7.2.1.A -

BEST PRACTICES SUCCESSFULLY IMPLEMENTED DURING THE YEAR 2022 –2023

Title of the practice

Autonomous Leadership and Skill Development within students adopting Model United Nation (MUN) Activities

Objectives

1. To allow the youth to get exposure to international issues, fostering a deeper understanding of global affairs, cultures, and perspectives.

2. To develop autonomous leadership and organizing skills within students every year at all educational levels through Model UN popular activities.

The Context

Model United Nation (MUN) is a popular activity for those interested in learning more about how the UN operates. Every year, hundreds of thousands of youth from various educational levels participate in this activity globally. Conducting various Model United Nations (MUN) activities at the institution level led by student groups or clubs within a college or university with a context to develop autonomous leadership, skill of event planning and organizing, and spreading awareness about the global issues amongst the youth.

United Nations, Model UN Programme activities are complex that requires a variety of resources, student engagement, diversity of participants, comprehensive training, institutional support, scheduling, time management, accessibility, conflict resolution, equity, sustainability, community engagement, evaluation, adaptation to current events, and fostering a global perspective. These factors are crucial for the success of Model UN activities, including ensuring equitable access to resources, maintaining student interest, ensuring diversity, providing comprehensive training, securing institutional support, balancing activities with academic commitments, ensuring accessibility, teaching conflict resolution skills, ensuring equity, establishing sustainability, involving the local community, evaluating and assessing the program's impact, adapting to global events, and fostering a global perspective. These factors contribute to the program's educational value and success.

The Practice

Student-led Model United Nations activities at the institution level involved students to form KIMS-MN club within the constituent unit of university setting. This club is organized and managed by students who are passionate about international relations,

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diplomacy, and debate. Student leaders, such as club director, deputy director, and executive boards, take on roles of responsibility in planning and executing various MUN activities.

The students union of the Model United Club discuss the goals, upcoming activities, and initiatives prescribed by Model United Nation for the year 2023 (https://www.un.org/mun).

Students planned and organized various events and activities, such as mock MUN sessions, guest speaker lecture, health check-up event, and internal MUN conferences "CONNAISSANCE - 2023". They often take the initiative to develop their skills and knowledge related to MUN, holding workshops, practice debates, health camps and research sessions.

Student-led MUN activities align with the broader goal of promoting global citizenship and fostering responsibility for addressing global challenges. Conducting MUN activities at the institution level allows students to enhance their leadership, organizational, research, public speaking as well as personal growth and character development.

Evidence of success:

➤ Various types of activities were planned, organised and conducted by the students (23 in nos.) which were within the scope of Model UN. Students framed a Unit for planning and organising the activities aligning with concept of UN Model and helped in enhance their leadership, organizational, research, public speaking as well as personal growth and character development.

➤ Institutional level conference was planned and conducted by students under the theme "CONNAISSANCE - 2023" aligning to the broader goal of promoting global citizenship and fostering responsibility for addressing global challenges.

➤ Three hundred students enthusiastically participated in the debate under the theme "MUN Refugee Challenge 2023" and received certificates by the United Nations High Commissioner for Refugees (UNHCR).

Problems encountered and resources required

1. Engagement of Students: It is difficult to spark and sustain student interest and involvement.

2. Training and preparation: It's essential to give students, especially those new to MUN, thorough training and preparation. Although vital, creating training materials such as workshops and practice is time-consuming.

3. Scheduling and Time Management: Balancing MUN activities with academic commitments is sometimes difficult for students.

4. Equity and Inclusivity: Ensuring that all students have an equal opportunity to participate, is a critical issue.

5. Evaluation and Assessment: Measuring the impact and effectiveness of MUN activities is challenging.

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BEST PRACTICE – 2

Title of the practice

Instant Free Oral Health Screening and Appointment by Dental Kiosk AI ML based Scanning Machine

Objectives of the Practice

1. To sensitize general public and patients visiting hospital OPDs or dental OPDs regarding free of cost instant oral health screening by Dental Kiosk AI ML based Scanning Machine.

2. To digitalize the OPD of oral health care to make the process of dental scanning and consultation hassle free.

The Context

In recent years, AI in dentistry has begun to flourish. Applications of artificial intelligence in dentistry can be divided into four categories: diagnostic, decision-making, treatment planning, and treatment result prediction. IoT based AI implementation (Dental Kiosk) in dental care is rarely observed in rural areas and implementation of such practice will improve access to treatment, cut down on clinic visits, raise the standard of care, and, most importantly, lower the cost of care. Maintenance and maintenance of dental equipment are also crucial for accurate results. Establishing a maintenance schedule and calibration procedures can minimize downtime and ensure consistent performance. Patient consent mechanisms and educational materials are necessary to help patients understand the benefits and limitations of AI and data collection. Balancing cost and accessibility with accessibility to underserved populations is also a challenge.

The Practice

1. The Dental Kiosk system, an AI ML-based scanning machine (1 no.), was installed in the dental practice's waiting area and at Krishna Medical Hospital and Research Centre. Thorough testing was performed by the vendor along with the staff to ensure that all features worked correctly, including free of cost of dental scanning, data collection, symptom assessment, and oral pictures. Staff and dental interns are trained to use this system.

2. The patients/relatives or caregivers visiting dental OPD and KIMS hospital were encouraged to use the Kiosk system for free oral scanning and check-ins through an educational resource (a leaflet in Marathi and English).

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3. Despite the user-friendly Kiosk Dental AI ML-based OPD machine, it was ensured that dental interns are available to assist patients who may have questions or encounter difficulties while using the kiosk system.

4. After willingness of patients or the accompanying relatives or friends to have a free screening and completion of the process of scanning, appointments and consultation are provided to them by the Interns on the basis of Kiosk Dental AI ML based generated reports. Upon willingness for treatment, if required, the patients are further examined at the OPD and treated for the diagnosed conditions by the Interns supervised by staff.

5. Continuously feedback was collected from both staff and patients about their experiences with the Dental Kiosk scanning system.

Evidence of success:

- Utilizing AI ML based dental kiosk systems for dental OPD (outpatient department) treatments is becoming more popular. KVV (DU) has always had a clear vision for serving the rural public in the area of oral health care.

- The practice of free screening through this AI ML powered kiosk system has benefitted 1304 patients. These beneficiaries have not only undergone free instant dental scanning but also received clinical consultation. These patients were all treated in dental OPDs based on the diagnoses made by AI-based machines and the expertise of dental interns supervised by staff.

- The OPD documentation has gone paperless, which makes communication easier. The cloud was used to digitize and store all of the oral health screen data of the beneficiaries.

Problems encountered and resources required

1. Continuous manpower effort required for sensitizing general public visiting hospital OPDs or dental OPDs regarding free of cost instant oral health screening by Dental Kiosk with AI ML based OPD Machine.

2. The beneficiaries need a student assistance to operate the Dental Kiosk OPD Machine despite being user friendly.

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