



CONCEPT NOTE  
ON  
SELECTION OF INSTITUTES FOR  
“STANDFORD’S UNIVERSITY INNOVATION FELLOWS” PROGRAM



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## 1. Stanford's University Innovation Fellows Program

The University Innovation Fellows (UIF) program is run by Stanford University's Hasso Plattner Institute of Design (d.school) and was developed as part of a National Science Foundation grant called Epicenter. The program has partnered with Google to bring this opportunity to higher education institutions in India.

UIF program empowers students to become agents of change at their schools. The Fellows are a national community of students leading a movement to ensure that all students gain the necessary attitudes, skills and knowledge required to compete in the economy of the future. These student leaders from schools around the country create new opportunities that help their peers develop an entrepreneurial mindset, build creative confidence, seize opportunities, define problems and address global challenges.

Fellows are creating student innovation spaces, founding entrepreneurship organizations, hosting experiential events, and working with faculty and administrators to develop courses. They serve as advocates for lasting institutional change with academic leaders and represent their schools at national events.

For more information about the Fellowship, visit [universityinnovationfellows.org](http://universityinnovationfellows.org)

## 2. Google - APSSDC Partnership:

As part of continued efforts to support the skill development of developers in tertiary education in India, APSSDC is working with Stanford University to bring to India for the first time their University Innovation Fellows Program (UIF). APSSDC has partnered with Google to support the selected institutes with regard to the sponsorship of the program.

In the first cycle of Fellowship in India, JNTU-A and JNTU-K were nominated by APSSDC for sending their students for UIF program. During this cycle, more than 12 candidates from Andhra Pradesh successfully qualified for the Fellowship.

In addition to the current partnership with Google, APSSDC has decided to open this program for 6 more institutes in AP in order to popularize the initiative and promote critical learning among the students. In the process, APSSDC will get talent in the form of student interns who would work on various initiatives of APSSDC.

## 3. Benefit to the Students:



The Fellowship is open to the third year engineering students (B. Tech / B.E) from Computer Science and Electronics & Communications streams.

This program trains students from around the world to become leaders of change in higher education. It provides students with training, mentorship and access to a global network of innovative students and faculty, thought leaders in Google and other Silicon Valley companies, and educators at Stanford.

By joining this program, Fellows in India will gain new skills that will benefit them in their careers. Most importantly, they will learn to inspire their peers and make a difference in their community and in the world.

Once accepted into the program, candidates take part in a 6-week online training to learn from Stanford mentors and leaders in academia and industry. After they successfully complete training, they become University Innovation Fellows. There will be opportunities for in-person gatherings in India for the Fellows learn from their new network and Stanford educators.

#### 4. Fellowship Cost

Selected institutes may nominate 1 to 4 students for participating in the program for a total program fee of \$4,000. The fee is same for up to 4 nominated students.

#### 5. Current Round of Fellowship Applications

A fresh round of applications are invited from Institutions to select fellows from the respective higher Education Institutes in Andhra Pradesh.

##### 5.1 Selection criteria for the Institutions:

APSSDC has evolved a process to select the institutes to be part of the program who in turn would nominate students for the fellowship program. Under the current cycle of applications, two categories of institutions will be selected based on two different sponsorship models. The first category of institutions will be eligible for 50% sponsorship from Google & second category of institutions be eligible for 50% sponsorship from APSSDC.

Following is the selection criteria for the institutions:

| S.No. | University Innovation Fellows (UIF) Program by Stanford University ,Google & APSSDC - Selection Criteria | Max Marks |
|-------|--|-----------|
| 1     | NBA/NAC Accreditation Status   | 10        |
| 2     | Financial Standing - for UIF Sponsorship   | 25        |



|           |  |           |
|-----------|--|-----------|
| <b>3</b>  | <b>APSSDC programs participation from Dec 2014 to till date</b>  |           |
| <b>a.</b> | FIP(Faculty Improvement Program)- No.of Programs Participated, No.of Faculty members attended                          | <b>25</b> |
| <b>b.</b> | SIP(Skill Improvement Program) - No. of Programs participated, No. of Students participated                            |           |
| <b>c.</b> | PIP(Project Improvement Program) - No. of Programs participated, No. of Students participated                          |           |
| <b>d.</b> | CRT(Campus Recruitment Training ) - No.of Students participated  |           |
| <b>e.</b> | Digital Literacy Program - No. of SHG women trained  |           |
| <b>4</b>  | <b>UIF ( University Innovation Fellows) Program requirements</b>   |           |
| <b>a.</b> | Willing to spend time for 6 weeks online program   | <b>15</b> |
| <b>b.</b> | Faculty assistance   |           |
| <b>c.</b> | Provision to conduct meeting in Departments  |           |
| <b>d.</b> | Willing to sponsor the students for Silicon Valley meet if selected  |           |
| <b>e.</b> | Willing to propagate the skills to the students of your college  |           |
| <b>f.</b> | Willing to propagate the skills to the students of other colleges through APSSDC internship                            |           |
| <b>g.</b> | Willing to stay in residential environment and work after the colleges hours as per the online schedule given UIF team |           |
| <b>5</b>  | <b>Commitment from College &amp; Students</b>  |           |
| <b>a.</b> | Computer lab with latest configuration for SDC activities  | <b>25</b> |
| <b>b.</b> | Separate room for establishing SDC centre & SDC clubs  |           |
| <b>c.</b> | Lab, Food & accommodation facility for APSSDC mentors  |           |
| <b>d.</b> | Good Internet Bandwidth to support online training & lab activities  |           |
| <b>e.</b> | Participation in Social Activities like Digital Literacy for SHG women, School children training                       |           |
| <b>f.</b> | Transportation Facility after college hours  |           |
| <b>g.</b> | Participation in FIP ( Faculty Improvement program ) pre training (online) & at FIP locations                          |           |
| <b>h.</b> | Participation of students in SIP,PIP ,SDC clubs & Digital Literacy program   |           |
| <b>i.</b> | FIP Programs hosting   |           |
| <b>j.</b> | Interns  |           |
| <b>k.</b> | Support in Mobile App Development Program for Govt and any other projects suggested by APSSDC                          |           |
| <b>l.</b> | Providing slots after college hours to conduct Skill related activities  |           |
| <b>m.</b> | Willing open in holidays   |           |
| <b>n.</b> | Support & response for APSSDC activities from Management, Principal, HODs & TPO  |           |
| <b>o.</b> | Willing to conduct Jobmelas, Placement drives in association with APSSDC   |           |

## 5.2 Selection criteria of students:



The ideal team of candidates should demonstrate a strong interest in innovation, creativity and the entrepreneurial mindset coupled with a genuine desire to inspire fellow students and make a positive impact on campus.

Selected institutions should consider the following criteria while nominating the students. The students should be:

- **Action oriented:** students who possess a great attitude, strong listening skills and exceptional execution abilities.
- **Respected by friends and classmates:** candidates who can inspire peers and recruit/manage/empower a team of volunteers.
- **Insightful and mature:** students who can develop a rapport with faculty and institutional leadership, build support and form coalitions.
- **Strategic thinkers:** students who understand that change in academia is not easy, but possess the persistence, perseverance and willingness to set up systems that will continue even after they graduate.
- **All round individual:** candidates who the other University Innovation Fellows would want to have in their network as peers, friends and potential collaborators.

The following are the few points suggested by UIF team in addition to the above points:

- Students who already undertake side-projects and believe strongly in this new student-driven way of learning to augment what the institution doesn't provide.
- Students who are passionate about changing education, not just advancing their own interests in entrepreneurship and certainly not those who would do this to pad their resume or land a good job for themselves.
- Students who are respected by peers and faculty, either because they presently volunteer or because they have credibility on campus but not to pick students who are already overextended.
- Not to focus on toppers because they often fear taking on extra work that will take away from their topper status.
- Look for students who are not likely to easily be dissuaded or take the first no for an answer.
- Faculty at institutions to pick their best four, though the final selection would base on interviews of UIF team.

### 5.3 Sponsoring the Fellowship:

APSSDC has nominated four Govt. Universities namely JNTU-K, JNTU-A, Andhra University and Sri Venkateswara University for this Fellowship. Nomination of the Universities has been done in lieu of their commitment that the final year M.Tech. (ECE & CSE) and MCA students will intern with APSSDC in State-of-Art technologies like IoT, Robotics, Cloud Computing, Web Application & Mobile Application Development, Virtual Labs, Data



Analytics in addition to getting support from APSSDC to complete their final academic projects.

A certificate of participation will be given to the students for all courses that they are part of, along with a stipend of Rs.8000 per month (including food and accommodation). A certificate of 'Merit' will be awarded to students who are able to complete the courses assigned to them on time and also help in mentoring others.

The selection process of other 6 institutions is currently being undertaken by APSSDC as per the selection process detailed in Section 5.1. Any Govt. or Private Technical Institution shall be eligible to participate in the selection process.

The following is the current status of the selection process of institutions:

| Stanford's UIF Application Cycle for Spring 2017   |                     |                                       |  |   |   |
|--|---------------------|---------------------------------------|--|---|---|
| SN   | Type of Institution | Number of Institutions to be Selected | Selection Criteria   | Selected Institutions                             | Remark  |
| <b>Fellowship jointly sponsored by Google &amp; Selected Institution (50% sponsorship each from Google &amp; Selected Institution)</b> |                     |                                       |  |   |   |
| 1  | Govt.               | 2                                     | Selected on nomination basis by APSSDC                                 | JNTU-K and JNTU-A                                 | The nomination is based on the understanding between APSSDC and University that University will send interns preferably from MCA and M. Tech for their projects |
| 2  | Private/ Govt.      | 2                                     | Selection to be based on the process as detailed out under Section 5.1 | -   |   |
| <b>Fellowship Jointly Sponsored by APSSDC &amp; Selected Institution (50% sponsorship each from APSSDC &amp; Selected Institution)</b> |                     |                                       |  |   |   |
| 1  | Govt.               | 2                                     | Selected on nomination basis by APSSDC                                 | Andhra University and Sri Venkateswara University | The nomination is based on the understanding between APSSDC and University that University will send  |



|   |                   |   |  |   |  |
|---|-------------------|---|--|---|--|
|   |                   |   |  |   | interns preferably from MCA and M. Tech for their projects   |
| 2 | Private/<br>Govt. | 4 | Selection to be based on the process as detailed out under Section 5.1 | - | APSSDC's 50% contribution towards fellowship cost shall be reimbursed to the selected Institution post success completion of 6 months of internship of fellows with APSSDC |

## 6. Timeline:

- a) Selection of Institutions by APSSDC : 25<sup>th</sup> October 2016 11:00am ( Please provide all the details as per selection criteria by 24<sup>th</sup> October 8pm )
- b) A orientation session from Stanford University for selected institutions of APSSDC is planned on 25<sup>th</sup> October 2016 at 6:30 (Video conference) to provide more insight into UIF program and on the entire registration process
- c) There are two application cycles each year. For the current application cycle, the deadline is 31<sup>st</sup> October, 2016, at midnight Eastern Time. Application can be accessed at: [universityinnovationfellows.org/apply](http://universityinnovationfellows.org/apply).