



DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY UTTAR PRADESH

डॉ० ए०पी०जे० अब्दुल कलाम प्राविधिक विश्वविद्यालय उत्तर प्रदेश

Sector-11, Jankipuram Vistar Yojna, Sitapur Road, Lucknow(U.P.) 226031

E-Mail Id: deanugseoffice@aktu.ac.in, dean.ugse@aktu.ac.in

पत्र सं०: ए०के०टी०यू०/डीन०यू०जी०/2024/766

दिनांक: 8 अगस्त, 2024

सेवा में,

निदेशक / प्राचार्य

डा. अब्दुल कलाम प्राविधिक विश्वविद्यालय लखनऊ से सम्बद्ध

बी०टेक० से सम्बंधित पाठ्यक्रमों को संचालित करने वाले समस्त संस्थान।


कृपया अवगत कराना है कि विश्वविद्यालय के बीटेक पाठ्यक्रम में अध्ययनरत छात्र-छात्राओं में स्टार्टअप एवं एंटरप्रेन्योरशिप को बढ़ावा देने के उद्देश्य से निम्न अनुसार परिवर्तन प्रस्तावित किए गए हैं जो कि सत्र 2024-25 में द्वितीय वर्ष में अध्ययनरत छात्र/छात्राओं से प्रारंभ किए जाएंगे:

1. बीटेक के तृतीय वर्ष एवं चतुर्थ वर्ष के क्रमशः पंचम एवं सप्तम सेमेस्टर में जो **Internship assessment/mini project** नामक विषय होता था उसे अब **Internship assessment/mini project/Start-up and entrepreneurship** विषय कहा जाएगा।
2. बीटेक के चतुर्थ वर्ष के सप्तम सेमेस्टर में एक नया विषय जोड़ा जायेगा जो दो क्रेडिट का होगा एवं जिसका उद्देश्य विशेष रूप से छात्र/छात्राओं में स्टार्टअप एवं एंटरप्रेन्योरशिप के विषय में चेतना जागृत करने और उसका परीक्षण करने का होगा।
3. अगर कोई छात्र/छात्रा स्टार्टअप एवं एंटरप्रेन्योरशिप की गतिविधियों में रूचि लेते हुए कतिपय शर्तों का पालन सुनिश्चित करता है एवं अपना समुचित विकल्प देता है तो चतुर्थ वर्ष के प्रोजेक्ट के समस्त क्रेडिट्स वह इन्हीं गतिविधियों से ही प्राप्त कर सकता है।

इस प्रकार अगर कोई छात्र/छात्रा द्वारा स्टार्टअप एवं एंटरप्रेन्योरशिप को गंभीरता से आत्मसात किया जाता है तो वह पांचवें, सातवें और आठवें सेमेस्टर में कुल मिला कर अधिकतम 15 क्रेडिट इन गतिविधियों से प्राप्त कर सकता है। उक्त सम्पूर्ण प्रक्रिया के STATEMENT OF PROCEDURE एवं DETAILED GUIDELINES इस पत्र के साथ संलग्न है।

आपसे अनुरोध है कि कृपया उक्त के द्रष्टिगत द्वितीय वर्ष के छात्र छात्राओं को इस हेतु अवगत कराना सुनिश्चित करें।

संलग्नक-यथोक्त


(प्रो. अनुराग त्रिपाठी)
डीन, यू०जी०एस०ई०

प्रतिलिपि-निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

- 1, कुलसचिव, ए०के०टी०यू० लखनऊ।
- 2, वित्त अधिकारी, ए०के०टी०यू० लखनऊ।
- 3, परीक्षा नियंत्रक ए०के०टी०यू० लखनऊ।
- 4, स्टाफ आफिसर, मा० कुलपति कार्यालय, ए०के०टी०यू० लखनऊ।

(प्रो. अनुराग त्रिपाठी)
डीन, यू०जी०एस०ई०

Standard Operating Procedure for earning the (newly introduced) Start-Up & Entrepreneurship related Credits in the B.Tech Course

D For the new course worth two credits which will be evaluated in the 7th semester

1. Each college has to establish an Incubation Centre and an Entrepreneurship Cell i.e. E-Cell under the ambit of the Institute Innovation Council i.e. IIC which already exists in the college as per the mandatory affiliation requirement for the Extension of Approval in the AICTE.
2. During the third and fourth semester (i.e. **during** the entire second year), each student will be made aware of the concept, process and advantages of being involved in a start-up activity, which may be called orientation. In this context, each student has to compulsorily attend a 20 hour dedicated MOOCs Course (to be developed by the AKTU) OR through a series of lectures by eminent experts with his attendance recording by the respective college. The purpose is to encourage and help each student in conceiving an idea and presenting it to the Nodal Officer of the IIC in his respective college. Similarly during the entire third year (i.e. in 5th & 6th semesters), the student will be guided towards developing constructive ideas and the Incubation Centres will help in growing that idea into a possible fruitful business proposition.
3. The aim is to ensure that the student has to spend a minimum of 30 hours in the second year and a minimum 30 hours in the third year in order to gain the two necessary credits whose assessment will be done through a presentation in the 7th semester. As a prerequisite to this, towards the end of 4th and 6th semester each student will have to mandatorily face a presentation of his/her Start-up & Entrepreneurship i.e. SE activities during the entire second and third year respectively with the marks obtained saved for later final assessment in the 7th semester as explained above.

ID For the one credit EACH (Regarding the subject Mini Project/ Internship which will now be RENAMED as Mini Project/ Internship/Start-Up/Entrepreneurship which will be evaluated in the 5th & 7th semester respectively

1. The Mini Project/Internship in the 5th and 7th semesters will now be termed as **Mini project/Internship/Startup/Entrepreneurship** under which a student can also choose Startup/ Entrepreneurship Activities to earn one credit each respectively.
2. This will be earned by showing the Start-up/Entrepreneurship-related activities **during the yearly break between the IInd & IIIrd Years AND then between the IIIrd & IVth Years.**
3. The presentation (and subsequent assessment) of whatever activity the student prefers to choose, will be taken in a manner EXACTLY similar as that in Mini Project or Internship presentation in 5th & 7th semesters respectively.

IID Start-up and entrepreneurship (SE) activities as final year Project(s)

If a student has established a startup company and got the company registered in the DPIIT, he/she may also present his/her company outcomes and growth as 7th and 8th semester Project in such a manner that its outcome is a successful start-up. In this case, if

the student so wishes, the above Start-Up effort of the student will be considered equivalent to the ENTIRE PROJECT WORK to be done by the student in 7th & 8th semester and he/she will NOT have to do any Project work separately.

The SE Project with detailed project report (DPR) may be presented for claiming 3 credits in 7th semester and 8 credits in 8th semester. Following shall be the mandatory requirements for *considering startup equivalent to project*.

1. The student must be founder/co-founder of the DPIIT registered startup.
2. The startup must have IPR (at least one patent filed/trademark etc.) in the company name.

*****The student will have the choice to get his Start up work registered as the Final Year Project OR he/she CAN (in spite of the Start-up effort) prefer to do a different Project of his/her interest.**

Detailed Guidelines for Start-up and entrepreneurship (SE) activities

A. Start-up and entrepreneurship (SE) activities as an optional credit (in 5th & 7th semesters)

In fifth and seventh semester, the subject named "Internship assessment/mini project" is recommended to be changed as "**Internship assessment/mini project/Start-up and entrepreneurship (SE)**" to include start-up and entrepreneurship (SE) activities. This shall be helpful in giving credits to the students who would be involved in start-up and entrepreneurship activities.

Evaluation Mechanism: The students after completing their fourth and sixth semester shall be evaluated as follows:

- a) If a student does any internship or training with a registered startup company for required number of hours (i.e. 4-6 weeks), the certificate issued by the start-up shall be countersigned by the incubation center in which the startup is incubated or the Professor in-charge of the incubation/innovation of the respective institution in case incubation center is not established. However, the establishment of the incubation center in the institute is highly desirable.
- b) If student does any internship or training in any registered incubation center/ Accelerator/Govt. Sponsored EDP organised by institutions like DST etc. for required number of hours (i.e. 4-6 weeks).
- c) If student starts his/her own Startup Company with DPIIT registration as founder/co-founder and runs it.
- d) Workshop: minimum 30 hours on SE with report submission: 1 credit

B. Mandatory TWO (2) Academic credits for start-up and entrepreneurship (SE) activities (in 7th semester)

The students involved in start-up and entrepreneurship (SE) related activities shall be evaluated at the end of fourth, sixth and in seventh semester for their work done related to SE activities as per following:

- a) 1 credit will be equal to 30 hours involvement in start-up or entrepreneurship related activities. Therefore, to earn the TWO (2) mandatory academic credits, the student has to produce the relevant certificates for his/her involvement for minimum 60 Hours.
- b) It is to be noted that the certificate issued by the start-up shall be countersigned by the incubation center in which the startup is incubated or by the Professor in-charge of the incubation/innovation of the respective institution in case incubation center is not established. However, the establishment of the incubation center in the institute is highly desirable.
- c) The activities which may be considered as the Start-up and entrepreneurship related activities for evaluation will be as follows:
 - i. If student completes any live project with any registered start-up company with clear mention of hours/days of involvement.
 - ii. If he/she attends a relevant training program organized/ recommended by registered start-up company/incubation center with clear mention of hours of involvement

- iii. Participation in a start-up or entrepreneurship based event (with in or out side institute) with prior approval from the department with clear mention of hours of involvement.

C. Start-up and entrepreneurship (SE) activities or final year Project(s)

If a student has established a startup company and got the company registered in the DPIIT, he/she may also present his/her company outcomes and growth as 7th and 8th semester Project in such a manner that its outcome is a successful start-up.

The SE Project with detailed project report (DPR) may be presented for claiming 3 credit in 7th semester and 8 credit in 8th semester. Following shall be the mandatory requirement for considering startup equivalent to project.

1. The student must be founder/co-founder of the DPIIT registered startup.
2. The startup must have IPR (at least one patent filed/trademark etc.) in the company name.

The students' SE work, if presented as project work, shall be evaluated considering following points:

1. **Market Potential:** Assess the size and growth rate of the target market. Evaluate the startup's ability to address a significant market need or pain point with its innovative solution.
2. **Fund raised:** It may be under UP Startup Policy or any other private or Government.
3. **Innovation factor:** Determine the uniqueness and novelty of the startup's innovation. Assess whether it offers a distinct advantage over existing solutions or competitors.
4. **Scalability:** Evaluate the startup's potential to scale its innovation and business model effectively. Consider factors such as scalability of technology, ability to expand into new markets, and scalability of operations.
5. **Team size and team capabilities:** Evaluate the startup's founding team and key personnel. Look for relevant experience, skills, and expertise in the industry or technology domain. A strong and diverse team is often crucial for the success of an innovation startup.
6. **Business Model:** Assess the viability and sustainability of the startup's business model. Evaluate revenue streams, cost structure, and potential for monetization. Determine whether the startup has a clear path to profitability.
7. **Intellectual Property:** Consider the startup's intellectual property (IP) portfolio, including patents, trademarks etc.
8. **Partnerships and Collaborations:** Assess the startup's partnerships and collaborations with other organizations, such as strategic partners, investors, or industry collaborators. These partnerships can provide valuable resources, expertise, and market access.
9. **Financial Viability:** Assess the startup's financial health and funding status. Evaluate its burn rate, runway, and fundraising strategy. Determine whether the startup has access to sufficient capital to execute its business plan.
10. **Social and Environmental Impact:** Consider the potential social and environmental impact of the startup's innovation.