

Best Practices of the Institute (2022-23)

Best Practice I

1. Title of the Practice

Placement Preparatory Training

2. Objectives of the Practice

To enhance the aptitude skill, soft skill and technical acumen of the students. It acts as a booster to the graduating students to brush up the logical, analytical, verbal skills and technical knowhow.

3. The Context

In the contemporary world, the Placement Preparatory Training is initiated to bridge the gap between industrial expectations and institutional inputs. The training sessions are provided to prepare students with necessary confidence and technical skills to excel them in their respective fields. Nevertheless, this training also help the students to up skill their domain knowledge and make them industry ready by brushing up the logical, analytical, verbal skills and technical knowhow.

4. The Practice

The Placement Preparatory Training is conducted for the 3rd year students of all streams. It is mainly divided into two types – Aptitude and Soft Skill Development and Technical Training followed by Company Specific Training. The Aptitude and Technical Training classes are incorporated in their regular timetable.

Aptitude and Soft skill development is included in the curriculum as a 2 credit sessional Paper with code MC 571 for the 5th semester students and MC 671 for the 6th semester B. Tech students irrespective of department. We have a prescribed syllabus for the students so that before facing the interviews they undergo through the process of rigorous practice to brush up their logical, analytical, verbal skills and technical knowledge.

The technical training is initiated to enhance the domain competency of the students. As per market requirement, we have framed two separate set of syllabus for core as well as non-core.

The technical syllabus for core students are followed for ME, AUE and EE departments. Whereas, the non-core technical training syllabus is followed by CSE, IT and ECE students in order to enhance their core competency and expertise in their respective field.

Company Specific Training is conducted to enhance their confidence and make them industry ready by brushing up the logical, analytical, verbal skills and technical knowhow by going through the prototype questionnaire of the reputed companies.

A rigorous practice and continuous evaluation of the 3rd year students are done during the different phases of the mentioned training process.

5. Evidence of Success

This Preparatory Training session enhances the employability of the students. The students who take up the training sessions seriously and attend the sessions on regular basis do have an edge compared to others in terms of cracking the interviews.

6. Problems Encountered and Resources Required

It is a huge challenge to zero down on a particular vendor regarding Aptitude and Soft Skill, Technical or Company Specific Training in terms of compatibility with the students. Most of the times the quality of the trainers vary from person to person thereby affecting the quality of the training.

Best Practice II

1. Title of the Practice

Felicitations of top meritorious students of the institute.

2. Objectives of the Practice

- To felicitate the student with highest score from every department of the college.
- To felicitate the students with top percentile score in NPTEL.
- To acknowledge the great effort of the students.
- To inspire them to persist in the same spirit in future.
- To motivate junior students to work hard in the same way so that they too achieve such honors.

3. The Context

Academic Excellency is the dream goal of any higher educational institute. It can only be achieved with the contentions efforts from all the stake holder of the institute. In today's fast paced world and escalating social media interactions many people including students seem to lose their tenacity in focusing their dream. Young students require external motivation like rewards and recognition to give wings to their dreams. Inspirational awards can provide the much needed motivation and push to stretch their learning capabilities. Hence, an award based on merit can inspire the recipient students to continue doing well in future. Therefore the practice of felicitation of meritorious students of college may be considered as a great motivational factor for the students. In this context the college initiated the below mentioned practice.

4. The Practice

The College organized this kind of felicitation program for meritorious students during 1st year fresher's welcome program, viz. "Balaka". From the odd and even semester results, the student with highest YGPA from each every year of study of each department is nominated to receive award. Also, the students who have scored well and are included in top percentile score as declared by NPTEL were nominated for the award. It is an emotional and joyous moment for the students to receive the award. In the academic year 2022-23, the program was organized on 1st November, 2022. The Eminent dignitaries were present for the occasion. The nominated students were felicitated for their excellent performance in

education. They were awarded with certificates of appreciation and medals. It was a wonderful experience having students and teachers under one roof working together to give this momentum a direction.

5. Evidence of Success

As a result of this activity the students got motivated and have become enthusiastic in pursuing their study and the overall performance of the students in the examinations is found to be improved. This way, the academic standard of the college as well as the students is found to be increased.

6. Problems Encountered and Resources Required

The enthusiastic students require more nurturing and proper guidance from the faculty members so that they can score well in the examination. This, sometimes, because of the curriculum load of the students and the work load of the faculty members, becomes difficult to execute in time.

Institutional Distinctiveness

Emerging Tech Laboratory: Institute setup various emerging tech laboratory as describe below.

1. *Centre of Excellence in 3d Printing:* The goal of the Centre of Excellence is to bring together industries, R&D institutions, and academics to hold manufacturing problems using 3D printing technologies. Through access to 3D printing technology, the Centre of Excellence aims to bridge the gap between basic research, product design, and development, and provide cutting-edge solutions.
2. *Electric Vehicle Laboratory:* Electric vehicles are being considered a medium of future mobility. MCKV Institute of Engineering has set up a State-of-the-art Electric Vehicle Laboratory in collaboration with Logiczap NextGen Technologies (one of the fastest-growing companies in the field of EV training & skill development), to provide complete training, internship & skill development solution in EV two-wheeler Technology for students and professionals.

Green-Campus-Clean-Campus: The institute has an intention to adopt the “Green Campus” system for environmental conservation and sustainability. The goal is to reduce CO₂ emission, energy and water usage, while creating an environmentally literate campus where students can learn the idea of protection of environment and stay healthy. The “Green Campus” has been a very new concept adopted by this institute. The college administration is working on the several facets of “Green Campus” including Water Conservation, Tree Plantation, Waste Management, Paperless Work, Carbon Footprints and Alternative Energy.

As a result of continuous effort to provide a global-and-holistic education in a healthier environment, the management and editorial team of R. World Institutional Ranking congratulates MCKVIE on being Ranked No. 67 across India, in The Green Rankings 2022.

Institution’s Innovation Council (IIC): Institution’s Innovation Council (IIC) is an initiative of the Ministry of Education’s Innovation Cell (MIC) for fostering the culture of innovation amongst higher education Institutes. The Innovation Council was established to promote innovation in the Institution among the young students to work on new ideas and to familiarize them with concepts of improving products and services to the market, increasing efficiency and product profitability.

The main aim of IIC is to conduct various activities related to innovation, entrepreneurship, IPR, and startups in collaboration with academicians, entrepreneurs, investors, and professionals for creating a mentor pool for student innovators.

Institute received 3/5 star rating during the AY: 2021-2022 as announced by IIC-MIC.

PRAYAS: PRAYAS is an initiative taken by the institute to make a platform for the engineering students to express their innovative ideas by contributing to the solutions of different real life technical problems. By participating in this competition, the students will be able to showcase their knowledge level by proposing innovative solutions to technical problem. They will also be able to acquire the skill of writing a research article following a particular template. And they will also be able to develop their attitude through the process of presenting their proposal to the audience. So, in a nutshell, PRAYAS helps the students to develop their Knowledge, Skill and Attitude (KSA) which are the basic building blocks of successfulness in professional world. The proceedings of the program are being published in the form of a book with an ISBN.