classes in the above areas in the last three years preceding the date of application.

**10.4** The recognized supervisors working in industrial organizations (as in clause 3.2.3) / non-recognized research department of the engineering colleges shall function as Joint supervisors only.

## **11.0 CHANGE OF SUPERVISOR**

**11.1** When a supervisor of a research scholar happens to be away from the University, for more than 3 months and up to six months, he / she may continue to guide the research scholar, but a supervisor-in-charge belonging to the University shall be nominated by the Dean (Academic Research) in consultation with the Head of the Department (HOD). The supervisor-in-charge will function till the supervisor returns.

**11.2** When a supervisor of a research scholar happens to be away from the University for more than six months, a joint supervisor shall be nominated by the Dean (Academic Research) in consultation with the concerned HOD of the Research Scholar.

## **12.0 NUMBER OF CANDIDATES**

A supervisor shall guide upto a maximum of three research scholars for M.Phil. at any time. However, where no M.Tech. (By Research) programme is offered by a department, the supervisor of the respective department can guide upto a maximum of 5 M.Phil. scholars.

### **13.0 MONITORING COMMITTEE**

- 13.1** There shall be a Monitoring Committee for the M.Phil. scholars to monitor their progress.
- 13.2** **There shall be three members with** the Head of the department as the Ex-Officio Member and other two members from among the senior faculty of the department. The constitution of the committee shall be approved by the Dean (Academic Research). The Supervisor shall be the Convenor of the Monitoring Committee.
- 13.3** The candidates shall submit progress report in the prescribed format to the Supervisor who shall forward it to the convener for information and documentation, through HOD.
- 13.4** The supervisor shall arrange to make three presentations by the research scholar on his / her work in the second semester (Full-time)/second year (Part-time) before the faculty of the department.

### **14.0 COURSE WORK**

- 14.1** All prescribed course work shall normally be completed within six months from the date of provisional registration in the case of Full-time research scholar and one year in the case of part-time research scholar.
- 14.2** All the course works of the scholar are to be undertaken as per the academic norms and shall be evaluated as per the norms of this University. The minimum number of credits for each course work is three and for the seminar one.
- 14.3** No change in the course work prescribed shall be made without the approval of the Monitoring Committee.
- 14.4** Only courses taken after the date of provisional registration shall be counted towards this requirement. Any courses already passed by the candidates prior to the registration shall not be counted for this purpose.
- 14.5** Candidates shall secure a minimum of 10–14 credits comprising course work and seminar to enable them to proceed for writing the thesis.

### **15.0 THESIS WORK**

- 15.1** Thesis work shall be carried out under the guidance of the supervisor assigned for the candidate. The project work carries 10 credits.
- 15.2** A candidate may however, in certain cases, be permitted to work on the project in an Industrial/Research Organization, on the recommendations of Head of the Department, with the approval of the Head of the Institution. In such cases, the project work shall be jointly supervised by a supervisor of the Department and a Scientist from the organization, and the student shall be instructed to meet the supervisor periodically and to attend the review committee meetings for evaluating the progress.
- 15.3** Thesis shall be pursued for a minimum of 16 weeks during the final semester.

**15.4** The thesis / drawings prepared according to approved guidelines and duly signed by the supervisor(s) and the Head of the Department and approved by the monitoring Committee.

**15.5** The deadline for submission of thesis is 30 calendar days from the last working day of the semester in which thesis is done.

**15.6** If a candidate fails to submit the thesis on or before the specified deadline he / she is deemed to have failed in the thesis and shall re-register the same in a subsequent semester.

## **16.0 CANCELLATION OF REGISTRATION**

**16.1** The registration of a M.Phil. Scholar who has exceeded the maximum period stipulated for the M.Phil. programme as in clause 7.1 shall stand cancelled automatically.

**16.2** The registration is liable for cancellation administratively by the Dean (Academic Research) if,

- (i) the research scholar has not paid the semester fees within the stipulated time with the necessary fine.
- (ii) the performance is not satisfactory to the Monitoring Committee and accordingly recommended for cancellation.
- (iii) the research scholar applies to withdraw from the course.

**16.3** In all the cases mentioned clause 16.2, the fees paid by the research scholar shall not be refunded.

## **17.0 SUBMISSION OF THESIS**

**17.1** The thesis shall be in an organised and scholarly fashion giving an account of original research work of the M.Phil scholar leading to the invention/innovation of facts or techniques or correlation of facts already known (analytical, experimental, hardware oriented etc.).

**17.2** Three copies of thesis shall be prepared in accordance with format and specification prescribed. Under no circumstances, the thesis submission can be delayed except under extraordinary circumstances, where an extension of 15 days may be permissible with the recommendation of the Monitoring Committee.

**17.3** The thesis shall include a certificate of the supervisor from the University as prescribed, to the effect that the dissertation is a record of the bonafide research work carried out by the research scholar under his / her supervision and guidance and that the work reported in the dissertation has not been submitted elsewhere for a degree or diploma.

## 18.0 THESIS EVALUATION

The thesis shall be referred to two examiners (one within the state and one outside the state) nominated by the Dean (Academic Research) from the panel of examiners recommended by the Monitoring Committee.

## 19.0 ORAL EXAMINATION

19.1 The oral examination shall be conducted by an Examination Board comprising i) The examiner within the state who evaluated the thesis. ii) Another specialist and iii) Supervisor. The oral examination shall be of "Open Defence type"

19.2 If the performance of the scholar at the Oral Examination is reported by the Oral Examination Board to be **not satisfactory**, the research scholar may reappear for the oral examination at a later date (not later than three months from the date of the first oral examination). On the second occasion, the Oral Examination Board shall include one more examiner nominated by the Chairman of the Board of Studies.

19.3 If the performance of the candidate at the oral examination on the second occasion also is reported to be **not satisfactory**, registration of the candidate shall stand cancelled.

19.4 After the oral examination, the candidate shall submit two copies of the thesis in A5 size along with two copies of thesis in CD-ROM duly certified by the supervisor that all corrections have been carried out as suggested by the examiner if any for the University and UGC.

## 20.0 AWARD OF M.PHIL. DEGREE

If the report of the Oral Examination Board is **satisfactory**, the candidates will be awarded the M.Phil. degree by the University based on the recommendation of the respective Chairman of the Board.

## 21.0 PUBLICATION OF THESIS/DISSERTATION

Papers arising out of the thesis/dissertation may be published by the scholar. However, the thesis/dissertation as a whole shall not be published by the candidate without the specific approval of the Dean (Academic Research).

## 22.0 THE ACT OF PLAGIARISM

22.1 In the case of M.Phil. Scholars who have committed the act of plagiarism his / her research registration shall be terminated in this University and also he / she shall be debarred to register for any other programme in this University.

22.2 For the abetment of above such action, the recognition of his / her supervisor shall be withdrawn for a period of five years and he / she shall be debarred from guiding the M.Phil. Scholars in this University till such period.

## 23.0 POWER TO MODIFY

Notwithstanding all that has been stated above, the Academic Council of the University has the right to modify any of the above regulation from time to time.

More information is available in the University website [www.bsauniv.ac.in](http://www.bsauniv.ac.in)

For further queries, you are encouraged to contact the Office of Dean (Academic Research), B.S.Abdur Rahman University.

Phone: **044-2275 1347**, 48, 50 Extn.**172**

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**ANNEXURE No. IV**  
**REGULATIONS OF M.TECH. (BY RESEARCH).**





## **M.TECH. (BY RESEARCH) REGULATIONS 2009 (Amended upto June 2012)**

### **1.0 DEFINITIONS AND NOMENCLATURE**

In these Regulations, unless the context otherwise requires,

- i) **“Programme”** means Master of Science Programme (By research) leading to the award of M.Tech. (By Research) degree in Engineering / Technology / both Full time and Part time basis.
- ii) **“Course”** means a theory or practical subject(s) that may be prescribed by the Monitoring Committee for the candidate to undergo as a part of the programme.
- iii) **“University”** means B.S. Abdur Rahman University, Chennai 600 048.
- iv) **“Research Board”** means the Board duly constituted by the Vice-Chancellor of the University to oversee the academic, research activities of the University.
- v) **“School”** means the schools of Mechanical Engineering and Building Sciences / Electrical and Communication Engineering / Computer Science and Information Technology and such other schools that may be constituted by the Board of Management of the University from time to time.
- vi) **“Supervisor”** means any faculty member of the University or outside the University who satisfy the requirement specified and recognised by the University as supervisor to guide the research scholars.
- vii) **“Scholar”** means any candidate(s) admitted by the University either under full time mode or part time mode for pursuing Master of Science (By research) for the award of M.Tech. (By Research) degree of the University.
- viii) **“Monitoring Committee”** means a committee constituted by the University for each research scholar to monitor the progress of his / her research work.

## 2.0 ELIGIBILITY CRITERIA

Two modes of research programmes are available : Full-time mode and Part-time mode. Candidates who satisfy the following criteria are eligible to apply for M.Tech. (By Research) programmes.

- 2.1 Bachelor's Degree in Engineering / Technology of this University or any other qualification recognized as equivalent thereto in the fields of study notified from time to time by this University. Specific Educational Qualifications are given in Clause 2.3.
- 2.2. First class or the minimum of 60 percent marks / CGPA of 6.5 on a 10 point scale in the qualifying examination (55 percent marks or CGPA of 6.0 on a 10 point scale, in the case of SC/ST candidates)
- 2.3 Specific educational qualifications are given below:

	<b>Programme</b>	<b>Qualification for Admission</b>
(i)	M.Tech. (By Research) Degree in Technology	B.E./B.Tech in the relevant branch of Engineering / Technology

## 3.0 PROGRAMME OTHER REQUIREMENTS

### 3.1 Full-Time M.Tech. (By Research) Programme:

- 3.1.1 Candidates under full-time shall do research work in this University and shall be available during the working hours for curricular and related activities.
- 3.1.2 Candidates in employment, who want to pursue full-time studies should be sponsored by their employer and should avail leave for the research period and should get formally relieved from their duty to join the research programme.
- 3.1.3 Foreign nationals sponsored by Government of India on any exchange programme and who satisfy the eligibility condition as per the regulations, are eligible for full-time study.

### **3.2 Part-Time M.Tech. (By Research) Programme**

The following categories of candidates are eligible to apply for Part-time programme

- 3.2.1 Full time teachers of this University and teachers from other recognised educational institutions.
- 3.2.2 Candidates working in the projects undertaken from State/Central/Quasi Government and totally funded through the projects in this University. The Principal coordinator of such projects shall be the supervisor, if he / she is recognised. The candidates should be employed in the project for the minimum period of the research programme (clause 10). Part employments in different spells or in different projects are not permitted.
- 3.2.3 Candidates working in Industrial units or R & D Department / Labs / Units of Government / Quasi Government or any other research laboratories which are recognized by the University as research centres to have collaborative research with the University and sponsored by the respective employer / Organization.

### **4.0 PLACE OF RESEARCH**

The place or places of research in respect of full-time and part-time programme are as under:

#### **4.1 Full-time**

The full-time programme shall be undertaken in the departments of this University.

#### **4.2 Part-Time**

- 4.2.1 The place of research for teachers of colleges (as specified in clause 3.2.1), shall be the college where the supervisor is working.
- 4.2.2 The place of research for the project candidates mentioned in clause 3.2.2 shall be the college where the project is undertaken
- 4.2.3 The place of research in the case of candidates working in Industrial units etc. mentioned in clause 3.2.3 shall be the place where the supervisor is working. The facility in the industry shall also be availed for research work.

## **5.0 MODE OF SELECTION**

- 5.1 The candidates desirous of registering for the M.Tech. (By Research) programme should apply in the prescribed application form through proper channel where applicable before the due date as indicated in the notification for M.Tech. (By Research) admission, normally issued twice in a year.
- 5.2 The applications of the candidates shall be processed by committees constituted by the Dean (Research) for the purpose of selection. The composition of such committees shall be decided taking into account the number and nature of the applications received.
- 5.3 Such committees shall screen the applications as per the eligibility norms and be responsible for the conduct of test and interview for the eligible candidates. Based on the performance of the test and interview the successful candidates shall be short listed.

For such short listed candidates, the committees shall help in fixing the supervisors, taking into consideration the area of research and the preference of the candidate and the field of specialization of the supervisors eligible to guide and forward the details to the Dean (Research) for placing before the Research Board.

## **6.0 ADMISSION**

- 6.1 The Research Board constituted by the Vice-Chancellor shall determine the suitability of such candidates and recommend for admission to the programme in the appropriate fields, after giving due consideration to the inter disciplinary fields of research if any and the School in which the candidates shall be registered provisionally.
- 6.2 With the approval of the Vice-Chancellor, the selection of such candidates for registration for the M.Tech. (By Research) programme shall be communicated to the HOD of concerned Department, supervisor, the candidate, and the sponsoring institution, if any.
- 6.3 The date of provisional registration shall normally be 1st working day in the month of July or January of the academic year in which the candidate is admitted.

## **7.0 RECOGNITION OF SUPERVISOR**

- 7.1 The applicant for recognition as supervisor shall be working full-time in this university or employed full-time in the places as indicated under clause 3.2.3

- 7.2 The faculty members recognized as supervisors for guiding Ph.D. candidates are also eligible to guide M.Tech. (By Research) candidates. The applicant should possess M.E./M.Tech./M.Tech. (By Research) in the relevant area of research in which he/she proposes to guide the candidate.
- 7.3 Recognition as supervisor for guiding research work shall be accorded by the Vice-Chancellor on the recommendation of the Research Board.
- 7.4 The recognized supervisors working in industrial organizations (as in clause 3.2.3) / non-recognized research department of the engineering colleges shall function as Joint supervisors only.

## **8.0 CHANGE OF SUPERVISOR**

- 8.1 When a supervisor of a research scholar happens to be away from the University, for more than 6 months and up to one year, he / she may continue to guide the research scholar, but a supervisor-in-charge belonging to the University shall be nominated by the Dean(Research) in consultation with the Head of the Department (HOD). The supervisor-in-charge will function till the supervisor returns.
- 8.2 When a supervisor of a research scholar happens to be away from the University for more than one year, a joint supervisor shall be nominated by the Dean(Research) in consultation with the concerned HOD of the Research Scholar.
- 8.3 When a supervisor retires from service on superannuation or leaves service, he / she shall make arrangements for alternative supervisor for his/her research scholar. However, the supervisor who retired from service shall continue to guide a research scholar, on his / her written request, provided he / she has guided the research scholar continuously for two years or the research scholar has submitted the synopsis. However a joint Supervisor shall be nominated by Dean(Research) in consultation with HOD to take care of the administrative and to some extent the research responsibilities of the scholar.

## **9.0 NUMBER OF CANDIDATES**

A supervisor shall guide upto a maximum of two research scholars for M.Tech. (By Research) at any time. However where no M.Phil. programme is offered by a Department, the Supervisor of the respective Department can guide upto a maximum of 5 M.Tech. (By Research) scholars.

## **10.0 DURATION OF PROGRAMME**

The duration of the programme and the time for submission of thesis are counted from the date of provisional registration vide clause 6.3. The minimum and maximum period for submission of thesis and the duration of the programme shall be as under.

- (i) The minimum duration of the programme in for full-time/ part-time shall be two/three years respectively.
- (ii) The maximum duration for full-time / part-time scholars shall be three years and four years respectively.

## **11.0 EXTENSION OF MAXIMUM DURATION**

- 11.1 In exceptional circumstances if the Monitoring Committee recommends and the Dean (Research) deems it fit, a maximum period of one year beyond the normal maximum period of four years may be granted, six months at a time, to enable the research scholar to submit the thesis. If the research scholar fails to submit the thesis within the extended period of one year, the registration shall be cancelled and the name removed from the rolls.
- 11.2 Break of study for research scholars shall be granted up to a maximum period of one year in spells of six months at a time. Such period shall be accounted for counting the duration of the programme (clause 10). The research scholar should remit the programme fee during the break of study period.
- 11.3 The Dean(Research) shall permit break of study for the research scholar for valid medical reasons and other compelling requirements warranting absence from the programme.

## **12.0 MONITORING COMMITTEE**

There shall be a Monitoring Committee for each scholar to monitor the progress of research.

- 12.1 The Supervisor shall furnish for every candidate a panel of names of three experts, in the field of proposed research from the faculty of the University and other organizations, from whom one will be recommended by the Dean(Research) as member. Two members shall be recommended, if the head of the Department happens to be the supervisor.
- 12.2 The Supervisor of the research scholar shall be the convener of the committee.
- 12.3 The Joint-Supervisor, if any, shall also be a member.
- 12.4 The Head of the Department of the research scholar, where he / she is doing research will be the ex-officio member.
- 12.5 One more member from among the faculty members of other Departments of the University shall also be included.

### **13.0 COURSE WORK**

- 13.1 The Monitoring Committee of a research scholar shall meet within three weeks from the date of communication of provisional registration of the candidates to prescribe course work for the research scholar.
- 13.2 A minimum of eight courses with a minimum 3 credits each including one course on "Research Methodology" and seven other courses relevant to the area of research and offered under any approved PG programme of the University shall be recommended by the Monitoring Committee. The course on Research Methodology is compulsory.
- 13.3 If any course specific to the area of research has to be newly designed, then such course shall be formulated as a special elective to be covered in not less than 45 contact hours(3 credits) of instruction and the course syllabus shall be designed by the monitoring committee and got approved by the Chairman of the Board of Studies. These courses shall be limited to two.
- 13.4 The prescribed course work shall normally be completed within one year from the date of provisional registration in the case of Full-time research scholar and two years in the case of part-time research scholar.
- 13.5 All the course works of the scholar are to be undertaken as per the academic norms and shall be evaluated as per the norms of this University.
- 13.6 No change in the course work prescribed shall be made without the approval of the Monitoring Committee.
- 13.7 Only courses taken after the date of provisional registration shall be counted towards this requirement. Any courses already passed by the candidates prior to the registration shall not be counted for this purpose.

### **14.0 RESEARCH OUTSIDE THE UNIVERSITY**

- 14.1 During the course of the M.Tech. (By Research) programme, for reasons approved by the Monitoring Committee, a research scholar shall be permitted by the Dean (Research) to spend up to one year in an Institution or on a project approved for the purpose, outside the University for carrying out research in areas related to the subject of investigation.
- 14.2 Research scholar shall be permitted to do research outside University on related fellowship programmes.
- 14.3 Research scholar who carried out research outside this University shall submit the synopsis only after a minimum period of three months on his/her return.

## **15.0 MONITORING PROGRESS OF CANDIDATES**

- 15.1 Every six months commencing from the date of provisional registration, the candidates shall submit progress report in the prescribed format to the Supervisor who shall forward it to the Dean(Research) for information and documentation, through HOD.
- 15.2 The supervisor shall arrange to make a presentation by the research scholar on his / her work twice a year before the faculty of the department and once in a year to the Monitoring Committee which is open to faculty members and research scholars.

## **16.0 CANCELLATION OF REGISTRATION**

- 16.1 The registration of a research scholar who has exceeded the maximum period stipulated for the M.Tech. (By Research) programme as in Clause 11.1 and also because of disciplinary action shall stand cancelled automatically.
- 16.2 The registration is liable for cancellation administratively by the Dean (Research) if,
- (i) the research scholar has not paid the semester fees within the stipulated time with the necessary fine.
  - (ii) any two consecutive six monthly progress reports are not submitted or not satisfactory.
  - (iii) the performance is not satisfactory to the Monitoring Committee and accordingly recommended for cancellation.
  - (iv) the research scholar withdraws from the course.
- 16.3 In all the above cancellation cases, the fees paid by the research scholar shall not be refunded.

## **17.0 SYNOPSIS OF THESIS**

- 17.1 The synopsis submitted by the scholar shall be accepted only when the research scholar has at least one research paper either published or accepted for publication in a journal.
- 17.2 The research scholar shall submit to the Monitoring Committee through the supervisor, six copies of the synopsis of the M.Tech. (By Research) work carried out.
- 17.3 If the Monitoring Committee approves the research work reported in the synopsis, it shall forward the six copies of the approved synopsis to the Dean (Research) along with a panel of six examiners.



## **18.0 SUBMISSION OF THESIS**

- 18.1 The thesis shall report, in an organised and scholarly fashion, an account of original research work of the research scholar leading to the discovery of new facts or techniques or correlation of facts already known (analytical, experimental, hardware oriented etc.) and demonstrating a quality as to make a definite contribution to the advancement of knowledge.
- 18.2 Three copies of thesis shall be prepared in accordance with format and specification prescribed. These shall be submitted within two months of the approval of the synopsis by the Monitoring Committee along with three copies of the abstract of the thesis in about 400 words. Under no circumstances, the thesis submission can be delayed except under extraordinary circumstances, where an extension of two months may be permissible with the recommendation of the Monitoring Committee.
- 18.3 The thesis shall include a certificate of the supervisor from the University as prescribed, to the effect that the thesis is a record of the bonafide research work carried out by the research scholar under his / her supervision and guidance and that the work reported in the thesis has not been submitted elsewhere for a degree or diploma.
- 18.4 The thesis shall be scrutinised by the Scrutiny Committee constituted by the Vice Chancellor to assess the overall layout, contents and the quality of presentation of the thesis. The deviations, if any from the format and specification prescribed, shall be rectified by the research scholar in consultation with the supervisor and approved by the Dean(Research).
- 18.5 Fees shall be paid by the research scholars for every semester till the submission of the thesis.

## **19.0 THESIS EVALUATION**

- 19.1 The Thesis shall be referred to two examiners (one within the state and one outside the state) nominated by the Dean (Academic Research) from the panel of examiners recommended by the Doctoral Committee. The Dean (Academic Research), may also nominate the examiners from outside the panel.
- 19.2 The examiners are expected to send, in the prescribed form, their reports within two months from the date of receipt of the thesis.
- 19.3 The Dean(Research) shall take necessary steps to receive the reports from the examiners as quickly as possible.
- 19.4 The examiner shall include in his report an overall assessment placing the thesis in one of the following categories.
- i. Recommended for the award of the degree of M.Tech. (By Research)

(Commended / Highly Commended)

- ii. Revision required
- iii. Rejected

The examiner shall enclose a report in 200 to 300 words, indicating the standard attained in the case of (i), the nature of revision in the case of (ii) and the reason in the case of (iii).

- 19.5 If both the examiners recommended the award of the degree, the thesis shall be provisionally accepted. Any minor revision, modification etc. suggested by the examiners shall be carried out before the oral examination.
- 19.6 If both the examiners recommend rejection, the thesis shall be rejected and the registration of the research scholar stands cancelled.
- 19.7 If one examiner recommends the award of the degree while the other recommends rejection, then the thesis shall be referred to a third examiner to be nominated by the Chairman, Board of Studies as is 20.1. If two of the examiners recommend rejection, the thesis shall be rejected and the registration of the research scholar shall stand cancelled.
- 19.8 If any examiner recommends correction / revision of the thesis, the candidates shall be permitted to revise and resubmit the thesis within three months. The Monitoring Committee shall study the report of the examiners to ascertain whether the corrections carried out in the thesis as suggested by the examiners and then recommend panel for constitution of Oral Examination Board within a period of two months from the receipt of the reports by the supervisor.

## **20.0 ORAL EXAMINATION**

- 20.1 The Monitoring Committee shall recommend a panel of three examiners from the concerned faculty of this university for constitution of an Oral Examination Board.
- 20.2 The Oral Examination Board shall be constituted by the chairman of the faculty as follows:

a	One of the examiners who commended the thesis	Member
b	A specialist from the panel	Member
c	Supervisor of the candidate	Convener

The Chairman, if necessary may nominate the members from outside the panel and the Joint-Supervisor as an additional member.

20.3 The Oral Examination shall be conducted as "Open Defence Type" examination.

- 20.4 If the performance of the research scholar at the Oral Examination is reported by the Oral Examination Board to be **not satisfactory**, the research scholar may reappear for the oral examination at a later date (not later than three months from the date of the first oral examination). On the second occasion, the Oral Examination Board shall include one more examiner nominated by the Chairman.
- 20.5 If the performance of the candidate at the oral examination on the second occasion also is reported to be **not satisfactory**, registration of the candidate shall stand cancelled.
- 20.6 After the viva-voce examination, the candidates shall submit two copies of the thesis in A5 size along with a copy of the thesis in CD ROM duly certified by the supervisor that all the corrections have been carried out as suggested by the examiners if any, for **University archives**.

#### **21.0 AWARD OF M.TECH.(BY RESEARCH) DEGREE**

If the report of the Oral Examination Board is **satisfactory**, the candidates will be awarded the M.Tech. (By Research) degree with the approval of the respective Chairman of the Board.

#### **22.0 PUBLICATION OF THESIS**

Papers arising out of the thesis may be published by the research scholar. However, the thesis as a whole shall not be published by the candidate without the specific approval of the Chairman.

#### **23.0 THE ACT OF PLAGIARISM**

- 23.1 In the case of research scholars who have committed the act of plagiarism his / her research registration shall be terminated in this University and also he / she shall be debarred to register for any other programme in this University.
- 23.2 For the abetment of above such action, the recognition of his / her supervisor shall be withdrawn for a period of five years and he / she shall be debarred from guiding the research scholars for any research programme in this University till such period.

#### **24.0 POWER TO MODIFY**

Notwithstanding all that has been stated above, the Academic Council of the University has the right to modify any of the above regulation from time to time.

More information is available in the University website [www.bsauniv.ac.in](http://www.bsauniv.ac.in)

For further queries, you are encouraged to contact the Office of Dean (Academic Research), B.S.Abdur Rahman University.

Phone: **044-2275 1347**, 48, 50 Extn.**172**

Fax : 044 2275 0520

Email : [dean.academicresearch@bsauniv.ac.in](mailto:dean.academicresearch@bsauniv.ac.in)

**ANNEXURE No. V**

**SELECTION PROCEDURE FOR ADMISSION INTO  
Ph.D.**



**ANNEXURE – V**

**SELECTION PROCEDURE FOR ADMISSION INTO Ph.D.**

1. The candidates desirous of registering for the Ph.D. degree programme shall apply in the prescribed application form through proper channel wherever applicable before the due date as indicated in the notification, issued from time to time. Normally the University will issue notification for Ph.D. admission twice in a year.
2. The applications of the candidates shall be processed by Department Selection committees constituted by the Dean (Academic Research) for the purpose of selection. The composition of such committees shall be decided taking into account the number and nature of the applications received.
3. Such Department Selection committees shall screen the applications as per the eligibility norms and be responsible for the conduct of test and interview for the eligible candidates. The candidate should give a Research proposal along with the application and present it when called for interview. Based on the performance of the test and interview the successful candidates shall be short listed by the above committees.
4. For such short listed candidates, the Department Selection committees shall also help in finalising the supervisors from among the supervisors, recognised by the **University**, taking into consideration of the preference of the candidate and the field of specialization of the supervisors eligible to guide and forward to the Dean (Academic Research) for placing before the Research Board.
5. The Research Board will scrutinize and recommend Ph.D. scholars, after written test and interview by the Department Selection Committee, for the final approval by the Vice-Chancellor.
6. Based on the approval by Vice Chancellor, the admit cards will be sent to the candidates.

**Dean (Academic Research)**

**ANNEXURE No. VI**

**SELECTION PROCEDURE FOR ADMISSION INTO  
M.PHIL.**





**ANNEXURE – VI**

**SELECTION PROCEDURE FOR ADMISSION INTO M.Phil.**

1. The candidates desirous of registering for the M.Phil. programme should apply in the prescribe application form through proper channel where applicable before the due date as indicated in the notification for M.Phil. admission, normally issued twice in a year.
2. The applications of the candidates shall be processed by Department Selection committees constituted by the Dean (Academic Research) for the purpose of selection. The composition of such committees shall be decided taking into account the number and nature of the applications received.
3. Such Department Selection committees shall screen the applications as per the eligibility norms and be responsible for the conduct of test and interview for the eligible candidates. Based on the performance of the test and interview the successful candidates shall be short listed. For such short listed candidates, the Department Selection committees shall help in fixing the supervisors, taking into consideration the area of research and the preference of the candidate and the field of specialization of the supervisors eligible to guide and forward the details to the Dean (Academic Research) for placing before the Research Board.
4. The Research Board will scrutinize and recommend M.Phil. scholars, after written test and interview by the Department Selection Committee, for the final approval by the Vice-Chancellor.
5. Based on the approval by Vice Chancellor, the admit cards will be sent to the candidates.

**Dean (Academic Research)**

**ANNEXURE No. VII**

**SELECTION PROCEDURE FOR ADMISSION INTO  
M.TECH. (BY RESEARCH)**



**ANNEXURE – VII**

**SELECTION PROCEDURE FOR ADMISSION INTO M.Tech. (By Research)**

1. The candidates desirous of registering for the M.Tech. (By Research) programme should apply in the prescribed application form through proper channel where applicable before the due date as indicated in the notification for M.Tech. (By Research) admission, normally issued twice in a year.
2. The applications of the candidates shall be processed by Department Selection committees constituted by the Dean (Research) for the purpose of selection. The composition of such committees shall be decided taking into account the number and nature of the applications received.
3. Such Department Selection committees shall screen the applications as per the eligibility norms and be responsible for the conduct of test and interview for the eligible candidates. Based on the performance of the test and interview the successful candidates shall be short listed.
4. For such short listed candidates, the Department Selection committees shall help in fixing the supervisors, taking into consideration the area of research and the preference of the candidate and the field of specialization of the supervisors eligible to guide and forward the details to the Dean (Research) for placing before the Research Board.
5. The Research Board will scrutinize and recommend M.Tech. (By Research) scholars, after written test and interview by the Department Selection Committee, for the final approval by the Vice-Chancellor.
6. Based on the approval by Vice Chancellor, the admit cards will be sent to the candidates.

**Dean (Academic Research)**

**ANNEXURE No. VIII**

**LIST OF APPROVED SUPERVISORS**

<b>Sl. No.</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Research Supervisor Recognition Reference Number</b>	<b>Qualifications</b>	<b>Specific area in which guidance offered</b>	<b>Department</b>
1	Dr. E. Rajakuperan	Professor & Head	AS/11/01	D.M.I.T., M.E., Ph.D.	1. Aerodynamics Aero-acoustics CFD	Aerospace
2	Dr. S. Prince Arokiadoss	Professor	ME/09/10	B.Sc., B. Tech., (Auto) M.Sc., M.E., (Prod) Ph.D	1. Manufacturing Management 2. TQM 3. FMEA	Automobile
3	Dr. R. Rajaraman	Professor	ME/09/09	B.Tech., M.E., Ph.D.	1. Heat Transfer 2. Solidification of casting process (Metal Casting) 3. Numerical heat transfer	Automobile
4	Dr. P. Sheik Abdul Khader	Professor & Head	CA/09/01	B.Sc., M.Sc., M.Phil., Ph.D.	1. Computer Networks 2. Soft Computing 3. Software Engineering 4. Data Mining and Data Warehousing 5. Routing Algorithms	CA
5	Dr. M. Munir Ahamed Rabbani	Professor	CA/10/02	M.Sc. (Maths) M.Phil., Ph.D.	1. Image Processing 2. Biometrics 3. Computer Graphics	CA
6	Dr. A. Jaya	Professor	CA/11/03	B.Sc., M.C.A., M.E., Ph.D.	1. Artificial Intelligence 2. Software Engineering 3. Natural Lang Processing 4. Data Mining 5. Web Mining, Web Intelligence	CA
7	Dr. M. Katheeja Parveen	Assistant Professor (Sr. Grade)	CA/13/04	B.SC., M.C.A., Ph.D.,		CA

Sl. No.	Name of the faculty	Designation	Research Supervisor Recognition Reference Number	Qualifications	Specific area in which guidance offered	Department
8	Dr. Mirza S. Saiyadain	Professor & Dean	MS/10/06	Ph.D.	1. Management 2. Human Resource Management	CBS
9	Dr. S.K.G. Ganesh	Professor	MS/09/03	B.E., M.Sc., M.S. M.B.A., Ph.D.	1. Marketing Management 2. Organisational Behaviour	CBS
10	Dr. N. Joe Christy Nallaswami	Associate professor	MS/09/05	B.Sc., M.B.A., Ph.D.	1. Consumer Behaviour 2. Organizational Behaviour 3. Marketing 4. Advertising 5. Law	CBS
11	Dr. Haider Yasmeen	Associate professor	MS/10/07	M.A., M.B.A., M.Phil, Ph.D.	1. Organizational Behaviour 2. Human Resource Management 3. Marketing 4. System	CBS
12	Dr. Khalid Waheed	Assistant Professor	MS/12/08	B.A., M.A., Ph.D.	1. Islamic Economics 2. Islamic Banking & Finance Economics	CBS
13	Dr. I. Mohammed Bilal	Professor & Controller of Examinations	CH/09/01	B.Sc., M.Sc., Ph.D.	1. Polymer Nano Composites 2. Organic Synthesis 3. Environmental Chemistry 4. Industrial Catalysis	Chemistry
14	Dr. S. Kuttirani	Professor & Head	CH/09/02	B.Sc., M.Sc., M.Phil., Ph.D.	1. Physical Organic Chemistry 2. Catalysis	Chemistry

Sl. No.	Name of the faculty	Designation	Research Supervisor Recognition Reference Number	Qualifications	Specific area in which guidance offered	Department
15	Dr. D. Easwaramoorthi	Professor	CH/09/03	B.Sc., M.Sc., Ph.D.	1. Bio-inorganic Chemistry 2. Organic Synthesis 3. Catalysis 4. Environmental Chemistry	Chemistry
16	Dr. N. Hajara Beevi	Associate Professor	CH/09/04	B.Sc., M.Sc., Ph.D.	1. Environmental Chemistry	Chemistry
17	Dr. J. Herbert Mabel	Assistant Professor	CH/09/06	B.Sc., M.Sc., M.Phil., Ph.D.	1. Catalysis 2. Physical Organic Chemistry	Chemistry
18	Dr. S. Bhagavathy	Associate professor	CH/10/08	B.Sc., M.Sc.,	1. Synthetic Heterocyclic Chemistry 2. Synthesis of Glycosidase Inhibitors 3. Synthesis of Chisel Sugar for Anti Cancer 4. Synthesis of Sugar to Cycle Alkanes 5. Enzyme Arrays of Glycosidase	Chemistry
19	Dr. J. Elangovan	Assistant Professor	CH/10/09	Ph.D.	1. Synthetic Organic Chemistry	Chemistry
20	Dr. S. Mahasampath Gowri	Assistant Professor	CH/11/10	B.Sc., M.Sc., M.Phil., Ph.D.	1. Organic Chemistry 2. Organic Synthesis of Biologically Active Compounds 3. Organic Asymmetric Synthesis	Chemistry

Sl. No.	Name of the faculty	Designation	Research Supervisor Recognition Reference Number	Qualifications	Specific area in which guidance offered	Department
21	Dr. Asha Jhonsi	Assistant Professor	CH/11/11	B.Sc., M.Sc., Ph.D.	1. Photo induced interactions (Electron & Energy Transfer) Nano particles & quantum dots synthesis & functionalization Light induced reaction between organic sensitizers & Inorganic NPs. Dye Sensitized solar cells (DSSCs)	Chemistry
22	Dr. T. Arumuganathan	Assistant Professor	CH/12/13	B.Sc., M.Sc., Ph.D.	1. Mo, W and V based oxide clusters synthesis and characterization catalysis	Chemistry
23	Dr. G. Gopalakrishnan	Associate professor	CH/12/14	B.Sc., M.Sc., Ph.D.	1. Heterogeneous catalysis 2. Alternate Fuels	Chemistry
24	Dr. M. Vajjiravel	Assistant Professor	CH/13/15	B.Sc., M.Sc., Ph.D.		Chemistry
25	Dr. Noor Aman Ahrar Mundari	Assistant Professor	CH/13/16	B.Sc., M.Sc., Ph.D.		Chemistry
26	Dr. Revathi Purushothaman	Associate professor	CH/13/17	B.Sc., M.Sc., Ph.D.		Chemistry
27	Dr. V. Murugesan	Director (Sponsored Research & Consultancy)	CH/13/18	B.Sc., M.Sc., Ph.D.		Chemistry



<b>Sl. No.</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Research Supervisor Recognition Reference Number</b>	<b>Qualifications</b>	<b>Specific area in which guidance offered</b>	<b>Department</b>
28	Dr. M.V. Molykutty	Professor & Dean (SMBS)	CE/09/03	B.Tech., M.Tech., Ph.D.	1. Water Resources Engineering 2. Water Shed Modelling 3. Ground Water Modelling 4. Water Quality Modelling 5. Watershed Management Using GIS 6. Application of GIS in Civil Engineering.	Civil
29	Dr. E. Rasul Mohideen	Professor	CE/09/04	B.Sc., M.Sc., Ph.D.	1. Geology 2. Remote Sensing 3. Geographical Information Systems	Civil
30	Dr. M.S. Haji Sheik Mohammed	Professor & Head	CE/09/06	B.E., M.S(By Research), Ph.D	1. Corrosion control of steel in concrete 2. Durability Enhancement of Concrete Structures 3. Polymer modified concrete / mortar - Development 4. Water proofing of concrete structures	Civil

Sl. No.	Name of the faculty	Designation	Research Supervisor Recognition Reference Number	Qualifications	Specific area in which guidance offered	Department
31	Dr. Vasanthi Padmanaban	Professor	CE/10/07	B.Tech., M.Tech., Ph.D.,	1. Soil structure Interaction 2. Ground water corlamination Modelling 3. Remediation of Corlaminated sited 4. Water treatment – New Technologies 5. Soil pollutant Interaction	Civil
32	Dr. J. Revathy	Associate professor	CE/10/08	B.E., M.E., Ph.D.	1. Rehabilitation of structures 2. Composite Materials 3. Seismic Design & structures	Civil
33	Dr. P. Gajalakshmi	Assistant Professor	CE/12/09	B.E., M.Tech., Ph.D.	1. Steel Concrete Composite structural members 2. Reinforced concrete Beam- column Joints 3. Prestressed concrete structural members 4. Finite element modeling of structural members 5. Static and dynamic analysis of structural members	Civil

Sl. No.	Name of the faculty	Designation	Research Supervisor Recognition Reference Number	Qualifications	Specific area in which guidance offered	Department
34	Dr. Angelina Geetha	Professor & Head	CS/09/03	B.Sc., M.C.A., M.E., Ph.D.	1. Information Retrieval, Natural Language Processing 2. Human - Computer Interfaces 3. Web Mining, Data Mining, Text Mining <del>4. Wireless Networks</del>	CSE
35	Dr. K.M. Mehata	Professor & Dean (SCIS)	CS/09/04	M.Sc., Ph.D.	1. Software Engineering 2. Soft Computing 3. Computer Networks	CSE
36	Dr. R. Shriram	Professor & Director (FTA)	CS/10/05	B.E., M.E., Ph.D.	1. Mobile Computing 2. Pervasive Computing 3. Language Technologies 4. Text mining 5. Grid Computing	CSE
37	Dr. Sharmila Shankar	Professor	CS/12/07	M.Sc., M.Tech., Ph.D.	1. Mobile Adhoc Networks 2. Algorithmic Techniques 3. Wired and Wireless Networks 4. Ubiquitous Computing	CSE

Sl. No.	Name of the faculty	Designation	Research Supervisor Recognition Reference Number	Qualifications	Specific area in which guidance offered	Department
38	Dr. M. Sandhya	Professor	CS/12/06	B.E., M.E., Ph.D.	1. Security in RFID and Mobile RFID Systems 2. Database Management System 3. Security in Wireless Networks 4. Data Mining & Warehousing	CSE
39	Dr. W. Aisha Banu	Professor	CS/13/08	B.E., M.E., Ph.D.	1. Data mining and Warehousing 2. Information Retrieval 3. Mobile Application Computing 4. Ubiquitous Computing 5. Language Technology	CSE
40	Dr. S. Kaja Mohideen	Professor & Head, Dean (SA)	EC/09/01	B.E., M.E., Ph.D.	1. VLSI Circuit Design 2. Digital System Design 3. Image Processing 4. Wireless Networks	ECE
41	Dr. N. Nithiyanandam	Professor & Dean (SECS)	EC/09/03	B.E., M.Sc.. (Engg.), Ph.D.	1. Digital Speech Processing 2. Digital Image Processing 3. Digital Modulation Techniques 4. Bio-medical Signal Processing	ECE
42	Dr. P.K. Jawahar	Professor	EC/10/04	B.E., M.Tech., Ph.D.	1. VLSI Design 2. Embedded Systems 3. Computer Networks	ECE

Sl. No.	Name of the faculty	Designation	Research Supervisor Recognition Reference Number	Qualifications	Specific area in which guidance offered	Department
43	Dr. C. Tharini	Professor	EC/12/05	B.E., M.E., Ph.D.	1. Wireless Network Communication Signal Processing Embedded Systems	ECE
44	Dr. R. Raja Prabu	Professor & Head Dean (Academic Research)	EE/09/01	B.E., M.E., Ph.D.	1. Outdoor Polymeric Insulators 2. Bio-electrics 3. Power Quality 4. Online condition monitoring of electric equipment 5. Digital protection	EEE
45	Dr. K.N. Srinivas	Professor	EE/09/02	A.M.I.E., M.E., Ph.D.	1. Design & analysis of switched reluctance machine 2. Power electronic in switched reluctance machine 3. Power system operation & control	EEE
46	Dr. R. Jayashree	Professor	EE/09/04	B.E., M.E., Ph.D.	1. ATC enhancement in power system 2. Congestion Management in power system 3. FACTS devices applications to power system 4. Economic Dispatch	EEE

<b>Sl. No.</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Research Supervisor Recognition Reference Number</b>	<b>Qualifications</b>	<b>Specific area in which guidance offered</b>	<b>Department</b>
47	Dr. M. Abdullah Khan	Professor of Eminence	EE/09/05	B.E., M.Sc.. (Engg.), Ph.D.	<ol style="list-style-type: none"> <li>1. Congestion Management in Deregulated Power Systems</li> <li>2. Optimal supply of VAR service and allocation in Power Systems</li> <li>3. Optimal supply of loss and allocation in deregulated Power</li> </ol>	EEE
48	Dr.I. Mohamed Rafeequdin	Professor	IC/09/01	B.E., M.Sc.. (Engg.), Ph.D.	<ol style="list-style-type: none"> <li>1. Voltage Stability Analysis</li> <li>2. Power System Load Modelling</li> <li>3. Use of Particle Swam Optimization (PSO) for Power System Operation &amp; Control</li> </ol>	EEE
49	Dr. K. Boopathy	Associate professor	EE/13/06	B.E., M.E., Ph.D.	<ol style="list-style-type: none"> <li>1. Power Electronics and Drives</li> <li>2. Industrial Electronics Drives</li> <li>3. Chopper Application to Drives</li> <li>4. Special Electrical Machines</li> </ol>	EEE

<b>Sl. No.</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Research Supervisor Recognition Reference Number</b>	<b>Qualifications</b>	<b>Specific area in which guidance offered</b>	<b>Department</b>
50	Dr. T.R. Rangaswamy	Professor & Head, Dean (Academic Affairs)	IT/09/01	B.E., M.E., Ph.D.	1. Networking & Security 2. Soft Computing 3. Automation & Controls, Sensor Networks 4. Software Testing 5. Intelligent Systems	EIE
51	Dr. D. Najumnissa Jamal	Professor	EI/12/05	B.E., M.E., Ph.D.	1. Biosignal Processing 2. Modelling of biosignals 3. Computational / Cognitive neuroscience 4. Biomedical Engineering 5. Power Plant Instrumentation	EIE
52	Dr. U. Sabura Banu	Professor	IC/10/04	B.E., M.Sc., Ph.D.	1. Nonlinear Process Control 2. Evolutionary Optimization based Control 3. Intelligent Modeling & Control	EIE

<b>Sl. No.</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Research Supervisor Recognition Reference Number</b>	<b>Qualifications</b>	<b>Specific area in which guidance offered</b>	<b>Department</b>
53	Dr. A. Shahin Sultana	Professor	EN/09/01	B.Sc., M.A., M.Phil., Ph.D.	1. English Language Teaching 2. English for specific purposes 3. Computer assisted language learning (computer oriented) 4. Communication Skills (Listening, Reading, Speaking and Writing)	English
54	Dr. P.M. Usha Rani	Professor & Head	EN/09/02	B.A., M.A., M.Phil., Ph.D.	1. English Language Teaching (Listening, Reading, Speaking and Writing) 2. Literature.	English
55	Dr. R. Revathi	Associate professor	EN/09/03	B.A., M.A., Ph.D.	1. Computer assisted English Language Teaching 2. Technology oriented language teaching 3. Teaching English for specific purpose 4. Teaching English to Speakers of other languages (TESOL)	English
56	Dr. P. Rathna	Associate Professor	EN/12/04	B.A., M.A., M.Phil., Ph.D.	1. Post Colonial Literature 2. Literature of the Marginalised (Dalit Literature) 3. Feminist Studies 4. Aboriginal Literature	English



<b>Sl. No.</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Research Supervisor Recognition Reference Number</b>	<b>Qualifications</b>	<b>Specific area in which guidance offered</b>	<b>Department</b>
57	Dr. P.S. Syed Masood	Dean (School of Islamic Studies)	IS/11/01	B.A., M.A., (Arabic)	1. Islamic Studies 2. Islamic Finance 3. Arabic Language and Literature	Islamic Studies
58	Dr. V. Sankaranarayanan	Professor of Eminence / Director (University Projects)	IT/09/02	B.E., M.Sc.. (Engg.), Ph.D.	1. Network Security 2. Quality of Service 3. Mobile Adhoc Network, Security & Protocols	IT
59	Dr. M. Latha Tamilselvan	Professor & Head	IT/09/03	B.E., M.E., Ph.D.	1. Mobile Adhoc Networks 2. Wired & Wireless Network 3. Cryptography & Network Security 4. Grid Computing 5. Sensor Networks	IT
60	Dr. P. Panneerselvam	Librarian (Senior Grade)	LS/09/01	M.A., M.L.I.Sc., Ph.D.	1. Library Management 2. Library Automation 3. Digital Library 4. Emerging topics in Library Science	Library
61	Dr. S. Rajasekaran	Professor	MA/09/02	B.Sc., M.Sc., Ph.D.	1. Mathematical Modeling 2. Geometric Function Theory 3. Mathematical Biology	Mathematics
62	Dr. S. Srinivasan	Professor & Head	MA/09/04	B.Sc., M.Sc., Ph.D.	1. Operation Research 2. Discrete Mathematics 3. Graph Theory 4. Fuzzy Logic	Mathematics

<b>Sl. No.</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Research Supervisor Recognition Reference Number</b>	<b>Qualifications</b>	<b>Specific area in which guidance offered</b>	<b>Department</b>
63	Dr. P.S. Sehk Uduman	Professor	MA/09/03	B.Sc., M.Sc., Ph.D.	1. Operation Research 2. Fuzzy Logic 3. Graph Theory 4. Discrete Mathematics	Mathematics
64	Dr. K. Raja Chandrasekar	Assistant Professor	MA/13/05	B.Sc., M.Sc., M.Phil., Ph.D.	1. Alorithmic Graph Theory	Mathematics
65	Dr. A. S. Prasanna Venkatesan	Assistant Professor (Sr. Grade)	MA/13/06	B.Sc., M.Sc., Ph.D.		Mathematics
66	Dr. C. Uma Maheswari	Assistant Professor	MA/13/07	B.Sc., M.Sc., Ph.D.		Mathematics
67	Dr. P. Arathi	Assistant Professor	MA/13/08	B.Sc., M.Sc., Ph.D.		Mathematics
68	Dr. M. Murugan	Professor & Head	ME/09/04	B.E., M.E., Ph.D.	1. Metal Cutting 2. Process Monitoring in Manufacturing 3. Vision Based Metrology 4. Computer Integrated Manufacturing	Mechanical
69	Dr. V.M. Periasamy	Registrar	ME/09/02	B.E., M.E., Ph.D.	1. Fracture Mechanics 2. Surface Engineering 3. Composite Materials 4. Material Science	Mechanical

Sl. No.	Name of the faculty	Designation	Research Supervisor Recognition Reference Number	Qualifications	Specific area in which guidance offered	Department
70	Dr. R. Ganesan	Professor of Eminence & Advisor (Academic Research)	ME/09/03	B.E., M.Tech., Ph.D.	1. Modelling and Simulation of business system 2. Systems & O.R. Techniques 3. Production Management 4. Supply Chain Management 5. Transportation Management	Mechanical
71	Dr. V. Githaguru	Professor	ME/09/01	B.E., M.S., Ph.D.	1. Bio-Tribology / Spherical joint wear /Contact mechanics 2. Aerodynamics of wind turbines and blades. 3. Shells, Folded plate and Tower structures.	Mechanical
72	Dr. K. Suresh Kumar	Professor	ME/09/05	B.E., M.E., Ph.D.	1. Renewable Energy Utilization 2. Bio Energy 3. Solar Energy Utilization & Storage	Mechanical
73	Dr. K.M. Abubacker	Professor	ME/09/06	B.E., M.E., Ph.D.	1. Design Optimization of machine components 2. Evolutionary Computations in Automotive Applications.	Mechanical
74	Dr. R. Rajendran	Professor	ME/09/07	B.E., M.E., Ph.D.	1. Surface Engineering 2. Corrosion	Mechanical

<b>Sl. No.</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Research Supervisor Recognition Reference Number</b>	<b>Qualifications</b>	<b>Specific area in which guidance offered</b>	<b>Department</b>
75	Dr. S. Rasool Mohideen	Professor	ME/09/08	B.E., M.E., Ph.D.	1. Fracture Mechanics 2. Cryogenic treated Weldments	Mechanical
76	Dr. K. Venkateswaran	Professor	ME/13/11	M.Sc., M.Tech., Ph.D.	1. Powder Metallurgy 2. Tribology 3. Super Plastic Forming 4. Nano Materials	Mechanical
77	Dr. A. S. Selvakumar	Associate professor	ME/13/12	B.E., M.E., Ph.D.	1. Metal Forming Process 2. Manufacturing related topics	Mechanical
78	Dr. H. Siddhi Jailani	Assistant Professor (Sel. Grade)	ME/13/13	B.E., M.E., Ph.D.		Mechanical
79	Dr. S. Chandran	Physical Director (Selection Grade)	PE/09/01	B.Sc., B.P.Ed., M.P.Ed., M.Phil., Ph.D.	1. Construction of skill tests and compilation of norms for games 2. Coaching and training methods 3. Exercise Physiology 4. Sports Management and Organisational Skills 5. Nutrition and Physical Fitness to specific event	Physical Education

Sl. No.	Name of the faculty	Designation	Research Supervisor Recognition Reference Number	Qualifications	Specific area in which guidance offered	Department
80	Dr. R. Auvai	Physical Director (Senior Grade)	PE/09/02	B.P.E.S., B.P.Ed., M.P.Ed., M.Phil., Ph.D.	<ol style="list-style-type: none"> <li>1. Yoga–Yogasana and Pranayana for health</li> <li>2. Physical Exercises in various games and sports</li> <li>3. Physiotherapy, Massage Manipulation and Rehabilitation</li> <li>4. Psychological changes in Anxiety level, stress &amp; aggression</li> <li>5. Anatomy and physiology of exercises</li> <li>6. Physical exercises on health related physical fitness</li> <li>7. Sports management/Human resource management</li> </ol>	Physical Education
81	Dr. I.B. Shameem Banu	Professor & Dean (SSH)	PH/09/01	B.Sc., M.Sc., M.Phil., Ph.D.	<ol style="list-style-type: none"> <li>1. Magnetic properties of solids</li> <li>2. Optical properties of solids</li> <li>3. Weakly and strongly correlated systems</li> <li>4. Phase transition</li> </ol>	Physics
82	Dr. M. Basheer Ahamed	Professor	PH/09/02	B.Sc., M.Sc., M.Phil., Ph.D.	<ol style="list-style-type: none"> <li>1. Energy transfer distributed feedback dye lasers</li> <li>2. Optical phase conjugation</li> <li>3. Non-linear Optics</li> </ol>	Physics

<b>Sl. No.</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Research Supervisor Recognition Reference Number</b>	<b>Qualifications</b>	<b>Specific area in which guidance offered</b>	<b>Department</b>
83	Dr. I. Raja Mohamed	Professor	PH/09/03	B.Sc., M.Sc., M.Phil., Ph.D.	1. Non linear Dynamics – Bifurcation Theory 2. Chaos theory and applications	Physics
84	Dr. S. Begam Elavarasi	Assistant Professor	PH/11/05	B.Sc., M.Sc., Ph.D.	1. Non Linear Dynamics 2. Circuit Design and Applications	Physics
85	Dr. J. Thirumali	Assistant Professor	PH/11/06	B.Sc., M.Sc., M.Phil., Ph.D.	1. Luminescence Quantum Blinking Nanophosphors for opto-electronic applications Nanomaterial synthesis & self-assembly (colloidal) of nanomaterials Inorganic & bio-inorganic research Dilute magnetic semiconductors, spintronics and sensor applications	Physics
86	Dr. S. Krishnan	Assistant Professor	PH/12/08	B.Sc., M.Sc., Ph.D.	1. Crystal Growth 2. Nanomaterials	Physics

<b>Sl. No.</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Research Supervisor Recognition Reference Number</b>	<b>Qualifications</b>	<b>Specific area in which guidance offered</b>	<b>Department</b>
87	Dr. R. Indirajith	Assistant Professor	PH/12/09	B.Sc., M.Sc., Ph.D.	1. Thin Films Deposition and Characterizations 2. Crystal Growth and Characterizations 3. Nanomaterials Synthesis and Characterizations 4. Device Fabrication using thin films and crystals	Physics

Sl. No.	Name of the faculty	Designation	Research Supervisor Recognition Reference Number	Qualifications	Specific area in which guidance offered	Department
88	Dr. E. Manikandan	Research Scientist	PNTC/12/01	B.Sc., M.Sc., M.C.A., P.G.D.S.T., Ph.D.	<ol style="list-style-type: none"> <li>1. Nano-structured Materials of Field Emission (FE), Sensors and bio-medical Application</li> <li>2. Thin-films coating: epitaxial, multi-layers by PLD, PVD, RD &amp; D.C sputtering techniques for OXIDES, CARBIDES and NITRIDES</li> <li>3. Ion beam Technique and Analysis (IBA) using RBS, PIXE-PIGE, ERDA and NRA</li> <li>4. Surface Sciences &amp; Material modifications</li> <li>5. Laser Synthesis single walled-carbon nanotubes (SWCNTs) and growth Mechanism, LIBS/LIPS (laser induced plasma/breakdown) spectroscopy</li> <li>6. Bio-Geo materials (Lichen, Blood Serum, kidney stone, tissue &amp; medical plant Tulsi and Beach Rock, coastal soil/sediments) analysis by IBA techniques and</li> </ol>	Physics



<b>Sl. No.</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Research Supervisor Recognition Reference Number</b>	<b>Qualifications</b>	<b>Specific area in which guidance offered</b>	<b>Department</b>
89	Dr. S.Syed Mohamed Abdul Majeed	Professor & Head	PT/09/03	B.Sc., M.Sc., M.Phil., Ph.D.	<ol style="list-style-type: none"> <li>1. Polymer Synthesis and Characteristics</li> <li>2. Polymer Nano composites</li> <li>3. Polymeric High Voltage Insulators</li> <li>4. Polymer concrete</li> <li>5. Corrosion Resistant Hybrid Coatings</li> </ol>	Polymer
90	Dr. R. Vasanthakumari	Professor & Director (PNTC)	PT/09/01	B.Sc., M.Sc., Ph.D.	<ol style="list-style-type: none"> <li>1. Polymer Synthesis and characterization</li> <li>2. Conducting Polymers</li> <li>3. Polymer Nano composites &amp; Nano fibers</li> <li>4. Poly alloys and blends</li> <li>5. Polymer crystallization</li> </ol>	Polymer

**ANNEXURE No. IX**

**COMPOSITION OF RESEARCH BOARD**

**DEAN (ACADEMIC RESEARCH)**  
**B.S ABDUR RAHMAN UNIVERSITY, CHENNAI – 600 048**

**Constitution of Research Board**

Sl.No.	Designation	Name	Position
1.	Dean (Academic Research)	Dr. R. Raja Prabu	Chairman
2.	Advisor ( Academic Research)	Dr. R. Ganesan	Member
3.	Dean ( School of Mechanical Sciences)	Dr. M. Murugan	Member
4.	Dean (School of Infrastructure)	Dr. M.V. Molykutty	Member
5.	Dean (School of Electrical and Communication Sciences)	Dr. S. Kaja Mohideen	Member
6.	Dean (School of Computer, Information and Mathematical Sciences)	Dr. K.M. Mehata	Member
7.	Dean (School of Physical and Chemical Sciences)	Dr. I.B. Shameem Banu	Member
8.	Dean (School of Social Sciences & Humanities)	Dr. A. Shahin Sultana	Member
9.	Dean ( Crescent Business School)	Dr. Mirza S. Saiyadain	Member
10.	Dean (School of Architecture)	Prof. S. Ravi	Member
11.	Dean (Academic Affairs)	Dr. T.R. Rangaswamy	Member
12.	Dean (Student Affairs)	Dr. S. S. M. Abdul Majeed	Member
13.	Director (Consultancy & Sponsored Research)	Dr. V. Murugesan	Member
14.	Director (University Projects)	Dr. V. Sankaranarayanan	Member
15.	Professor of Eminence / EEE	Dr. M. Abdullah Khan	Member
16.	Director (Admission & Campus Development)	Alhaj V.N.A. Jalal	Spl. Invitee
17.	Registrar	Dr. V. M. Periasamy	Spl. Invitee

**ANNEXURE No. X**

**COMPOSITION OF  
RESEARCH ADVISORY COMMITTEE**

**DEAN (ACADEMIC RESEARCH)**  
**B.S ABDUR RAHMAN UNIVERSITY, CHENNAI – 600 048**

**RESEARCH ADVISORY COMMITTEE**

<b>Sl.No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Jalees Ahmed Khan TAREEN Vice Chancellor B.S. Abdur Rahman University	Chair Person
2	Dr. Asit Baran Mandal Director Central Leather Research Institute	Member
3	Dr. P. Chellapandi Associate Director Nuclear Engg. Group IGCAR, Kalpakkam	Member
4	Dr. K. Dharmalingam Senior Professor School of Bio-Technology Madurai Kamaraj University, Madurai	Member
5	Dr. N. Lakshmanan Research Adviser and Former Director Structural Engg. Research Centre Tharamani	Member
6	Dr. R. Mahadevan Director India Pistons Maraimalai Nagar	Member
7	Dr. S.K. Nayak Director General CIPET	Member
8	Dr. K. Prasada Rao Professor Dept. of Metallurgical & Materials Engg, I.I.T	Member
9	Dr. S.M. Ramaswamy Vice Chancellor Gandhi Gram University Dindigul 624 302	Member

10	Dr. B. Subbarao Head, EMC & CAL Division CIT Campus, 2nd Cross, Road, Tharamani	Member
11	Dr. M. Abdullah Khan Professor of Eminence (EEE) B.S. Abdur Rahman University	Member
12	Dr. R. Ganesan Advisor (Academic Research) B.S. Abdur Rahman University	Member
13	Dr. V. Murugesan Director, Sponsored Research and Consultancy B.S. Abdur Rahman University Chennai	Member
14	Dr. K.M. Mehata Dean (SCIMS) B.S. Abdur Rahman University	Member
15	Dr. I. Mohammed Bilal Controller of Examinations B.S. Abdur Rahman University	Member
16	Dr. V.M. Periasamy Registrar B.S. Abdur Rahman University	Member
17	Director (University Projects) B.S. Abdur Rahman University	Member
18	Dr. R. Vasantha Kumari Director, Polymer Nano Technology Centre B.S. Abdur Rahman University	Member
19	Dr. R. Raja Prabu Dean (Academic Research) B.S. Abdur Rahman University	Member Secretary