

	J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD NAAC 'A' Grade Accredited State Govt. University
Admission under AICTE Doctoral Fellowship (ADF) Applications are invited for Ph.D. under ADF on full time basis of 3 years duration for the odd semester for session 2021-22	
Fellowship Amount: Rs. 31,000 pm (1 st +2 nd yr.), Rs. 35,000 pm (3 rd yr.)	
Broad thrust areas for the research:- Green Technologies; Big Data, Machine Learning & Data Sciences; Block Chain; Artificial Intelligence; Energy Production and Storage; Electronics & Photonics; Robotics and Mechatronics; Augmented Reality (AR)/ Virtual Reality (VR); Energy Efficiency, Renewable and sustainable Energy; Electric and Hybrid Mobility; Smart Cities, Housing and Transportation; Internet of Things (IoT); 3D Printing; Quantum Computing; Smart Technologies for Agriculture and Food Industry; Cyber Security	
Departments: Computer Engg., Mechanical Engg., Electrical Engg., Electronics Engg., Civil Engg.	
Minimum eligibility criteria: Minimum 70% Marks/equivalent CGPA at both Bachelors and Masters. For SC/ST/PH candidates, minimum 65% Marks/equivalent CGPA. In addition to above, the candidate should have qualified GATE/NET during the last 5 years.	
Age: Less than 30 years as on date of admission. Age relaxation of 5 years to SC/ST, women and PH category.	
Opening Date: 04.09.2021 Closing Date: 25.09.2021 For online application form and guidelines, please visit our website : www.jcboseust.ac.in REGISTRAR	
📍 NH- 2, SECTOR-6, MATHURA ROAD, FARIDABAD, HARYANA-121006	

Click on the below mentioned link to fill admission form

<https://jcbust.nopaperforms.com/>

Apply for: AICTE PhD Fellowship

For more details, please refer to the attached
Guidelines for AICTE Doctoral Fellowship (ADF) 2021-22.



**GUIDELINES FOR
AICTE DOCTORAL FELLOWSHIP (ADF)**

2021-22
योग: दमेसु जीशालम्



अखिल भारतीय तकनीकी शिक्षा परिषद् All India Council for Technical Education

AICTE DOCTORAL FELLOWSHIP (ADF)

1.0 OBJECTIVES: -

The objectives of the ADF scheme are:

- To promote research culture in AICTE approved Institutions.
- To promote collaborative research between Institute and Industries leading to start-ups.
- To nurture talents for technical research.

2.0 BRODD THRUST AREAS FOR THE RESEARCH: -

Some of the broad thrust areas (but not limited) for the research are as follows: -

- Green Technologies
- Big Data, Machine Learning & Data Sciences
- Block Chain
- Artificial Intelligence
- Energy Production and Storage
- Electronics & Photonics
- Nuclear Engineering and Allied Technologies
- Robotics and Mechatronics
- Augmented Reality (AR)/ Virtual Reality (VR)
- Energy Efficiency, Renewable and sustainable Energy
- Electric and Hybrid Mobility
- Smart Cities, Housing and Transportation
- Internet of Things (IoT)
- 3D Printing
- Quantum Computing
- Smart Technologies for Agriculture and Food Industry
- Water purification, conservation and management
- Public Policy
- Social & Organizational Psychology & Behaviour
- Cyber Security

3.0 ELIGIBILITY CRITERIA FOR THE AWARD OF FELLOWSHIP: -

The detailed criteria for the award of fellowship are as follows:

- a) The candidate must have secured the minimum percentage of educational qualification prescribed for eligibility as in Under Graduate and Post Graduate be 70% (69.5 % and above) for General/OBC candidates, whereas for SC/ST/Physically Handicapped (PH) be 65% (64.5 % and above). In the absence of percentage, the candidate must have secured minimum cumulative grade point average (CGPA) of 7.5 on the scale of 10 or equivalent at Bachelors and Masters whereas for SC/ST/Physically Handicapped (PH) it is 7.0 on the scale of 10. In addition to above, the candidate should have qualified GATE/ NET during the last 5 years.

- The students serving as faculty under TEQIP scheme can also be given preference for admission in this programme.
 - The minimum percentage criterion for the Indian students' qualified Bachelor/Master's degree from Foreign Universities shall be waived off but student will have to qualify GATE exam during last 5 years.
- b) The candidate should be less than 30 years of age as on date of admission in respective University. However, age relaxation of 5 years would be applicable to candidates belonging to SC/ ST/Women/Physically challenged category.
 - c) AICTE supported ADF fellowship is not admissible to left out students, who have already availed the ADF fellowship from AICTE, on his/her taking admission for the 2nd time in any other University/Institutes.

4.0 DURATION OF THE SCHEME: -

- a) The duration of the scheme shall be for a period of 3 Years. Normally, no further extension will be granted. In exceptional cases the duration is extendable by 1 year as a special case only on fulfilling the minimum eligibility and on the recommendation of University in the prescribed format duly filled in and signed for consideration of extension of fellowship beyond 3 years as per **Annexure-B**.
- b) The criteria for extension is that a candidate must fulfill the following conditions:
 - i) The candidate must score a minimum overall score of 10 marks under different parameters as prescribed in the format.
 - ii) Completed the Course work.
 - iii) Completion of the Registration of the Ph.D. Programme & approval of the Research proposal by the University.
 - iv) Must have published One paper in SCI/SCI-E/Scopus journal.
- c) The assessment shall be carried out by the concerned University for final recommendation for extension of fellowship of research scholars under AICTE Doctoral Fellowship (ADF) scheme for one more year after completion of 03 years of fellowship. On the basis of this recommendation AICTE will process for the release of fellowship for the extended period.

Scholars who failed to secure the minimum eligibility condition for extension of one year beyond 36 months may continue their Ph.D. programme beyond 36 months without any fellowship under ADF Scheme as per term & condition of respective Universities. In future, if they are able to complete the minimum requirement within 48 months from date of start of their fellowship, their case may be considered from that month upto the remaining period of the fellowship i.e. maximum upto 4 years.

5.0 AMOUNT OF FELLOWSHIP: -

The fellowship will be Rs. 31,000/- pm for the first two years followed by Rs. 35,000/- pm for the third year. HRA will be provided at the rate of 8%, 16% and 24% as per the Government of India (GoI) norms as applicable in the city/ location where the Research Fellow is pursuing their research. HRA will not be admissible to those scholars who are availing hostel facility of the University/Institute. In addition, Contingency Grant will be admissible to the scholars at the rate of Rs.15, 000/- per annum to meet the miscellaneous expenditures.

After completion of two years the upgradation from JRF to SRF shall be subject to fulfilling the following mandatory eligibility conditions: -

- i) Completed the Course work.
- ii) Submission of Registration letter from the University.
- iii) Research Proposal submitted and approved.
- iv) Recommendation of the Institute in prescribed format as per **Annexure-C**.

6.0 NUMBER OF FELLOWSHIP: -

Maximum of 363 Nos. of fellowship may be granted to 42 Universities in a year. The University-wise number of fellowship are enclosed in **Annexure A**.

7.0 ROLE AND RESPONSIBILITIES OF THE UNIVERSITIES: -

- a) University will assign one faculty as Nodal Officer for the scheme who will act as an interface between the University and AICTE on various operational aspects of the scheme.
- b) Universities will admit candidates in their research programme as per their procedure following minimum eligibility criteria as prescribed by AICTE.
- c) University will update joining report of the scholar on the online portal of AICTE along with bank accounts details and subsequently monthly attendance of the enrolled scholars through online portal for the disbursement of the fellowship directly in the scholar's account.
- d) University will ensure that scholar must be registered in the PhD programme and his/her research proposal is approved within one year of start of fellowship after completion of mandatory course work etc. falling which fellowship will be discontinued.
- e) Annual progress report of the enrolled scholar will be submitted online to AICTE for the continuation of fellowship.

8.0 CANCELLATION OF AWARD: -

The fellowship is liable to cancellation in case of:

- a) Non Completion of course work, non-registration in Ph.D. and non-approval of research proposal within one year from date of joining.
- b) Misconduct.
- c) Unsatisfactory progress of research work/ failure in any examination related to Ph.D.
- d) He/ She is found ineligible later.
- e) Any false information furnished by the applicant or any fraudulent activity by the Scholar/ Fellow/ Research Awardees shall lead to Penal action against him/ her.
- f) The fellowship may be terminated at any time during the tenure and the decision of the AICTE shall be final and binding.

9.0 TERMS AND CONDITIONS: -

- a) The fellowship/ HRA/ contingency will be granted to research scholars admitted in the Universities in the identified thrust areas of the scheme.
- b) Completion of course work, Registration for Ph.D. and approval of research proposal is mandatory within one year from the date of joining as a research fellow. If candidate has not completed above within one year from date of joining, then fellowship will be discontinued upto his/ her registration for Ph.D.
- c) In the cases where the fellowship has been discontinued as per clause (b) above, the fellowship may be resumed after the completion of above. However, the maximum tenure of fellowship in such cases will be limited to as mentioned in clause 4.0 above.
- d) The awardees shall submit an annual report on the progress, each year through the Research Supervisor, Head of the Department and Head of the Institute and University Nodal Officer to AICTE on the online portal for the continuation of fellowship.
- e) The final progress report should be submitted by the awardees through the concerned University to AICTE.
- f) The awardees shall not be allowed for transfer of fellowship from the Institution where the awardees are presently working for Ph.D. during the entire tenure of the fellowship.
- g) The awardees shall devote full-time to research during the tenure of fellowship and will not be permitted to take any part-time/ full-time assignment. He/ She will not accept any salary, fellowship or any type of financial assistance offered during the tenure of fellowship through any other source. Otherwise, the fellowship will have to be refunded for the entire period of getting financial assistances from other sources. The nature of the candidature (Full-time AICTE sponsored Doctoral Fellow) will not be changed during the program.
- h) The awardees shall give a declaration that if the results of research are such that can be exploited commercially by taking a patent or otherwise, commercial exploitation and patent rights should be with the Institute, candidate and supervisor. However, the rules of respective research University/Institute, if any, in this regards will be applicable.
- i) AICTE online portal will have mechanism for the purpose of releasing fellowship/ HRA/ contingency etc. amount directly in the bank account of the beneficiary through DBT.
- j) The term & conditions as notified by Department of Higher Education, Ministry of Human Resource Development vide F. Number 15-2/2019-TC dated 16.07.2019 shall be applicable to awardees.

k) If the progress of the candidate is not satisfactory as reported by the Supervisor/ Head of the Department /Head of the Research Institute/ University, the fellowship of the research scholar shall be terminated with immediate effect. This will not be revoked under any circumstances.

l) The Ph.D. rules/ regulations of the affiliating University will be applicable to all admitted candidates under this scheme.

m) No separate/ fixed medical assistance is provided. However, the research scholar may avail the medical facilities available in the Institution/ University/ College.

n) Leave:-

(i) Research scholars are entitled for a maximum period of 15 days Casual Leave (CL) and 30 days Medical Leave (ML) in a year in addition to public holidays. They are not entitled to any other vacations.

(ii) Research Scholars are eligible for maternity/ Paternity leave as per GoI norms issued from time to time at full rates of fellowship etc. once during the tenure of their award. However, maximum duration of fellowship will not be extended under any circumstances.

Note: All kinds of leave should be approved at the level of the University/ College/ Institute. Prior approval of the University/ Institution/ College is mandatory for all types of leaves.

o) Teaching Assistance (Work Load)

Teaching assistantship of not more than 8 hours/ week may be given to full time research scholars availing fellowship under ADF scheme and may include assistance in lab classes, tutorial support etc.

p) For those scholars who left the course midway, the fellowship shall be stopped.

q) The fellow shall not undertake any paid assignment during the tenure of the fellowship (Except in case of leave without fellowship up to one academic year during the entire tenure).

r) In case any research scholar avails the break during the fellowship period on medical ground with due permission of the University/Institute, the fellowship will be discontinued from the month of such break and shall be resumed on rejoining the program for the remaining period of fellowship.

s) In case any research scholar receives any financial assistance from any other organization during the tenure of course, with due permission of the university/institute, the scholar will not be entitled for the fellowship for the duration in which he/ she is availing such financial assistance and it shall be resumed on discontinuance of such external financial assistance. Further the period for which the scholar has received external financial assistance shall be deducted from the maximum duration of the fellowship.

Annexure A**UNIVERSITIES WISE ALLOCATION OF FELLOWSHIP**

S. No.	Name of University	State	No of Seats allotted
1	Jawaharlal Nehru Technological University, Anantapur	Andhra Pradesh	8
2	Jawaharlal Nehru Technological University, Kakinada		8
3	North Eastern Regional Institute of Science & Technology (Deemed to be University)	Arunachal Pradesh	8
4	Assam Science and Technology University, Guwahati	Assam	5
5	Tezpur University, Tezpur		11
6	Aryabhatta Knowledge University, Patna	Bihar	10
7	Chhattisgarh Swami Vivekanand Technical University, Bhilai	Chhattisgarh	10
8	Guru Gobind Singh Indraprastha University, New Delhi	Delhi	5
9	Jawaharlal Nehru University (JNU), New Delhi		8
10	Netaji Subhas University of Technology, New Delhi		6
11	Gujarat Technological University, Gujarat	Gujarat	15
12	Guru Jambheshwar University of Science & Technology, Hisar	Haryana	6
13	J. C. Bose University of Science and Technology (YMCA), Faridabad		7
14	Deenbandhu Chhotu Ram University of Science and Technology, Murthal		7
15	Himachal Pradesh Technical University (HPTU), Hamirpur	Himachal Pradesh	10
16	Jharkhand University of Technology, Ranchi	Jharkhand	5
17	Visvesvaraya Technological University (VTU), Belagavi	Karnataka	10
18	APJ Abdul Kalam Technological University, Thiruvananthapuram	Kerala	10
19	Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal	Madhya Pradesh	10
20	Swami Ramanand Teerth Marathwada University, Vishnupuri, Nanded	Maharashtra	4
21	Mumbai University, Mumbai		6
22	Shivaji University, Kolhapur		9
23	Savitribai Phule Pune University, formerly University of Pune		8
24	Sant Gadge Baba Amravati University, Amravati		9
25	Institute of Chemical Technology, Mumbai		11
26	Dr. Babasaheb Ambedkar Technological University, Lonere		5
27	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad		5

28	Biju Patnaik University of Technology, Rourkela	Odisha	10
29	Veer Surendra Sai University of Technology, Burla		8
30	Puducherry Technological University, Puducherry	Puducherry	3
31	I. K. Gujral Punjab Technical University (PTU), Jalandhar	Punjab	5
32	Maharaja Ranjit Singh Punjab Technical University, Bhatinda		5
33	Sant Longowal Institute of Engg & Technology (Deemed University)		8
34	Bikaner Technical University (BTU), Bikaner	Rajasthan	8
35	Rajasthan Technical University (RTU), Kota		8
36	Anna University, Chennai	Tamil Nadu	15
37	Jawaharlal Nehru Technological University, Hyderabad	Telengana	10
38	Tripura University (Central University)	Tripura	8
39	Dr. A. P.J. Abdul Kalam Technical University, Lucknow	Uttar Pradesh	18
40	Uttarakhand Technical University, Dehradun	Uttarakhand	15
41	Maulana Abul Kalam Azad University of Technology, Kolkata	West Bengal	10
42	Jadavpur University, Kolkata		16
	Total		363



**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
AICTE DOCTORAL FELLOWSHIP (ADF)**

**ASSESSMENT CRITERIA FOR GRANTING EXTENSION OF ONE YEAR AFTER COMPLETION
OF THREE YEARS**

1. Name of the Research Scholar: Ms/ Mr
2. Contact No.:
3. Email ID:
4. AICTE Student ID:
5. Date of Admission:
6. Department (Under which Ph.D. registered):
7. Name of the Institution / College:
(with complete address)
8. Name of the University:
(with complete address)
9. Ph.D. Registration Details
 - (a) Date of Ph.D. Registration:
 - (b) Registration No.:
(with reference No.)
10. Course Work Details
 - (a) Course work completed: Yes/ No
 - (b) If Yes, Date of completion of course work:
11. **Research Proposal:**
 - (a) Research proposal approved: Yes/No
 - (b) If yes date on which research proposal approved:
 - (c) Title of the Research Proposal:
 - (d) Name of the Research Supervisor:
 - (e) Designation of the Research Supervisor:
 - (f) Address :
 - (g) Mobile Number:
 - (h) Email:
12. a) Whether JRF to SRF under ADF scheme granted: Yes/No
b) If yes, date on which granted:

ASSESSMENT CRITERIA

S.No.	PARAMETERS	SUB-PARAMETERS	Marks Allocation Criteria	Nos.	Marks Scored by Scholar
1.	Journal Publications (marks per paper)	SCI	5		
		E-SCI/SCI-E	4		
		Scopus	3		
		UGC Approved (Non Paid journal)	2		
2.	Conference/ Seminar Publications (marks per paper)	International Professional Society conducted like IEEE/ASME/ACE etc. Paper presented and published in proceeding	3		
		International Professional Society conducted like IEEE/ASME/ACE etc. Paper presented but not published in proceeding	2		
		International/National Elsevier or Springer sponsored conference/ seminar supported by National/Regional professional body. Paper Presented and published in proceeding	1.5		
		Others including conference/seminar Presented and published in proceeding	1		
3.	Developed Innovative Product/ Started Startup	Prototype/ Product Developed and work started	5 marks		
		Only Prototype/Product Developed	3 marks		
4.	Patent (per patent/disclosure)	Awarded and Technology transferred	10 marks per patent		
		Awarded	5 marks per patent		
		Filed and registered	3 marks per patent		
		Invention disclosure filed	2 marks per disclosure		

5.	Course Work	CGPA 10	6		
		CGPA 9 and less than 10	5		
		CGPA 8 and less than 9	4		
		Rest all	3 (Course work passed with less than 8 CGPA)		
6.	DRC Committee Grading (On the basis of the presentation of scholars & evaluation by DRC or equivalent committee)	Recommended	Outstanding	6	
			Very good	5	
			Good	4	
		Not Recommended	No marks		
Total Marks:					

I hereby declare that the information given in this application is true and correct to the best of my knowledge and belief. In case any information given in this application proves to be false or incorrect, I shall be responsible for the consequences.

Enclosed:

- 1) A copy of the Ph.D. Registration letter.
- 2) A copy of the mark sheet of course work.
- 3) Copy of approval of research proposal with topic details.

Date:

Signature of the Research Scholar

Place:

Name:

University/Institute level

The details of the publications/certificates etc. under which the research scholar has claimed marks has been physically verified at the institute/university level and the claim submitted by him/her as above is found correct.

In the view of the above and the marked scored by the scholar is more than 10 (minimum marks required), and also the fact that he/she has published work to his/her credit, it is recommended to grant him/her extension of one year as a SRF after completion of three years under ADF scheme.

Signature with seal of **Supervisor (Guide)**

Name:
Designation:
Email Id:
Mobile No.:

Signature with seal of **Head of the Department**

Name:
Designation:
Email Id:
Mobile No.:

Signature with seal of **ADF Nodal Officer:**
(University Level)

Name:
Designation:
Email Id:
Mobile No.:

Signature with seal of **Registrar/ Director/Principal:**

Name:
Designation:
Email Id:
Mobile No.:



**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
AICTE DOCTORAL FELLOWSHIP (ADF)**

ASSESSMENT REPORT FOR UPGRADATION FROM JRF TO SRF UNDER THE ADF SCHEME

1. Name of the Research Scholar: Ms/ Mr
2. Contact No.:
3. Email ID:
4. AICTE Student ID:
5. Date of Admission:
6. Department (Under which Ph.D. registered):
7. Name of the Institution / College:
(with complete address)
8. Name of the University:
(with complete address)

9. Ph.D. Registration Details

- (c) Date of Ph.D. Registration:
- (d) Registration No.:
(with reference No.)

10. Course Work Details

- (c) Course work completed: Yes/ No
- (d) If Yes, Date of completion of course work:

11. Research Proposal:

- (a) Research proposal approved: Yes/No
- (b) If yes date on which research proposal approved:
- (c) Title of the Research: Proposal approved:
- (d) Name of the Research Supervisor:
- (e) Designation of the Research Supervisor:
- (f) Address :

- (g) Mobile Number:
- (h) Email:

Type	Conference	Workshop	Seminar	Total
International				
National				
Total				

1. No. of Papers Published in index / peer Journal after the date of admission under the ADF scheme with necessary proof:

Type	UGC-CARE list	Scopus Index	SCIE	Other Journal/ Conference Proceeding
International				
National				
Total				

I hereby declare that the information given in this application is true and correct to the best of my knowledge and belief. In case any information given in this application proves to be false or incorrect, I shall be responsible for the consequences.

Enclosed:

- 1) A copy of the Ph.D. Registration letter.
- 2) A copy of the mark sheet of course work.
- 3) Copy of approval of research proposal with topic details.

Date:

Signature of the Research Scholar

Place:

Name:

University/Institute level

1. Observation of Student Research Committee (SRC) (if existing)/ Supervisor (Guide)
 - (a) General Comments:

(b) Recommendation of SRC/ Supervisor (Guide) to promote the Research Scholar from JRF to SRF:

2. The Student Research Committee/ Guide assessed the performance of the student through their presentation followed by interview and recommended as follows:

(Tick whichever is applicable)

Satisfactory	
Good	
Very Good	
Outstanding	

3. In view of the above marked performance of the ADF scholar, and also the fact that he/she has published work to his/her credit, the Student Research Committee/ Guide makes the following recommendations.

Ms/ Mr..... may be upgraded from JRF to SRF w.e.f..... (Date)

The details of the publications/certificates etc. under which the research scholar has claimed marks has been physically verified at the Institute/University level and the claim submitted by him/her as above is found correct.

Signature with seal of **Supervisor (Guide)**

Signature with seal of **Head of the Department**

Name:
Designation:
Email Id:
Mobile No.:

Name:
Designation:
Email Id:
Mobile No.:

Signature with seal of **ADF Nodal Officer:**

Signature with seal of **Registrar/ Director/Principal:**

Name:
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Name:
Designation:
Email Id:
Mobile No.: