

**Dr APJ Abdul Kalam Technical University Uttar Pradesh**

Centre for Advance Studies

Sector 11, Jankipuram Extension, Lucknow-226011

Walk-in applications are invited from **GATE qualified candidates** only for admissions in Master of Technology (M.Tech.) course in Computer Science & Engineering with specialization in ***Cyber Security*** or ***Information & Communication Technologies (ICT)*** for the academic session 2017-18 as per the following schedule

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| --- | --- |
| **Activity** | **Date** |
| Reporting, Registration and Document verification | 10:30 AM, 19th July 2017 |
| Interviews | 10:30 AM, 20th July 2017 |

Eligible and interested candidates are required to report at Dr APJ Abdul Kalam Technical University (AKTU), Institute of Advanced Studies, Sector 11, Jankipuram Extension Plan, Lucknow-226031 as per the above schedule with all original testimonials along with one set of photocopies and two photographs. You are also required to deposit Rs 2000=00 through a state bank of India challan to be provided at the time of registration.

Director

**The Charter**

**Mandate**

1. To establish the University as an Institute of Excellence in Engineering & Technology.
2. To develop, promote and propagate the Engineering & Technology education and implicate the modern research with application to solve real world problems.
3. To provide and promote facilities for teaching, training, and research leading to Postgraduate & doctoral level studies**.**

**Vision**

Institute of Advanced Studies will create a better future for all through its leadership in research and excellence in engineering education. It will accomplish this by fostering a challenging, enlightened, and collaborative academic environment that demands excellence, encourages innovative education, and supports ground-breaking discovery. Its esteemed faculty will be world renowned for their creative scholarship and innovative teaching. The institute’s graduates will be recognized and valued for their commitment to excellence, enthusiasm for learning, ethical behaviour and integrity, and exceptional leadership.

**Mission**

1. To establish Institute of Advanced Studies of Dr. APJ Abdul Kalam Technical University as a world class centre of Excellence for Postgraduate Studies as well as cutting edge Research and Development in the areas of Engineering & Technology.
2. To provide a stimulating platform to research scholars and academicians in Engineering & Technology domain; for creating and disseminating research based knowledge/technologies for the development of State/Country.
3. To Bring together creative, dedicated & innovative scholars engaged in Engineering and Technology academics and research

**Aims & Objectives**

The aim of the “**Institute of Advance Studies”** will be to impart state of the art education leading to Post Graduate Degree as well as to facilitate quality research work in the emerging areas of the technologyto establish Dr APJ Abdul Kalam Technical University as a world class premier academic & research institution in the state with a global perspectives.

1. To create a unique institution in the country where in engineering & technology education will be totally integrated with state-of-the-art research
2. To create, therefore, an Integrated postgraduate degree programme in engineering following graduation
3. To create a cadre of high-caliber, internationally well-known faculty members which will be devoted to teaching as well as research activities in engineering & Technology
4. To strive to arrest the declining trend of young people in joining engineering education & research
5. To elevate the status of the university in terms of education & research in engineering & technology, at par with IITs & IIMs
6. To provide flexibility, education and training in order to charter new grounds and break compartmentalization of education & research under the domain of Technology & Engineering
7. To make possible a flexible, border-less curriculum in which a student, say interested primarily in biology, should have no difficulty in taking courses of other subject domains
8. To Collaborate or sign up MOU with International as well as Nation universities and institutions of repute.
9. To network Institute of advance studies (IAS-Dr APJ Abdul Kalam Technical University) with the existing institutions, laboratories, universities and colleges in the neighbourhood in order to make optimal utilization of resources, both in terms of expensive laboratory facilities as well as teaching talents
10. To build a strong core faculty (permanent, Guest, Emeritus) that will be able to synergize research with teaching and education
11. To develop world-class research laboratories in order to improve the quality of education as well research in Uttar Pradesh.

**Introduction**

The Technical University system has to be the main torch bearer of engineering education and research in the state. It is necessary to invest at the appropriate level for cultivating, on a sustainable basis, the ethos of engineering education and research. The Government of India has invested heavily in research establishments in the field of nuclear, defense, space as well as ocean, environment, biotechnology, as well as applied industrial areas. All these establishments require quality manpower. Many establishments are in need of quality Scientists. On the other hand, the graduates of the universities are either not up to the mark or are not interested in pursuing career in such establishments. The faculty positions in many universities are not filled up as no qualified/suitable candidates are available. Once again, the question of quality comes forth. It is clear that some quality institutions are needed to develop a cadre of manpower of good standards for carrying out scientific research.

UP Gove issued a notification to start Institutes of advanced studies for upgrading the standards of academics, quality of staff and research in the state. To make Dr APJ Abdul Kalam Technical University as an institution of higher learning of international repute, an **Institute of Advanced Studies (IAS-AKTU) as in-campus academic & research institution is being setup**. The institute has started functioning from July 2017. The institute in its first phase is beginning with two M.Tech. programs in specialised areas of Cyber Security and Information and Communication Technologies (ICT). The institute envisages to start courses and research in the frontier areas such as Mechatronics, Nano Technology, Bio Technology,3D printing, Climate control, Market and Business Analytics, Big Data, Energy Studies, Manufacturing Science and Technology to name a few.