

K.D.K. College of Engineering, Nagpur

Best Practices 2017-18

BEST PRACTICES OF THE INSTITUTION

Best Practice – I

1) Title : Making Continuous efforts in enhancing the Personality Quotient (PQ) of the students.

Personality Quotient (PQ) refers to the ability to understand oneself and others for effective communication and teamwork. We, at KDKCE, believe that an individual's personality consists of both how much he/she knows and how he/she portrays himself/herself. Therefore, both, technical and professional grooming is evident. Enhancement of PQ an integral part of all the student's activities taken up during each academic year. PQ provides a unique setting for developing valuable leadership skills and capacities in individuals confronting diverse public and private sector challenges. It is said that majority success traits come from personality skill besides technical skill blended with intelligence.

Title: - Making Continuous efforts in enhancing the Personality Quotient (PQ) of the students.

2) Objectives :-

The objective of developing Personality Quotient is to:

- Prepare them on problem solving skills.
- Provide symbolic, verbal, and graphical interpretations of statements in a problem description.
- Make them able to understand team dynamics & effectiveness.
- Make them create awareness on Engineering Ethics and Human Values.
- Instill Moral and Social Values, Loyalty and also to learn to appreciate the rights of others.
- Inculcate analytical thinking process.
- Transform the students and make them ready for Campus recruitment.

3) The context :

Major percent of our success in life is based on our ability to communicate with and get along with others. Therefore, a meager percent is based on our technical ability. Communication ranks among the top five skills sought out by most employers, and one of the most difficult to find in the average students. Undoubtedly, communication skill is an important aspect of a successful career. To be effective, you need to understand how you communicate what is most important to you. Then learn how others communicate, and how to simply adjust your style to connect more effectively with them. KDKCE conscientiously moved ahead with an effort in developing personality quotient of its stakeholders through numerous activities that provide platform to showcase their talents and make them notice every nuance of varied personality.

4) The Practice

In pursuance of transforming the students and making them ready for Campus recruitment, college adapts the strategy of fusion of co-curricular and extra-curricular activities. The program outcomes along with course outcomes are achieved through well-thought activities, which make students to bring-in positive changes and explore the excellence within them. Through the meticulous assessment of the student's attainment of PO & CO in each semester, college administration, through the IQAC advisory members, suggests various co-curricular and extra-curricular activities to be undertaken for the students so as to achieve the objective. The college, then based on the nature and extent of the activity, ask the head of departments to plan and act. A coordinator/incharge of the activity is decided in the meeting and modalities are worked out. The event committee invites students to participate. The event is held with its entire objective leading to development of personality quotient. Success of every activity inculcates personality traits in the participating students. Many such activities are conducted every year for the intended purpose. List of activities that were undertaken in recent year are as follows:

Debate, Robot war, Robot race, Student's Parliament, Layout planning, Bridge-it, Amplifia, PLC design, Student Development Program, Expert Lecture, EESA (Electrical Engineering Students Association), MESA (Mechanical Engineering Students Association), CESA (Civil Engineering Students Association), FACE-IT (Students Association of CT & IT Departments), ISF, ICI activities, Industry visits, Entrepreneurship Development programsetc.

Navonmesh, Annual Sports Meet comprising of indoor and outdoor games, Marathon, activities undertaken by the students' associations, Garbha Fest, Kite festival, Freshers Day, Yoga Day etc.

Extension Activity:

Environment Awareness and tree plantation drive, donations to Orphanage, Blood donation camps, Organ donation awareness, drug de-addiction campaign, Neki ki Deewar, Avishkar- science Model and poster competition for schools and

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junior college students, Nirman- Project competition for Polytechnic students, Career counseling, adoption of village, cleanliness drive, energy saving, no plastic use, etc.

Research activity:

SPARK, International Conference, presentation skill competition, etc.

5) Evidence of success:-

This practice has become the preeminent practice of the institute, imbibing behavioral competency and encouraging students to work in a spirit of unity and camaraderie. The students who enter the engineering education get transformed into competent professionals with improved personality traits. Many students excel in university/state/national level activities and have won accolades. The list is a testimony to the success of the practice. List of event and success (Sample)

6) Problem encountered and resources required:

- At the first instance, reluctance of the students to participate in the activity
- Societal impact on the thought process of the students making them hesitant at the initial level.
- Sense of thrashing in the competition.
- University Academic schedule and its precariousness

Resources required: Counseling of the students to make them participate.

- A team of experts for the assessment process
- Motivation & encouragement through awards and prizes.

7) Contact Details:-

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Best Practice II

1) Title: - Organization of National Conference and Paper

Presentation competition for students - 'SPARK'

2) Objective:-

The objectives of organizing SPARK are:

- Inculcate analytical review habits.
- Make them able to understand symbolic, verbal, and graphical interpretations of statements in a problem description.
- Make them able to understand and assimilate research findings and write a technical paper.
- Create awareness on professional and social ethics
- Develop their presentation skill.
- Make them learn the application of modern tools.
- Develop in them the leadership quality and communication skill.
- Motivate them to take up latest technological advancements in their presentations.

3) The Context:-

Engineering is a profoundly creative process and technology is an outcome of engineering. It is important for the students to understand the changes that are taking place in engineering & technology throughout the world. The best way to know the development is reviewing the research papers, understanding the application and taking up further for the study. It also includes presenting the findings and its application and discussing the future of engineering through scientific breakthroughs that might occur along the way. To make it happen, the students must be provided suitable platform. We at KDKCE, initiated this process 12 years ago and it has become our USP.

4) The Practice:-

This national level conference for students has been conducted in the college since 2005. Every year, any one department is given the responsibility of its conduction on rotation basis. The administration, along with the head of departments,

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nominate the convener for the seminar and a committee is constituted that comprises of the faculty members from all the departments, to look after various activities of the seminar viz. communication, calling papers in their respective domains, screening, selection, hospitality, inauguration, proceedings, evaluation, awards, valedictory etc. The participation includes students from other states also. The interaction of students with experts, readily brings out the academic values among the students.

5) Evidence of success:-

The conduction of the event since 12 years, is a testimony of providing a platform for the students to exhibit their technical talent. With the passage of every year, college is witnessing the participation of more and more numbers. The participation of the students from other institutes of the region became the encouraging factor. The quality of papers, the deliberations, the discussions on engineering & technology advances, etc have the permanent footprints of success. The content of the proceedings can depict the legacy of success of the event and undoubtedly, it has become the best practice of the institute.

Year wise list of paper received and presented in the SPARK

6) Problems encountered and resources required:-

- Students lack of knowledge in proper review of the literature and taking out notes.
- Writing statement of the research finding
- Presentation fear.

Resources required:-

- Open access to the available literature
- Guidance, encouragement and motivation for the write-up and presentation.
- Expert panel for verification and scrutiny of papers.
- A complete team under the leadership of convener for successful completion of competition.
- A team of expert judges.
- ICT infrastructure.

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