M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 & ISO 14001:2015 Certified Institution
Thalavapalayam, Karur-639 113, Tamilnadu.

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BEST PRACTICES

BEST PRACTICE -I:

TITLE OF THE PRACTICE: DIGITALIZED CAMPUS

OBJECTIVE:

- Facilitate the students with online learning platform right from the beginning to the end of the graduation.

- Make the students smarter and sharper in handling the technological tools effectively in this digital era.

- Help them to access online resources constructively to promote self-learning among the students

- Create a paperless environment by formulating digitized documents starting from the admission registration to the alumni registration.

- Enable the students to explore and hone their critical thinking skills which form the basis of analytic reasoning.

THE CONTEXT:

In the current scenario, students are highly exposed to handle technological tools like smart phones, laptops etc. in all facets of their daily life. They use internet, social networking, text messaging etc. mainly for entertainment and it takes away most of their time. Nowadays the advent of these technologies has left the students digitized and never allows them to extricate. The students' accessibility to knowledge sources through these tools is low which they never think of until they get instruction from their teachers. Even this pandemic covid'19has accelerated the teachers to utilize these technological tools to its full potential in the teaching and learning process. So it is now the order of the day to impart digital tools not only in teaching and

learning process but also in all the areas. MKCE, therefore heeding attention to the needs of it and has digitized the entire campus by launching many online platforms since recent years.

THE PRACTICE:

MKCE has adopted many new digital tools to have an easy access to the resources available. Students are trained to take up Language proficiency exams like BEC, STEP and Japanese (all levels) by using such digitools. In recent years, in house developed learning management system named TEL for theory courses and ICT lab (programming languages)have been incorporated to make the teaching and learning process more interesting and interactive. Inside the classrooms, students are exhorted to use laptops for completing the assignments in TEL .In addition to that, utilizing the online learning platforms like AMCAT, GUVI, HACKERANK, NPTEL, SWAYAM etc is encouraged among the students to get their knowledge enriched. During covid'19, digital tools are brought into use to its fullest for effective teaching and learning process. Recently, ICT circuit lab (virtual lab) has been introduced to uplift the practical knowledge of the students. Moreover for the preparation of competitive exams ICT skill has been launched. This tool supports students to explore various questions that are being tested in the technical/government examinations (GATE, UPSC and civil services).

MKCE has digital library which also assists the students to have an access to multifarious books and journals through online. Issue and return of library books are done RFID based self-kiosk.

In order to facilitate the Students Management System in MKCE, CAMS, a user-friendly web portal is used. Each individual (both teachers and students) has been provided with a username and a password to have an access to the portal. Even, Bonafide certificate generation and exam fee payment by the students have been made easier through CAMS portal. Starting from the Internal mark entry to the End semester examination results, all the process involved in between is completely automated and made digitized by the CoE with the help of CAMS which is maintained by the CAMS team, MKCE. Along with that, ERP portal is used for HR management system.

MKCE practices paperless office by circulating invitations of the programs organized, general circulars, meeting circulars, minutes of the meeting through official mail etc., This is one of the initiatives followed by MKCE under GREEN/Environmental policy. To ensure the safety and

security of the hostel students, entire hostel management has also been digitized and monitored effectively which includes fingerprint based attendance, leave application through online, parent approval through IVRS, complete CCTV coverage.

In MKCE even the cafeteria has been equipped with self-kiosk machine in which the purchase can be done using ID cards. Thus the digital tools incorporated have made all the processes more consistent, secure and efficient inside the campus.

EVIDENCE OF SUCCESS

- Students have learnt to use the technological tools effectively which in turn developed a self-learning attitude among students.

- Students have upgraded their coding skills by encountering the challenges provided by different learning platforms

- Students have improved their confidence to get placed in top multi-national companies with high salary package by undergoing various training programs using digital tools.

- Paperless environment has been created inside the campus because of many user friendly digital tools.

- Digitized campus has shown tremendous changes among the students that help them to shine better both personally and professionally.

PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED

- Motivating the students to take up different online courses.

- Involving the slow learners in self-learning practice.

- Paying individual attention to make the students to get certified in different courses through different learning platforms

- Difficulties in time management between regular academic activities and certification courses.

- Resources such as Wi-Fi connectivity, well trained faculty members in handling online learning platforms, well equipped computer laboratories for accessing online learning platforms etc. were required.

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BEST PRACTICE-II-

TITLE OF THE PRACTICE: SUPPORT FOR STUDENT'S SPORTS EXCELLENCE:

OBJECTIVE:

- Create a better environment for improving the students' physical fitness.
- Improve the confidence level of the students by providing opportunities for the students to exhibit their skills and talents in different sports activities.
- Enhance sportsmanship among the engineering students by organizing various sports tournaments.
- Take care of students' physical and mental well-being and improve their concentration level.

THE CONTEXT:

Nowadays, getting freshers accustomed to a new environment remains a daunting task which affects the performance of the students in all the areas. In recent years, the students' attention and involvement towards physical and mental fitness has slowed down gradually. Assimilating and making the students to contemplate on physical activities is a crucial factor that calls for resourceful initiatives from the institutions.

So, MKCE has started focusing on students' physical and mental fitness by equipping the sports' infrastructure and also by laying plenty of platforms to bring out the students' sports skills.

THE PRACTICE:

MKCE encourages the students at all times and makes them achieve excellence not only in academics but also in sports. It provides a world class infrastructure for the sports with the play area of 345446 sqft both for indoor and outdoor games. Well-equipped Basketball court (area of 20150 sqft), Ball Badminton Court (13907sqft), Kho - Kho Court (6888 sqft), Tennis Courts with synthetic surface (17179 sqft), Cricket pitch with Net (1200 sqft), Kabaddi Court (4305sq ft), Volleyball Court (14467 sqft)etc have been established with proper fencing and flood light in order to promote the students' interest in sports and improve their physical fitness. In order tocoach, and guide the students appropriately, a host of well-trained physical directors are available in Physical Education department. Students' skills and potentials in different sports events are identified carefully by the physical education department and appropriate training is

given to them to win the tournaments. They always train and motivate the students to take part in zonal, interzonal, university and All India level tournaments. MKCE also organizes various tournaments for Kumarasamy trophy, Kumarasamy alumni trophy, sports day etc to provide opportunities for the students to showcase their sports skills.

Every year, MKCE offers sports fellowship (around 6 lakhs) for the students who perform their best in sports as a token of appreciation. Our institute also provides financial assistance for the students who participate in zonal, inter-zonal, university, All India level tournaments. Along with that, a world class AC Gymnasium (7000 sq.ft) has been established to maintain the physical fitness of the students. A well experienced trainer has been appointed and a separate time schedule has been followed for the students and faculty members to make use of the gymnasium. In order to strengthen the students' physical and mental health, Yoga programs are conducted by a well-trained yoga teacher. As per the Fit India movement which is a nation-wide *movement* in *India*, MKCE provides more opportunities and encouragement for the students to maintain their health and *fitness* by including physical activities and sports in their daily lives.

EVIDENCE OF SUCCESS

Students have

- Begun to involve themselves in physical activities like yoga, sports, etc

- Improved their physical and mental fitness by the opportunities provided and also enhanced their concentration level

- Enhanced their confidence level and reduced their stress, anxiety by doing yoga.

- Prepared themselves physically and mentally to take up the challenges ahead in their personal and professional life.

PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED

- Motivating the academically slow learners to involve themselves in sports.

- Difficulties in inculcating the basic knowledge of the sports events to the freshers in sports.

- Paying individual care and attention to the students at all times during training period.

- Resources such as well-trained physical directors, adequate sports accessories well

equipped playground, were required.