



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTAPURAMU (A.P.)**

**ADMISSION INTO FULL TIME PH.D. PROGRAMME 2020-21
(UNDER AICTE DOCTORIAL FELLOWSHIP (ADF) SCHEME)**

GUIDELINES FOR AICTE DOCTORIAL FELLOWSHIP

Jawaharlal Nehru Technological University Anantapur offers Full Time Ph.D. Programmes from the Academic Year 2020-21 sponsored by AICTE under **AICTE Doctoral Fellowship (ADF)** Scheme.

1. 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. NUMBER OF SEATS:

Total Number of Seats – **06 (Six)**

S.No.	Branch	Number of Seats
1.	CHEMICAL ENGINEERING	01
2.	COMPUTER SCIENCE AND ENGINEERING	01
3.	ELECTRONICS AND COMMUNICATION ENGINEERING	02
4.	ELECTICAL AND ELECTRONICS ENGINEERING	01
5.	MECHANICAL ENGINEERING	01

3. THRUST AREAS FOR THE RESEARCH:

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

- (1) Green Technologies
- (2) Big Data, Machine Learning & Data Sciences
- (3) Artificial Intelligence
- (4) Energy Production and Storage
- (5) Electronics & Photonics
- (6) Nuclear Engineering and Allied Technologies
- (7) Robotics and Mechatronics
- (8) Augmented Reality (AR)/ Virtual Reality (VR)
- (9) Energy Efficiency, Renewable and sustainable Energy
- (10) Electric and Hybrid Mobility
- (11) Smart Cities, Housing and Transportation
- (12) Smart Technologies for Agriculture and Food Industry
- (13) Water purification, Conservation and Management
- (14) Public Policy Social & Organizational Psychology & Behavior
- (15) Block Chain
- (16) 3D Printing
- (17) Internet of Things (IoT)
- (18) Cyber Security
- (19) Quantum Computing

4. CRITERIA FOR AWARD OF FELLOWSHIP:

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

The Fellowship/HRA/Contingency will be granted as per AICTE norms to the research scholars who will be admitted into Full Time Ph.D. Programmes in the academic year 2020-21 by following the norms of JNTUA and minimum eligibility criteria as prescribed by AICTE.

5. 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% as per the Government of India norms as applicable in the city/location where the Research Fellows are pursuing their research and are not provided any hostel accommodation in 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.

6. ELEGIBILITY CRITERIA:

Candidates having the following qualifications are eligible to apply for ADF scheme for PhD admission 2020-21.

- a) For OC/BC candidates, CGPA requirement will be 7.5 and above on the scale of 10 (or 75% and above marks) or equivalent at both B.E/B.Tech/ and M.E/M.Tech. For SC/ST/PH candidates, CGPA requirement will be 7.0 and above on the scale of 10 (or 70% and above marks) or equivalent at both B.E/B.Tech/ and M.E/M.Tech.
- b) In addition to the above, the candidate should have qualified in GATE examination during the last 5 years. (i.e. must have appeared in GATE examination in the last five years including GATE 2020 (2020, 2019, 2018, 2017, and 2016) and must have a valid GATE Score). While finalizing the candidates for admission/fellowship, 75% weightage will be given to Gate Score/Percentile and 25% weightage will be given to Interview.
- c) The scholars already undergoing Ph.D. programme in the Universities /Institutes are not eligible for drawing fellowship from AICTE under ADF Scheme. Only the scholars admitted for ADF scheme from the year of its implementation i.e. 2020-21 are eligible to draw fellowship from AICTE after fulfilling the guidelines for admission.

7. AGE LIMIT:

The candidate should be less than 30 years of age as on date of application for the AICTE Doctoral Fellowship Programme. However, age relaxation of 5 years would be applicable to candidates belonging to SC/ST, Women and Physically Challenged Categories.

8. DURATION OF THE SCHEME:

The duration of the scheme shall be for a period of 3 Years. Further one-year extension (In two slots of 6 months each) may be given by AICTE on the recommendation of JNTUA based upon the performance of the scholar in the research work.

9. RESERVATION CRITERIA:

- a) Seats will be filled based on roster norms of Government of A.P.
- b) If the candidates against the roster point is not available, then AP state Government roster norms will be followed to fill the vacancy with other category as per the reservation rules. Thereby it is advised to submit the applications by candidates of all categories in every discipline.
- c) If the number of applications received for a given roster category more than 5, then GATE merit/percentile/score will be set as cutoff for restricting the number of candidates in the respective discipline.

10. REGULATIONS AND GUIDELINES:

Both JNTUA Regulations 2018-19 and AICTE Guidelines 2020-21 will be applicable for these programmes.

11. CANCELLATION OF AWARD OF FELLOWSHIP:

The fellowship is liable for cancellation in the following cases:

- a) Misconduct.
- b) Unsatisfactory progress of research work/failure in any examination related to Ph.D.
- c) He / She is found ineligible later
- d) 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.
- e) The fellowship may be terminated at any time during the tenure and the decision of the AICTE will be final and binding.

12. TERMS AND CONDITIONS:

- a) The awardees shall submit an annual report on the progress of the research work each year to AICTE through the Research Supervisor, Head of the Department, Head of the Institute/College and University Nodal Officer.
- b) The final progress report also should be submitted by the awardees to AICTE through the Research Supervisor, Head of the Department, Head of the Institution/College and University Nodal Officer on the recommendations of Doctoral Research Committee (DRC) of the department.
- c) The awardees shall not be allowed for transfer of award from the Institution where the awardees are presently working for Ph.D. during the entire tenure of the award.
- d) 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 entire amount of fellowship will have to be refunded. The nature of the candidature (Full time AICTE sponsored Doctoral Fellow) will not be changed during the program.
- e) 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 institute, if any, in this regard will be applicable.
- f) 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.
- g) The service 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.
- h) 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 candidate will be terminated with immediate effect. This will not be revoked under any circumstances.
- i) The Ph.D. rules/regulations of the research institute and affiliating University will be applicable to all admitted candidates under this scheme.
- j) No separate/fixed medical assistance is provided. However, the fellow may avail the medical facilities available in the Institution/ University/ College.

13.LEAVE:

- a) Fellows are entitled for a maximum period of (i) 15 days of Casual Leave (CL) and (ii) 30 days of Medical Leave (ML) in a year in addition to public holidays. They are not entitled to any other vacations.
- b) Candidates 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: Casual leave should be approved by the Principal of the College/Institute. Prior approval of the Nodal Officer of the University is mandatory for Medical and Maternity/Paternity leaves.

14. TEACHING ASSISTANCE (WORK LOAD):

Teaching assistantship of **not more than 8 hours/week** may be given to scholars undergoing full time Ph.D. program under AICTE ADF scheme and may include assistance in lab classes, tutorial support etc.

- a) **Action to be taken in case of leaving the course before completion.**
The awardees shall furnish an undertaking that in case of his/her vacating the seat within the duration for which he/ she has been offered fellowship, he/she shall be liable to refund the entire amount fellowship received by him/her till the date of his/her leaving the scheme.
- b) 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).
- c) This scheme will supersede the currently executed NDF scheme on implementation.