TUMKUR UNIVERSITY

UNIVERSITY COLLEGE OF SCIENCE, TUMKUR

2019-20

BEST PRACTICES

1. **Title of the practice 1: Career Guidance Training:**

   University College of Science offers career guidance on all the aspects of career planning, job opportunities, and options for post-graduate studies for the student. The college covers most of the students from rural and urban backgrounds, to help them choose the right career path based on their interests and capabilities. The Institute works towards enhancing the individual and institutional culture to better turn out graduating students with appropriate attitudes, capabilities, and temperament to serve the needs of the ever-changing and dynamic needs of the community.

2. **Objectives of the Practice**

   The practice of continuous and improved career guidance serves to achieve the following objectives,

   1. To broadly research other job choices. The exercise aids students in considering several types of occupations they might pursue once they graduate.

   2. to make it possible for students to choose a suitable higher education program once they have finished their undergraduate degree

   3. To discover and assist students who are interested in entrepreneurship in learning about the resources (processes, technology, and businesses) required to consider it as a career.

   4. To impart information and abilities in oral and writing communication that are necessary for completing the placement process successfully.

   5. To offer a forum for learning about various civil services examination-related topics and interacting with certain applicants who have already achieved success.

3. **The context**

   What were the context-specific characteristics or difficult problems that needed to be addressed while planning and putting this technique into practice (in roughly 150 words)? Different stages of education are experienced by students in PUC. who are

pursuing the science discipline. These include taught in vernacular mediums, urban and rural areas, central schools, etc. Additionally, there are diverse socioeconomic, educational, and gender issues, which are universal aspects. As a result, creating an environment where all students have an equal chance to succeed by the time, they graduate is quite difficult. Thus, ongoing career counseling and guidance would improve students' mental clarity and ability to make wise career decisions.

4. The Practice

The following actions carried out by the Training and Placement unit help to attain these objectives. The college also engaged in certain supplementary and complementary activities.

1. Beginning in the semesters of the program, career guidance training programs are run for students to assist them in exploring different career opportunities in collaboration with different government, private sectors and NGOs.

2. In order to prepare students for the problems of the future, they receive training in communication skills, soft skills, personality development, aptitude skills, and technical skills.

3. Resource persons from premier Institutions, Research Center's, and Industries are invited to deliver technical talks and to create awareness about the opportunities in various sectors

4. Students are encouraged to participate in technical contests, carry out project work, undergo internships, and also organize various activities to enhance their knowledge through experience.

5. An awareness program on civil service is conducted to encourage students to prepare for civil service exams and other national-level exams. With an objective to make every individual student industry-ready, the following training programs are provided at various levels of their higher study and job opportunities.

   1. New collar employability skills program 2 'Opportunities in defense' program 3. Future perfect program 4. Employment skill training program disha – udyamasheelatha maargadarshana. on specific skills, tools, and technology supplementary to formal curriculum needed to enhance career prospects.

5. **Evidence of success**

   Evidence of success such as performance against targets and benchmarks of college as follows.

   1. The number of students attending the career guidance programs willingly have increased from program to program.
   2. The retention rate of graduates for higher education and competitiveness is better than before.
   3. Feedback indicates that the students who have undergone life skills training programs are really helpful in balancing their work and life.
   4. The students have progressively gained confidence in managing the placement interviews better. 6. A few of the students have become successful in selecting and getting through the GATE, and JAM examinations. Some students have become successful entrepreneurs also.

6. **Problems Encountered and Resources Required**

   The major challenges we faced and had to be addressed in designing and implementation are,

   1. Activities for career counseling had to be meticulously scheduled as part of the academic calendar, which increased the pressure to consistently adhere to the academic calendar. This needed to be accomplished.
   2. Getting the students to understand the value of participating in career advice programs through in-house faculty members, so they regularly attend placement training programs and career guidance meetings.
   3. It was also necessary to make faculty members aware of the various career opportunities available in engineering in general and in their particular branch.
   4. Providing the practical parts of career planning, including supplemental (formal/non-formal) activities to support the formal curriculum, required continuous alumni feedback and interactions.

5. Finding the right resources for career counseling takes a lot of time and energy, so it must be balanced with regular curricular work. This can occasionally be seen as a correction to formal education.

A lot of background work had to be done before, during, and after organizing career guidance activities. These included identifying appropriate topics, Features, or Skills needed to be imparted. This led to an appropriate resource person to be identified to handle this, followed by Technical, Financial, and Physical resources needed to conduct the activity. Qualitative assessment of Feedback from such activities had to be done to Scale up, Modify, or even drop such activities in the future. This demanded Space and Time in various departments, additional Laboratory tools/equipment, dedicated additional time from faculty in related specializations, additional funds, and logistics which was met by the college. Developing industry linkage was essential for developing and delivering the training programs on a customized basis. The experts from the industry having a good network with other organizations was a critical factor in enhancing the placement opportunities for students.

Title of the Practice 2:   Ideal Usage of Digital Platform

1. **Objectives of the Practice:**

    1. To exploit and secure administrative efficiency through easy modes of Communication at all levels
    2. To make use of the technology for the creation and preservation of the learning materials for future references
    3. To provide easy and student-friendly services at learning places like libraries, offices, and other centers.
    4. To enhance the effective and quick assessment process
    5. To allow the virtual mode of teaching to supplement the predominant educational methodology
    6. To upgrade technological facilities.

2. **The Context**

    Nowadays, all the fields like business, enterprises, different industries, and the education sector vastly depend on technological innovations. virtual mode of communication in sectors has altered the perception of life, especially in the educational field virtual mode holds uplift for the institutions along with the formal education. In this context, the institution has accepted new policies and approaches in all its functioning. The institution today is capable of using efficiently ICT in every field of educational transactions. The paradigm shift in the institution reflects the institutional openness and timely adoption of learner-friendly technology.

3. **The Practice:**

    During this year the institution has enhanced the use of technology in every field. The institution is extensively using ICT for official communication, documentation, administration, preserving the learning resources like lectures, e-resources in e repository and easy modes of assessment, communication, generation of question papers, question bank repository, online internals, etc. The other useful tools developed during the year are the Digital attendance process, Digital Notice board, check at the library, Google Classroom/meet G-suit, Zoom meeting.

4. **Evidence of success**

The faculty and the departments/ committees are aware of the virtual mode of communication through online class, meetings, faculty development programmes etc. The reading materials, links to video/audio contents, the texts and other useful learning sources are uploaded to you tube and sent to the different class what's up groups created by the departments during this year.

5. **Problems encountered and resources required**

One of the difficulties is to customize the patterns and set-ups to the college/student's specific requirements. The elaborate and frequent meetings at various levels have led the institution to customize to suit the requirements. Another important requirement was the recording unit/studio. Different subject lectures taught by the subject experts are uploaded to YouTube for the benefit of the students. The service providers had issues with the frequent interrupted internet access to the stakeholders.

Principal

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