كليـــة البتـــرجي الطبيـــة
BATTERJEE MEDICAL COLLEGE

SUSTAINABLE DEVELOPMENT GOAL 17 (PARTNERSHIPS FOR THE GOALS)

2025 - 2026 **REPORT**



MEDICAL EDUCATION AND LIFE STYLE

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BATTERJEE MEDICAL COLLEGE



SUSTAINABLE DEVELOPMENT GOALS

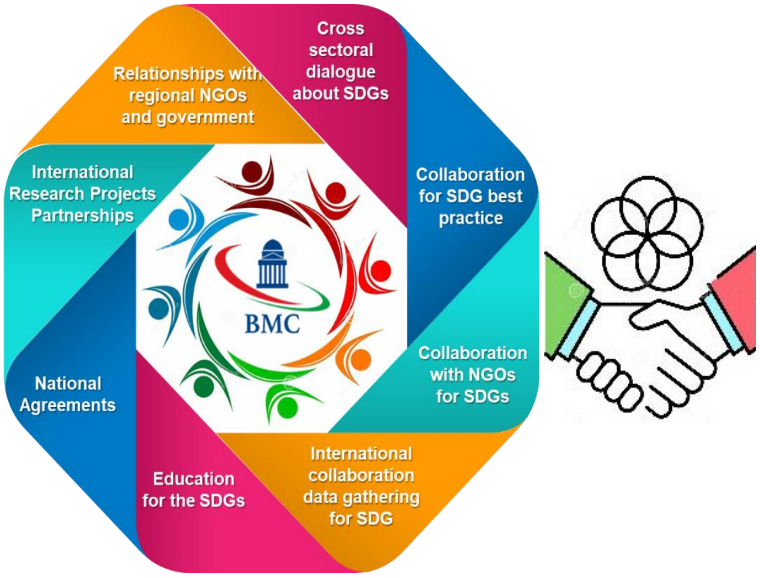
كليـــة البتـــرجي الطبـــية
BATTERJEE MEDICAL COLLEGE
BMC

Batterjee Medical College's **Commitment to the Sustainable Development Goals**

Partnerships for the Goals

A Strategic Imperative for Collaborative Action

Batterjee Medical College (BMC) operates on the foundational principle that the complex, interconnected challenges outlined in the SDGs cannot be addressed in isolation. SDG 17, "Partnerships for the Goals," is not merely one goal among many for BMC; it is the essential enabler and multiplier for all others. It is the strategic framework through which the college amplifies its impact in poverty eradication (SDG 1), good health and well-being (SDG 3), quality education (SDG 4), gender equality (SDG 5), and reduced inequalities (SDG 10), among others.



This report provides a comprehensive analysis of BMC's commitment to SDG 17. It moves beyond a simple listing of activities to demonstrate a deeply embedded, strategic culture of partnership that spans local, national, and international spheres. Through a systematic review of cross-sectoral dialogues, policy involvement, international research collaboration, NGO partnerships, educational integration, and public reporting, this document illustrates how BMC is actively building the global partnerships necessary to achieve the 2030 Agenda for Sustainable Development.

17.2 Relationships to Support the Goals

BMC’s partnerships are governed by a formal, executive-approved policy architecture, including the Social Responsibility and Sustainability Framework, the Comprehensive Non-Discrimination and Equal Opportunity Policy, the Lifelong Learning Access Policy, the Ethical Sourcing and Anti-Corruption Policy, and

standardized Statement of Work (SOW) and Memorandum of Understanding (MoU) Governance Protocols. Managed centrally through the Social Responsibility and Sustainability Unit (SRSU), the Research & Innovation Center, the Business Development Office, and the Deanship of Student Affairs, BMC systematically initiates, executes, monitors, and evaluates local, regional, national, and international alliances.

17.2.1 Relationships with Regional NGOs and Government for SDG Policy Development

Institutional Commitment & Policy Mandate: BMC is directly involved in, and provides empirical, clinical, and strategic input into, national government ministries, municipal authorities, and regional non-governmental organizations (NGOs) for SDG policy development. BMC's policy engagement encompasses the complete policy lifecycle including: Identifying problems and challenges, Developing policies and strategies, Modelling likely futures with and without interventions, Monitoring and reporting on interventions, and Enabling adaptive management.

1) National & Regional Government Policy Engagement

- **Ministry of Health (MOH):**
  - **Problem Identification & Strategy Development:** BMC collaborates directly with the Ministry of Health and regional health clusters to address chronic disease prevalence, mental health stigma, maternal health risks, and emergency blood supply shortages. BMC faculty serve on municipal and health advisory committees to formulate preventive public health strategies aligned with the Health Sector Transformation Program and the National Blueprint for Mental Health Promotion.
  - **Modelling, Monitoring & Adaptive Management:** Through the *"Reassure Us About You"* campaign with the Jeddah Second Health Cluster, BMC screens community vital signs and integrates real-time patient health metrics into national digital health platforms to monitor chronic disease trajectories, model complication risks without early intervention, and adapt primary care referral pathways. Similarly, in the *"Iqtida'a & A'ta'a"* National Blood Donation Campaign with the Jeddah First Health Cluster and King Fahad Armed Forces Hospital, BMC helped

model and build a 100% voluntary blood donor database to strengthen regional disaster resilience.

- **Ministry of Human Resources and Social Development (MHRSD) & Human Resources Development Fund (HADAF):**
  - **Policy Input & Socioeconomic Modelling:** BMC partners with MHRSD to co-develop social protection and educational access policies for orphans and low-income households falling into the bottom 20% national financial quintile (aligned with national *Daman* and *Takaful* social security criteria).
  - **Intervention Monitoring & Adaptive Management:** BMC institutionalized the Bottom Financial Quintile Admission & Completion Policy, mandating that at least 10% of incoming cohorts originate from the lowest 20% household income group and enforcing a minimum 85% graduation target. Through the Ihsan Scholarship (100% full tuition coverage for MHRSD-registered orphans) and longitudinal tracking via the Student Information System (SIS) and quarterly Red-Amber-Green (RAG) KPI dashboards, BMC models dropout risks with and without financial/pastoral interventions, achieving completion rates of 83.4% to 94.0% across all nine medical programs and supporting ~69% of its FTE student body with financial aid.
- **Ministry of Hajj and Umra:**

  BMC's engagement involves contributing expertise to health security and mass gathering medicine policies. By understanding the unique health challenges of the Hajj, BMC can advise on strategies for disease surveillance, emergency response, and public health communication, ensuring the safety of millions of pilgrims.

- **Research, Development and Innovation Authority (RDIA), King Abdulaziz City for Science and Technology (KACST), and Council of Health Insurance (CHI):**

  Modelling Future Healthcare Scenarios: As strategic partners in the Smart Health Forum 2025 *"AI-Powered Research and Healthcare Solutions"* and the BMC Digital Health Hackathon, BMC worked alongside RDIA, KACST, and CHI (Daman) to model future healthcare delivery scenarios with and without artificial intelligence, personalized medicine, blockchain security, and digital twin technologies.

- **Ministry of Environment, Water and Agriculture (MEWA) & Local Municipalities:**

  Environmental Policy & Urban Microclimate Adaptation: Under a formal MoU with the MEWA Makkah Region Branch (Non-Profit Organizations Department) and in collaboration with the Jeddah Municipality, BMC co-designed urban afforestation and environmental health interventions. Through the *"We Plant It for Sustainability"* campaign, Founding Day Planting Initiative, and Green Jeddah Initiative, BMC planted over 2,389 seedlings across campus facilities and public parks (e.g., 1,000 seedlings on campus, 1,139 sprouts on Founding Day, and 250 seedlings at Al-Sorour Public Park), monitoring urban green coverage and microclimate adaptation.

- **Oversight and Anti-Corruption Authority – Nazaha & Directorate General of Narcotics Control:**

  Regulatory & Preventive Policy Implementation: BMC collaborates with Nazaha and the Directorate General of Narcotics Control to translate national integrity, anti-bribery, and narcotics prevention policies into educational and institutional frameworks,

including the multi-entity Drug Awareness Event: Knowledge is Prevention and school-based anti-corruption policy campaigns.

- **Education and Training Evaluation Commission (ETEC), Saudi Commission for Health Specialties (SCFHS), and General Directorate of Education:**

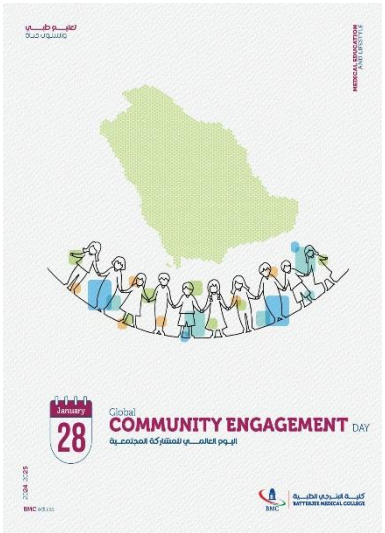
  National Standards & Workforce Policy: BMC participates in ETEC's *Quality of University Education Survey* to supply empirical field data for national higher education policy under the Human Capability Development Program, and partners with SCFHS to establish national clinical attachment, medical device training, and continuing medical education (CME) standards.

هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

الهيئة السعودية للتخصصات الصحية
Saudi Commission for Health Specialties

2) **Regional Non-Governmental Organization (NGO) Policy Partnerships**

- **Aseer Social Responsibility Forum & Civil-Society NGO Policy Agreements:** Convened by BMC in collaboration with the Aseer Development Authority, Aseer Chamber of Commerce, MHRSD, and regional health clusters, BMC signed 12 formal agreements with regional NGOs (including the Southern Women's Association, Jasad Cancer Care Association, Takatuf Health Association, Human Development Association, Ibtisamah Health Association, Haseen Health Association, and Warifah Environmental Association) to identify regional healthcare and socio-economic challenges, formulate scholarship and women's empowerment strategies, and monitor community health interventions.



- **Saudi Network for Social Responsibility & Takatuf Association:** BMC partners with national civil-society networks to shape

corporate social responsibility (CSR) policies prioritizing educational equity, poverty alleviation, and disability inclusion.



- **University Student Clubs Association (USCA) & Positive Development Association:** Under a formal MoU with USCA, a joint bilateral committee meets semi-annually to monitor student civic governance, volunteerism policies, and semi-annual impact reports across 42+ student clubs. Additionally, BMC and the Positive Development Association launched the *"Ana Ijabi"* platform in the presence of association CEOs to advance regional youth mental well-being and civic engagement policies.

17.2.2 Cross-Sectoral Dialogue About the SDGs

Institutional Commitment & Policy Mandate: BMC proactively initiates, hosts, and participates in high-level cross-sectoral dialogues, conferences, and multi-stakeholder forums that unite government ministries, regulatory authorities, civil-society NGOs, academia, and private industry to pool resources and co-create actionable solutions for the SDGs.

Major Cross-Sectoral Conferences and Forums Initiated by BMC

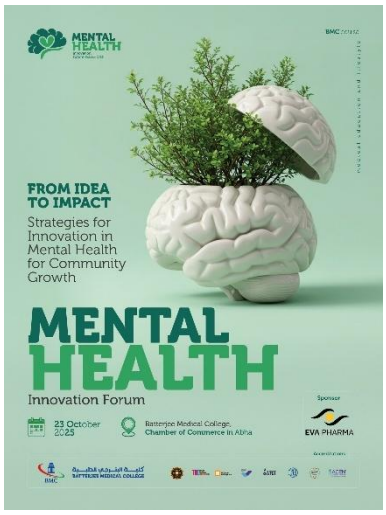
1) **BMC WELLNEX Forum: Research and Innovation for Health, Wellness, and Medical Tourism:**

   - **Cross-Sectoral Stakeholders:** Initiated and hosted by BMC, bringing together government policymakers, Ministry of Tourism and health stakeholders, academic researchers, clinical quality leaders, and hospitality industry partners.
   - **SDG Dialogue & Outcomes:** Addressed SDG 3 (Good Health), SDG 8 (Economic Growth), SDG 9 (Innovation), and SDG 17 (Partnerships) through keynote speeches, expert panel

discussions, scientific poster presentations, and an innovation exhibition focusing on integrated health systems, clinical governance, digital transformation, patient experience, and sustainable medical tourism destination readiness.

2) **Mental Health Innovation Forum 2025: "From Idea to Impact: Mental Health Innovation Strategies for Community Growth":**

   - **Cross-Sectoral Stakeholders:** Co-organized by the BMC Research Units (Jeddah and Aseer campuses) and the Student Welfare Unit in strategic partnership with the Abha Chamber of Commerce, alongside psychiatric hospitals, rehabilitation NGOs, and international scholars.



   - **SDG Dialogue & Outcomes:** Structured around six policy and scientific axes advancing SDG 3, SDG 4, SDG 8, and SDG 10: (1) psychologically supportive educational and work environments to prevent burnout; (2) child and adolescent early mental health intervention; (3) equity and justice in mental health access; (4) multidisciplinary therapeutic strategies; (5) scientific research and mental health policy formulation; and (6) digital innovation and AI in psychological diagnosis, featuring the AI-enabled *"Sentinel"* trauma-informed application for healthcare workers.

3) **Smart Health Scientific Research Forum 2025: "AI-Powered Research and Healthcare Solutions":**

   - **Cross-Sectoral Stakeholders:** Initiated by BMC in strategic partnership with the government Research, Development and Innovation Authority (RDIA), bringing together national technology regulators, hospital executives, AI scientists, and medical educators.

   - **SDG Dialogue & Outcomes:** Focused on SDG 3, SDG 9, and SDG 17, examining AI applications in diagnostic medical imaging, predictive analytics, telehealth equity, brain-machine interfaces, and sustainable healthcare operations.

4) **BMC Digital Health Hackathon 2025:**

- **Cross-Sectoral Stakeholders:** Powered by a quadripartite alliance between BMC, King Abdulaziz City for Science and Technology (KACST), the Council of Health Insurance (CHI / Daman), and Alinma Bank.
- **SDG Dialogue & Outcomes:** Convened students, fresh graduates, software developers, government regulators, and banking leaders across four tracks (*AI & Data, Personalized Medicine, Blockchain Security, and System Efficiency*), awarding up to SAR 50,000 in direct seed funding and fast-tracking community health-tech solutions into startup incubation.

5) **Inaugural Social Responsibility Forum & Aseer Multi-Sectoral Dialogue (2025):**

- **Cross-Sectoral Stakeholders:** Convened over 30 governmental, private, and non-profit entities—including the Aseer Development Authority, Aseer Chamber of Commerce, Ministry of Human Resources and Social Development (MHRSD), Aseer and Najran Health Clusters, King Khalid University, Saudi German Hospital, and 12 civil-society NGOs.
- **SDG Dialogue & Outcomes:** Established cross-sectoral frameworks for regional poverty eradication (SDG 1), community healthcare delivery (SDG 3), quality education (SDG 4), and women's leadership (SDG 5).

6) **Multi-Sectoral Drug Awareness & Crime Prevention Symposium: "Knowledge is Prevention":**

- **Cross-Sectoral Stakeholders:** Organized by BMC's Student Welfare Unit with the Directorate General of Narcotics Control (Ministry of Interior), King Abdullah Medical Complex, Eradah Complex for Mental Health, King Abdulaziz University Psychology Department, Kafa Charitable Organization (NGO), Etizan Center, Motmaina Medical Center, and Al-Subh Hospital.
- **SDG Dialogue & Outcomes:** Combined security policy workshops (*"Security Awareness for the Prevention of Drug-Related Crimes"*) with clinical, legal, and NGO rehabilitation dialogues addressing substance abuse prevention, prescription drug safety, and social reintegration (SDG 3, SDG 16, SDG 17).

7) **School Medical Specialties Forum & MEWA Environmental Dialogue:**

- **Cross-Sectoral Stakeholders:** Hosted by BMC in collaboration with the Ministry of Education, regional high schools, and the Ministry of Environment, Water and Agriculture (MEWA).
- **SDG Dialogue & Outcomes:** Engaged educators, ministerial experts, and high school students in panels on the future healthcare workforce (SDG 4, SDG 8) alongside hands-on agricultural sustainability and afforestation workshops (SDG 13, SDG 15).

17.2.3 International Collaboration Data Gathering for the SDGs

Institutional Commitment & Policy Mandate: BMC actively participates in international research consortia, cross-border data-sharing frameworks, and global agency partnerships to gather, measure, standardize, and analyze empirical data for the SDGs. Across the assessment period, BMC researchers co-authored over 1,500 scientific publications with experts from 40 distinguished global institutions, including extensive co-authorship with Low and Lower-Middle-Income Countries (LICs and LMICs), with four BMC faculty members named among the World's Top 2% Most-Cited Scientists (Stanford/Elsevier Ranking 2025): Prof. Shakeel Al-Ansari, Prof. Mohamed Abdel Daim, Prof. Mohamed Afzal, and Prof. Sabrin R.M. Ibrahim.

Key International SDG Data-Gathering Collaborations

- **United Nations Environment Programme (UNEP), WRAP (UK), and Savola World Foundation – Food Waste Data Measurement:**

  BMC collaborates with the Savola World Foundation and its international partners, the United Nations Environment Programme (UNEP) and the Waste and Resources Action Programme (WRAP), within the flagship *"Negaderha"* program to conduct empirical, in-depth studies measuring household and institutional food wastage trends, consumption behaviors, and resource-reduction metrics.

- **Maastricht University (Netherlands) – Joint Research Data Repository & GDPR-Compliant SDG Data Infrastructure:**

  Under the formal Academic Partnership MoU between BMC and Maastricht University's Faculty of Health, Medicine and Life Sciences (FHML) & School of Health Professions Education (SHE), Article VII (*Personal Data and*

Generated Data) explicitly mandates that all raw empirical data resulting from joint PhD and research projects on health professions education and medical sciences be systematically gathered, standardized under EU General Data Protection Regulation (GDPR) Standard Contractual Clauses, and stored in dual repositories at both BMC and Maastricht University to support joint international publications and longitudinal educational measurement.

- **Università degli Studi di Palermo (Italy) & Florida International University (USA) – Health, Wellness & Sustainable Tourism Data Gathering:**

  Through formal MoUs with the Department of Economics, Business and Statistics (SEAS) at the University of Palermo and the Chaplin School of Hospitality & Tourism Management at Florida International University (FIU), BMC participates in international collaborative research and statistical data collection measuring health and wellness tourism flows, sustainable hospitality indicators, and Collaborative Online International Learning (COIL) outcomes.

- **World Health Organization (WHO) & World Federation of Occupational Therapists (WFOT) – Assistive Technology & Rehabilitation Data:**

  As the first private institution in Saudi Arabia and the Arab world accredited by WFOT, BMC serves as an international research and resource development partner for the WHO "Learning on TAP" (Training in Assistive Products) platform and WFOT global initiatives, gathering clinical and educational data on assistive technology access, post-COVID-19 rehabilitation, and disability inclusion across Arabic-speaking populations.

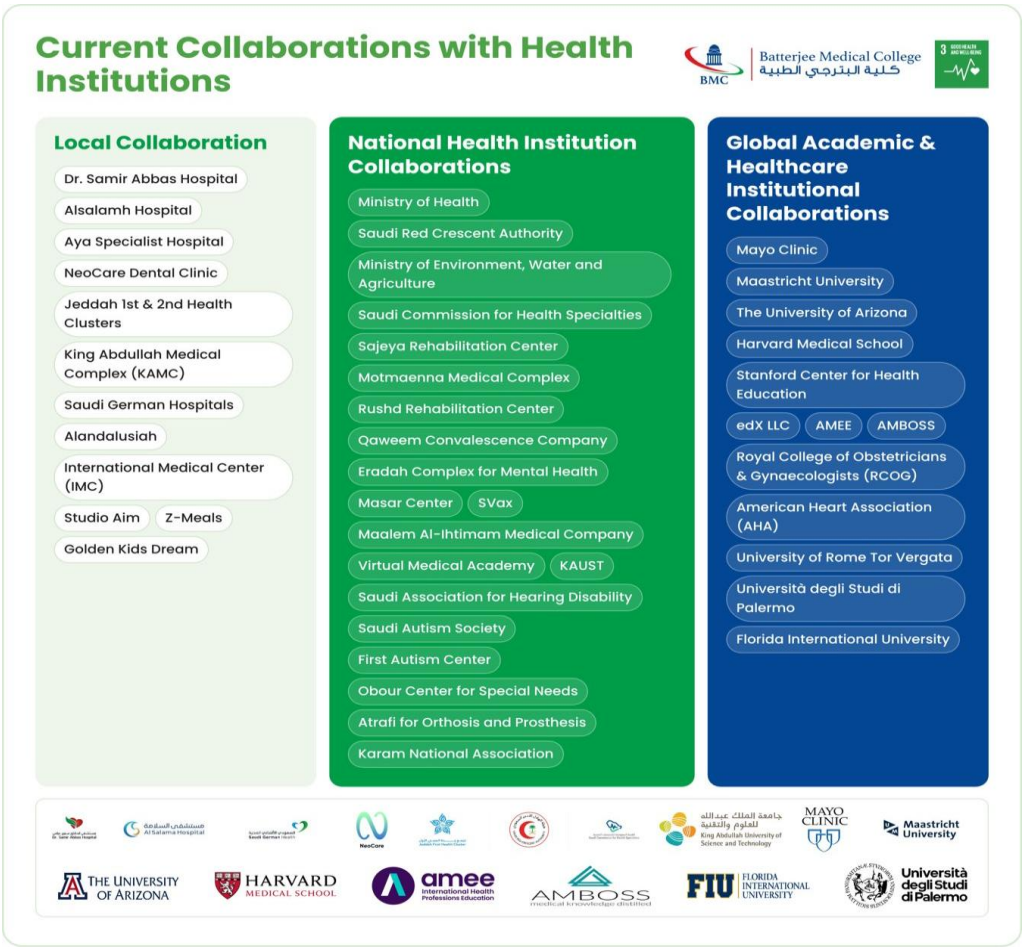
- **edX LLC (2U) Global Enterprise Data Package – Cross-Border Lifelong Learning Analytics:**

  Under BMC's Enterprise Agreement with edX LLC, BMC deployed the edX Enterprise Data Package and Account Authentication system. This international digital infrastructure systematically gathers and

tracks learner enrollment, skill acquisition, and completion metrics across global MOOCs and executive education courses on edX.org and GetSmarter.com, disaggregated by gender and academic program.

- **Clinical Trial & Global Mental Health Data Gathering:**

  BMC researchers collaborate with international psychologists and data scientists on the AI-enabled *"Sentinel"* mental health platform and international collaborators from MIT/Harvard, Aalto University in Finland, and Virginia Commonwealth University in the USA to gather clinical data on healthcare worker trauma, AI-driven precision nursing, digital twin altitude adaptation modeling, and an Arabic AI-Enhanced Digital Acceptance and Commitment Therapy (ACT) Randomized Controlled Trial for women experiencing Recurrent Pregnancy Loss.



17.2.4 Collaboration for SDG Best Practice

Institutional Commitment & Policy Mandate: Through structured international collaborations, clinical consulting agreements, and comparative research, BMC systematically reviews comparative global

approaches and develops international best practices for tackling the SDGs across healthcare delivery, medical education, biomanufacturing, and institutional sustainability.

International Alliances Reviewing Comparative Approaches & Developing SDG Best Practices

- **Mayo Clinic (USA) – 5-Year Master Consulting Services Agreement for Healthcare & Institutional Best Practices:**

  This 5-year Master Consulting Services Agreement establishes a structured mechanism (via numbered Statements of Work) to review comparative clinical, operational, and educational models and transfer Mayo Clinic's world-leading integrated healthcare best practices to BMC's academic and clinical facilities in Saudi Arabia.

- **Maastricht University (Netherlands) – Comparative Curriculum Review & Pedagogical Best Practice:**

  Under the BMC–Maastricht University MoU, both institutions conduct joint comparative curriculum reviews of existing and new undergraduate/postgraduate medical programs (including the MBBS curriculum), articulate courses, and co-organize faculty development workshops to establish international best practices in problem-based learning (PBL) and competency-based medical education.

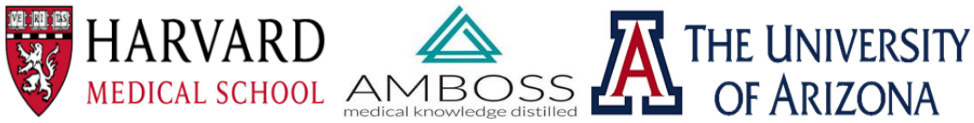
- **University of Rome Tor Vergata (Italy) – Comparative Clinical Simulation, Robotics & CBRN Best Practices:**

  Through a formal MoU and international academic delegation to the Faculty of Medicine at the University of Rome Tor Vergata, BMC faculty and students reviewed comparative European approaches and best practices in robotic urologic surgery, kidney transplantation, AI-supported cardiology, Chemical, Biological, Radiological, and Nuclear (CBRN) disaster protection, and advanced surgical simulation.

- **Stanford Center for Health Education, Harvard Medical School (HMX), University of Arizona, and AMEE:**

  BMC launched the first Stanford Center for Health Education "Healthcare Leadership" Professional Certificate in Saudi Arabia (an 8-week online program delivered by Stanford faculty and accredited by SCFHS as a Specialized Professional Program), training healthcare leaders to apply comparative leadership theories and international best

practices to complex regional health challenges. This is reinforced by BMC's integration of Harvard Medical School (HMX) online courses, AMBOSS clinical knowledge systems, academic collaboration with the University of Arizona, and active institutional membership in AMEE (The International Association for Health Professions Education).



- **Royal Colleges of Physicians and Surgeons (UK/Ireland) & American Heart Association – Global Clinical Benchmarking:**

  BMC is the first private medical institution in Saudi Arabia accredited to host the Membership of the Royal Colleges of Physicians (MRCP), the Royal College of Obstetricians and Gynaecologists (MRCOG), and the Intercollegiate Membership of the Royal Colleges of Surgeons (MRCS) examinations (hosting 50+ doctors per surgical exam cycle in partnership with RCS Edinburgh, RCS England, RCPSG, and RCSI), alongside operating an accredited American Heart Association (AHA) Basic Life Support (BLS) training center.





- **Unibell (Italy) / Maalem Al-Ihtimam Medical Company & SVax – Sustainable Medical Technology & Biomanufacturing Best Practices:**
  - **Human Tecar (Unibell, Italy):** Under a 3-year MoU, BMC serves as the exclusive academic and clinical research partner evaluating Italian physiological rehabilitation technology, co-publishing clinical best practices in pain management, pelvic floor disorders, and sports injury rehabilitation while utilizing a circular equipment return model to prevent medical e-waste.

- **SVax (Al-Tiryaq Al-Khalawi Medical Company):** Under a Strategic Training Partnership Agreement, BMC and SVax co-deliver advanced industrial biomanufacturing and vaccine technology training, establishing regional best practices for localizing biotechnology human capital.

- **Historic UN SDG Leadership Best Practice – UN Young Leader for the SDGs:**

  Demonstrating the global impact of BMC's SDG best-practice ecosystem, BMC Medicine alumna Dr. Sahira Al Nahari was appointed by the United Nations Youth Office as one of only 17 UN Young Leaders for the SDGs (2025–2027) out of 33,000 global applicants across 150+ countries, making her the first Saudi woman in history selected for this role to advance global best practices at the intersection of medicine, health law, and art therapy.

17.2.5 Collaboration with NGOs for the SDGs

Institutional Commitment & Policy Mandate: BMC collaborates extensively with local, regional, national, and international NGOs, charitable foundations, and non-profit societies across: Student Volunteering Programs, Research Programs, and Development of Educational Resources.

1) Student Volunteering Programs with NGOs

Managed by the Social Responsibility and Sustainability Unit and over 45 active student clubs in formal partnership with the University Student Clubs Association, over 75% of BMC students participate annually, contributing over 350,000 volunteer hours across community and NGO-partnered programs:

- **Karam National Charity Association Formal MoU:**

  Operating under the National Center for Non-Profit Sector Development, Karam Charity Association and BMC signed a renewable cooperation framework installing interactive electronic donation screens across BMC facilities to support charitable health and anti-poverty projects. Crucially, the MoU mandates providing structured volunteering opportunities and officially recording accredited volunteer hours for BMC students and staff.

- **Al-Bir Charity Society, Volunteering Club & Food Relief NGOs:**

  BMC nursing and medical students partnered with Al-Bir Charity to run voluntary chronic disease screening camps (diabetes, hypertension, and BMI assessments) for low-income beneficiaries. Simultaneously, during 2025, the BMC Volunteering Club collaborated with local non-profits to pack and distribute over 1,500 Ramadan Food Boxes containing flour, oil, tea, and dates and 1,300 comprehensive Eid food baskets (totaling 2,800+ food parcels) alongside 600+ clothing items to underprivileged families across Jeddah, and hosted the Orphan Eid Al-Fitr Celebration featuring agricultural, sports, and art stations.

- **Disability & Special Needs NGOs – Aoun Center, Obour Center, Saudi Autism Society, First Autism Center & Saudi Association for Hearing Disability:**

  - ***"Aoun Journey" with Aoun Center:*** Occupational Therapy student volunteers partnered with Aoun Center on the International Day of Persons with Disabilities to deliver motor, cognitive, and social skill interventions for children with Down syndrome and their families.
  - ***"Autism: Different Minds, One World" with Obour Center for Special Needs:*** Student volunteers led neurodiversity inclusion and therapeutic engagement activities in Khamis Mushait.
  - ***Equine Therapy for Special Needs Children:*** The Volunteering Club hosted 35+ children from special needs associations for therapeutic horseback riding to improve motor balance and emotional well-being.
  - ***Continuous Free Dental Care for Orphanages & Elderly NGOs:*** Through 94 specialized dental clinics and mobile field teams deployed to orphanages, special needs centers, and elderly care homes, BMC student and faculty volunteers treated over 8,500 economically disadvantaged patients free of charge in 2025.

- **Saudi Red Crescent Authority, Makkah Grand Mosque Volunteerism & Khairkum Association:**

  BMC students volunteered with the Saudi Red Crescent Authority along the Jeddah Corniche and during Annual Sports Day to provide emergency first aid and CPR, served international pilgrims

at the Grand Mosque in Makkah on Saudi and International Volunteer Day, and partnered with the Khairkum Association to execute the *Annual Holy Quran Competition*.

2) Research Programs with NGOs

BMC actively conducts joint scientific, clinical, and socio-economic research Programs in partnership with non-profit foundations and NGOs:

- **Savola World Foundation (Non-Profit), UNEP & WRAP – Food Waste & Sustainability Research:**

  BMC faculty and students execute joint empirical research studies under the *"Negaderha"* initiative with the Savola World Foundation (a non-profit foundation) and international NGO WRAP, analyzing food waste patterns, nutritional security, and sustainable consumer behavior.

- **Mayo Foundation for Medical Education and Research (Non-Profit Corporation) & Global Research Catalyst Series:**

  BMC's 5-year agreement with the Mayo Foundation (a Minnesota nonprofit corporation) and its partnerships with the Rawas Association for Creativity and Innovation and SURGE Labs (Masbak), a non-profit specializing in entrepreneurship, support applied research translation, clinical trial design, and the incubation of 36+ student research and health-tech prototypes (such as the mobile app connecting low-income patients with discounted medications and AI kidney-monitoring sensors).

- **Mental Health, Addiction & Cancer NGOs – Clinical & Epidemiological Research:**

  Through formal agreements with the Jasad Cancer Care Association, Takatuf Health Association, Haseen Health Association, Kafa Charitable Society, Masar Center, and Rushd / Sajaya Rehabilitation Centers, BMC conducts collaborative clinical research and psychometric screenings (utilizing PHQ-9 and GAD-7 tools on 300+ participants per drive) investigating addiction recovery, occupational therapy outcomes, breast cancer early detection barriers, and maternal mental health.

- **Sulaiman Al-Rajhi Foundation for Development Finance (Non-Profit) – Socioeconomic Retention Research:**

In partnership with the non-profit Sulaiman Al-Rajhi Foundation (Maslak 0%-interest financing program), BMC tracks and evaluates the impact of non-commercial educational micro-financing on low-income student retention and graduation rates.

3) Development of Educational Resources with NGOs

BMC co-develops open-access digital platforms, clinical guides, mobile applications, and community toolkits in direct collaboration with international and national NGOs:

- **World Federation of Occupational Therapists (WFOT) & WHO "Learning on TAP" – Open-Access Arabic Digital Library & App:**

  In collaboration with WFOT (an international non-governmental organization) and the WHO Learning on TAP platform, BMC's Occupational Therapy Program developed and launched the Open Digital Library for Occupational Therapy. Available completely free to the global public, this resource package includes:

  - The "Occupational Therapy Dictionary" Mobile Application (free on Apple iOS and Android);
  - A dedicated open-access YouTube Educational Channel featuring visual rehabilitation tutorials; and
  - Seven Open-Access Arabic Medical Books and Reference Guides, including *"1,000 Therapeutic Activities for Children"* and the *"Post-COVID-19 Rehabilitation Reference Guide"* for families, caregivers, and clinicians.

- **American Heart Association (AHA) & Saudi Red Crescent – Lifesaving & First-Aid Educational Curricula:**

  As an accredited AHA Training Center, BMC co-develops and disseminates standardized Basic Life Support (BLS), CPR, choking management, and hemorrhage control educational modules and hands-on training kits delivered free of charge to 300+ elementary school pupils, middle school students, Red Sea Global trainees, and the general public.

- **Kafa Organization, Masar Center & Special Needs NGOs – Community Caregiver & Prevention Toolkits:**

  Alongside Kafa Organization, Masar Center, Aoun Center, and Etizan/Mutma'inah, BMC co-developed psychoeducational

brochures, self-care guides, medication safety toolkits ("Know Your Meds" and "Ask Me 5" aligned with the WHO Global Patient Safety Challenge at Saudi German Hospital), and home-based caregiver training manuals for families of children with Down syndrome and autism.

- **Open Visual Library for Radiological Sciences & British Council / Royal Colleges Educational Pathways:**

  BMC's Radiological Sciences Department produced open-source visual educational modules on radiation safety and diagnostic imaging (X-ray, CT, MRI, Ultrasound, Nuclear Medicine) utilized in community hospital campaign, while partnering with the British Council and UK Royal Colleges (MRCP, MRCOG, MRCS) to provide preparatory educational resources for medical practitioners.

17.3: Publication of SDG Reports

BMC demonstrates an unwavering commitment to transparency, accountability, and the continuous improvement of its sustainability efforts through a robust, multi-channel reporting strategy. The institution's systematic approach to documenting and disseminating its progress on the SDGs is a core component of its partnership ethos, ensuring all stakeholders—from students and faculty to government partners and the international community—have clear insight into its activities and impacts. BMC's publication strategy is structured to provide both granular detail and a holistic, institution-wide overview.

A Systematic Framework for SDG Reporting

1. **Individual Program-Level Social Responsibility Reports:** Each academic program within BMC, from Medicine and Dentistry to Occupational Therapy and the Preparatory Year, produces its own detailed **"Social Responsibility Report."** These are, in effect, **individual SDG progress reports**. They provide a granular, discipline-specific view of contributions.
2. **Individual SDG Report:** By collecting different BMC's academic program and administrative sectors, BMC is committed to the synthesis and publication of individual SDG showing its initiatives, activities and future planes.
3. **A Consolidated Annual Sustainability Report:** Building upon these activities and reports, BMC is committed to the synthesis and publication of a comprehensive, college-wide "Annual Sustainability and SDG Impact Report." This flagship document will consolidate data from all programs and administrative units to present a unified narrative of BMC's sustainability journey. It explicitly maps the college's diverse activities to each of the 17 SDGs,

providing stakeholders with a clear, at-a-glance understanding of BMC's holistic impact.

4. **Dynamic Digital Disclosure via the Official Sustainability Website:** To ensure permanent, accessible, and engaging dissemination of its sustainability narrative, BMC maintains a dedicated **Sustainability section on its official corporate website** at **https://www.bmc.edu.sa/en/About-BMC/Sustainability**. This digital platform is the public face of BMC's commitment, serving as a living repository for the latest SDGs reports; news articles and press releases highlighting ongoing sustainability initiatives; Multimedia content (photos, videos) showcasing community engagement; and Key policies and statements of commitment.

17.4: Education for the SDGs

BMC's educational philosophy is intrinsically linked to sustainability and the SDGs, ensuring that every graduate is equipped to be a responsible global citizen; by embedding the 17 SDGs across its 9 undergraduate programs, 3 postgraduate programs, Preparatory Year, and Continuing Education / Vocational tracks across all campuses. Governed by the BMC Curriculum Development and Review Policy, the Institutional Quality Assurance & NCAAA Course Specification Framework, and the Lifelong Learning & Non-Discrimination Access Policy, BMC mandates that every academic program systematically maps its Course Learning Outcomes (CLOs), weekly contact hours, and student assessment instruments directly to specific SDGs.

17.4.1 Education for SDGs: Commitment to Meaningful Education

1) Education Integrated Across the Full Curriculum (Mandatory Institutional Policy)

BMC's Academic Affairs and Quality Assurance Deanships enforce a binding institutional mandate requiring all undergraduate and postgraduate degree programs, including General Medicine Practice (MBBS), General Dentistry, Doctor of Pharmacy (PharmD), General Nursing, Physical Therapy, Occupational Therapy, Respiratory Therapy, Radiological Sciences, and Health Care Administration / Management, to embed the SDGs into their official NCAAA Course Specifications.

- **Standardized CLO-to-SDG Mapping:** Every approved course specification contains a dedicated *"Aligned SDGs"* column in (Course Learning Outcomes, Teaching Strategies, and Assessment Methods) and (Course Content / Weekly Topics),

ensuring that sustainability principles (e.g., environmental health, radiation safety, health equity, ethical governance, resource efficiency, and climate adaptation) are taught and assessed in every degree.

- **Curricular Service-Learning Integration:** Across all academic programs, participation in community sustainability campaigns (such as Sustainable Food Security, Breast Cancer Screening, Medication Safety, and Environmental Health in the Workplace) is formally integrated as a credit-bearing component of course curricula and student clinical evaluations.

2) Mandatory Education for All Students

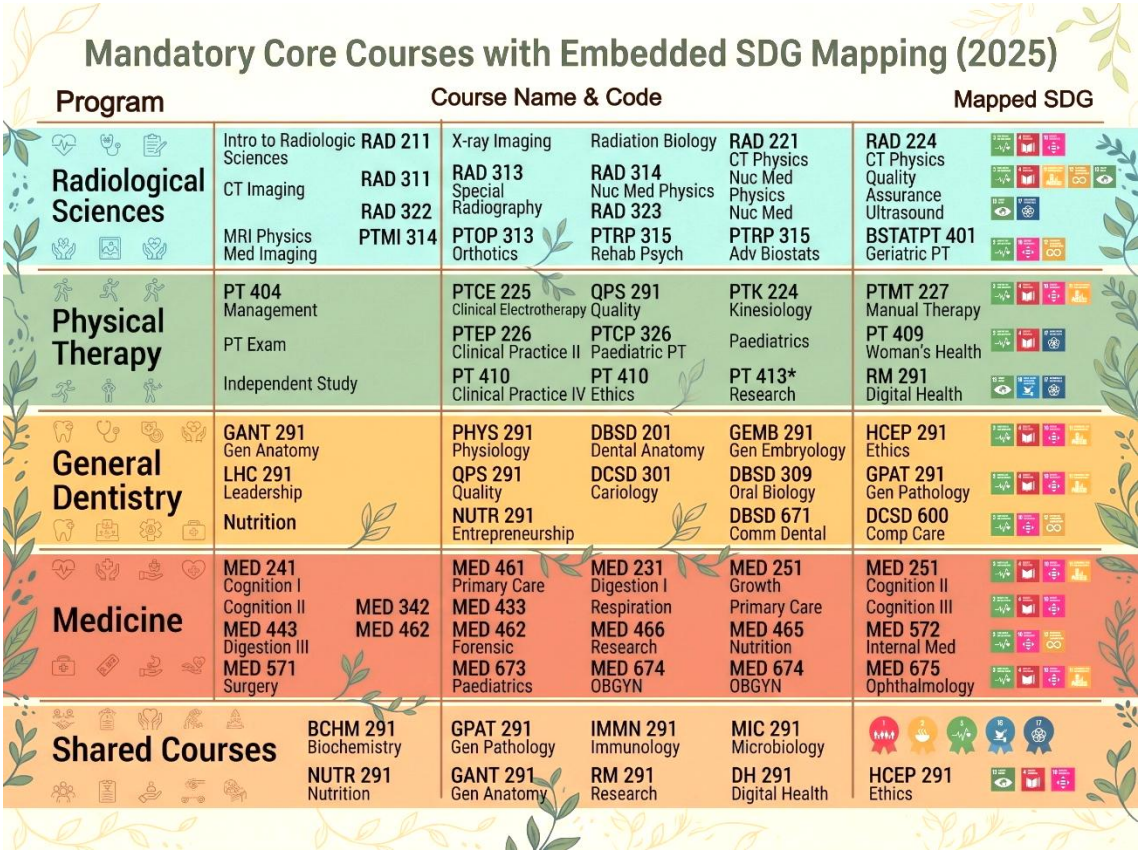
Every student entering BMC, regardless of major, completes mandatory foundational and college-required courses that explicitly teach and assess SDG competencies:

- **Preparatory Year (PY) & Foundation Curriculum:** All incoming students complete mandatory foundation modules integrating environmental science, AI and digital sustainability, medical ethics, and public health literacy, alongside mandatory participation in PY social responsibility and sustainability projects.
- **Mandatory College-Wide Core Courses:** All students complete required college-level courses, such as *Leadership in Healthcare*, *Quality and Patient Safety*, *Medical Ethics*, and *Research Methodology & Clinical Nutrition*—which directly address SDG 2, SDG 3, SDG 4, SDG 8, SDG 9, SDG 12, and SDG 16.
- **Mandatory 1st-Week Sustainability & Social Responsibility Orientation:** During the mandatory Orientation Week (September 7–11, 2025) for Preparatory Year, Bridging, and Transfer students, the Social Responsibility and Sustainability Unit (SRSU) and Student Welfare Unit deliver compulsory sessions on institutional sustainability, civic engagement, and SDG student club pathways.

3) Optional Education for All Students

To empower students to customize their sustainability learning journey, BMC provides three layers of optional SDG education accessible to all students across all campuses:

- **28+ Dedicated SDG Elective Courses:** Offered by Academic Affairs across nutrition, environmental toxicology, occupational safety, bioethics, and cross-cultural leadership, explicitly mapped to SDGs 1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 13, 16, and 17.
- **edX Global Enterprise Partnership:** Providing free learner credits for all BMC students to enroll in global sustainability, data science, and public health MOOCs on edX.org and GetSmarter.com.
- **Co-Curricular SDG Education via 42+ Student Clubs & Annual Forums:** Students engage in optional workshops, hackathons, and scientific forums, including the BMC Innovation Bootcamp 2025 (*"From Idea to Product"*, engaging 60 teams and 104 students), the Mental Health Innovation Forum 2025, and the Smart Health AI Forum 2025.



17.4.2 Education for SDGs: Specific Courses on Sustainability

BMC provides a comprehensive catalog of over 28 dedicated 2-credit-hour undergraduate elective courses, focused directly on environmental health, sustainable nutrition, occupational safety, clean technology, and global health governance.

1) Catalogued Elective Courses Specifically Addressing Sustainability & the SDGs

BMC's official *Elective Courses for Medical Programs* catalog provides dedicated courses explicitly designed around the SDGs:

- **Environmental Sustainability, Toxicology & Climate Action Courses (SDGs 3, 6, 8, 12, 13, 17):**
  - **ELE 331 – Occupational Biomedicine and Ergonomics (2 Credits, Aligned with SDGs 3, 8, 17):** Focuses on multidisciplinary occupational safety, worker protection, and optimizing sustainable human-environment workplace systems.
  - **ELE 332 – Introduction to Occupational and Environmental Health Sciences (2 Credits, Aligned with SDGs 3, 6, 8, 12, 13, 17):** Directly addresses industrial hygiene and environmental health through the anticipation, recognition, evaluation, and control of environmental and workplace hazards in the surrounding community.
  - **ELE 333 – Poisoning from Household to Clinics (2 Credits, Aligned with SDGs 3, 8, 12, 13, 17):** Investigates daily human exposure to environmental and dietary chemicals, toxicological implications, and responsible chemical consumption.
  - **ELE 334 – Environmental Toxicology and Human Health (2 Credits, Aligned with SDGs 3, 8, 12, 13, 17):** Examines the adverse impacts of chemical contaminants and pollutants on living biological systems and ecosystems, equipping students to predict and prevent environmental degradation and human health hazards.
  - **ELE 732 – Hygiene Instrumentation Techniques (2 Credits, Aligned with SDGs 3, 4, 9, 12, 17):** Covers environmental and laboratory instrumentation, sampling methodologies, standardization, and critical data analysis for hygiene and waste reduction.

- **Food Security, Hunger Eradication & Sustainable Nutrition Courses (SDGs 1, 2, 3, 17):**
  - **ELE 311 – Food, Health, and Culture (2 Credits, Aligned with SDGs 1, 2, 3, 17):** Explores Nutritional Anthropology, analyzing the intersection of food systems, cultural practices, poverty, malnutrition, and disease from a holistic sustainability perspective.
  - **ELE 312 – Nutrition, Fitness, and Health (2 Credits, Aligned with SDGs 1, 2, 3, 17):** Evaluates nutritional sciences and exercise physiology to prevent non-communicable diseases and promote lifelong well-being.
  - **ELE 314 – Particular Issues in Food and Nutrition (2 Credits, Aligned with SDGs 1, 2, 3, 17):** Addresses systemic and individual challenges in food security, malnutrition, and clinical nutrition.
- **Social Equity, Diversity, Gender Equality & Peace/Justice Courses (SDGs 3, 4, 5, 8, 10, 16, 17):**
  - **ELE 313 – Human Cultural Diversity in Scientific Research (2 Credits, Aligned with SDGs 3, 4, 5, 10, 17):** Examines cultural diversity, gender equity, inclusion, and ethical frameworks in scientific research and medical analysis.
  - **ELE 315 – Aging and Health in Social and Cultural Contexts (2 Credits, Aligned with SDGs 3, 5, 10, 17):** Analyzes socio-cultural determinants of health in aging populations, inequality in illness distribution, and sustainable long-term care systems.
  - **ELE 321 – Biomedical Ethics & ELE 322 – Ethics (2 Credits each, Aligned with SDGs 3, 5, 10, 16, 17):** Explore autonomy, beneficence, social justice, moral obligations, and human rights in biomedical sciences.
  - **ELE 412 – Communication Skills-II (2 Credits, Aligned with SDGs 4, 5, 8, 10, 17):** Specifically designed *"to develop student's leadership capacity with communication skills that promote cooperation and impact for positive change... inspiring others to drive innovation, sustainability, and positive change in the institution"*.
  - **ELE 712 – Cooperative Leadership: Cross-Cultural & ELE 713 – Leadership in a Diverse Workplace (2 Credits each, Aligned with SDGs 4, 5, 8, 10, 17):** Address globalization, international conflict resolution, gender equality, and managing multicultural teams.

- **Sustainable Healthcare Innovation, Pandemics & Early Childhood Education Courses (SDGs 3, 4, 8, 9, 17):**
    - **ELE 563 – Community Issues for Medical Practitioners**; **ELE 566 – Health and Science for Preschool and Primary Grades, & ELE 567 – Knowledge in the Early Childhood (2 Credits each, Aligned with SDGs 3, 4, 17):** Equip medical students to teach health and science at preschool/primary levels and address community social determinants.
    - **ELE 733 – Pandemics and Prevention of Diseases; ELE 734 – Medication Errors and Safe Prescribing, & ELE 736 – Comparative Healthcare Systems (2 Credits each, Aligned with SDGs 3, 4, 8, 17):** Address global epidemic preparedness, cost/quality/access equity, and safe pharmaceutical systems.
    - **ELE 735 – Innovation in Healthcare (2 Credits, Aligned with SDGs 3, 4, 9, 17):** Explicitly *"focuses on sustainable innovation, introducing students to the realities of problem identification and solution design within the complex world of healthcare"*.

2) **Specialized Degrees, Diplomas & International Certificate Programs on Sustainability**

- **Sustainable Health & Wellness Tourism and Hospitality Programs:** In partnership with Tamkeen Al-Mustamir Higher Institute (TMI), Università degli Studi di Palermo (Italy), and Florida International University (FIU, USA), BMC delivers specialized academic tracks and joint diploma frameworks in Health and Wellness Tourism, Luxury Hospitality, and Sustainable Food & Beverage Management aligned with Vision 2030 sustainability goals.
- **Stanford Center for Health Education "Healthcare Leadership" Certificate:** An 8-week online specialized professional program (accredited by SCFHS) training participants to apply leadership theories to real-world healthcare sustainability challenges.
- **Harvard Medical School (HMX) & International Language/Cultural Diplomas:** Sponsored student enrollment in Harvard Medical School HMX online modules, alongside accredited on-campus language and intercultural communication courses delivered with the British Council (English), Goethe-Institut (German for Healthcare & Tourism), and Alliance Française d'Arabie Saoudite (French for Medicine / DELF-DALF).

17.4.3 Education for SDGs in the Wider Community

BMC is deeply committed to promote health education and awareness within the wider community, emphasizing its role in advancing the SDGs. Through various dedicated outreach educational activities, BMC demonstrates its dedication to improving the health literacy and well-being of the local population and beyond. These outreach initiatives extend beyond the classroom, reaching diverse community groups, including schoolchildren, underprivileged families, and healthcare professionals. This comprehensive approach highlights BMC's mission to create positive, sustainable impacts on society. BMC delivers structured, year-round educational outreach activities across all three demographics (**Alumni**, **Local Community**, and **Displaced People and Refugees):**

1) Dedicated SDG Educational Activities for Alumni

With a network of over 5,550 graduates, BMC's Alumni & Career Development Unit and Training & Development Center provide continuous, structured SDG education, entrepreneurship incubation, and professional upskilling for alumni:

- **BMC Start-Up Day 2025 ("Innovate & Ignite: Shaping the Future of Healthcare" & BMC Digital Health Hackathon 2025:** Explicitly targeted at fresh graduates/alumni and students, providing free seminars on sustainable business models, market insights, and tracks in *AI & Data, Personalized Medicine, Blockchain Security, and System Efficiency*, with up to SAR 50,000 in seed funding and fast-tracked startup incubation via SURGE Labs (Masbak) and Monsha'at (SDG 1, SDG 8, SDG 9).
- **Accredited Continuing Medical Education (CME), Clinical Attachment & Executive Courses for Alumni:**
  - **Virtual Medical Academy (VMA) & SCFHS-Accredited Courses:** Delivery of live online courses for healthcare practitioners and alumni, such as *"Tools to Target High-Indexed Journals: Basic Tools and Application"* (covering research ethics, plagiarism prevention, and scientific data analysis).
  - **Stanford Healthcare Leadership Certificate, AHA Basic Life Support (BLS), and Royal College Examinations (MRCP, MRCOG, MRCS):** Continuous professional recertification and global competency training for BMC alumni and regional practitioners.

- **BMC Dentistry Clinical Attachment Program & Biomanufacturing Training (SVax Partnership):** Hands-on clinical and industrial biotechnology upskilling for graduates and qualified beneficiaries (SDG 3, SDG 4, SDG 8, SDG 9).
- **Legal & Ethical Accountability Workshops for Alumni:** Specialized seminars such as *"Legal Responsibility of the Health Practitioner"* led by licensed legal consultants to educate alumni and students on medical ethics, patient rights, and disciplinary accountability (SDG 16).

2) Dedicated SDG Educational Activities for the Local Community

BMC executes both programmed and ad-hoc educational outreach across local schools, municipalities, shopping malls, corporate workplaces, detention centers, and special needs centers—supported by formal MoUs, with Ertiqaa Association for Special Needs, Athar Health Volunteering Association, Positive Development Association, Dirham Weqaya Association, Namat Association for Healthy Life Promotion, and Volunteer Ambassadors Endowment (Waqf Sufara Al-Tatawwu):

- **8-Week High School Research Literacy Academy ("Blue & Green Schools":** Implemented in partnership with the **General Directorate of Education in Jeddah**, where 18 BMC faculty mentors trained **103 high school students from 21 local schools** across 5 workshops on scientific research methodology, ethics, and sustainability problem-solving, culminating in a public poster exhibition and awards ceremony (SDG 4, SDG 5, SDG 9).
- **School Environmental, Agricultural & Health Literacy Outreach:**
  - **School Medical Specialties Forum 2025:** Welcomed hundreds of local high school students for career panels and hands-on seedling potting and sustainable agriculture training in partnership with the Ministry of Environment, Water and Agriculture (MEWA) (SDG 2, SDG 4, SDG 13, SDG 15).
  - **Targeted School Educational Visits:** Included *"What Medications Do in Our Body"* at Dar Jana International School (educating Grade 10 boys and girls on pharmacokinetics and preventing drug misuse); Anti-Corruption & Ethics Education by the Nazaha Club at Dar Jana School; Vaping & Asthma Lung Health Education at Al-Andalus School; Oral Health & Nutrition Education for 160 kindergarteners at Al-Hassan International

School, 7th Model School, and 97 students/teachers at Advanced Generations School; and hands-on STEM lab immersions (*"Small Scientist"* & *"Cell-ebration of Life"*) for Al-Faisaliah, Anjal Al-Aqeeq, and Dar Al-Amjad schools.

- **Neighborhood, Workplace & Vulnerable Community SDG Education:**
  - **Community Asthma, Sleep & Pulmonary Education:** Delivered at the Al-Hamdaniah Neighborhood Center and occupational Pulmonary Function Testing (PFT) & air-quality awareness for SAGA Company employees and Red Sea Global trainees.
  - **Marginalized & Detained Populations Outreach:** The Dentistry Program conducted multiple educational and clinical outreach visits to the Jeddah Juvenile Detention Center (educating and screening 50+ detained youth on oral hygiene and nutrition), Dar Al-Saydah Aisha Charitable Endowment Housing with MHRSD, Sukoon Long-Term Care Center, Saudi Society for Hearing Impairment (utilizing certified sign-language interpreters), and the Wheelchair Footrest Bumper Pedestrian Safety Campaign in Makkah and Madinah.
  - **Open-Access Digital Community Education ("OT in Arabic"):** Free mobile dictionary app (iOS/Android), YouTube channel, and 7 open-access Arabic therapy books developed with WFOT and WHO Learning on TAP for local families and caregivers.

3) Dedicated SDG Educational Activities for Displaced People, Refugees & Vulnerable Immigrant/Migrant Communities

Operating in the Hijaz region (Jeddah and Makkah) with a campus community representing 38 nationalities, BMC's Lifelong Learning Access Policy explicitly guarantees barrier-free educational access regardless of immigration status, ethnicity, or socioeconomic background:

- **Educational & Preventive Health Outreach for Displaced, Refugee & Low-Income Immigrant Communities:**
  - **Grand Mosque (Al-Haram) & Makkah Volunteer Outreach:** In collaboration with the Saudi Red Crescent Authority, Civil Defense, and Dirham Weqaya Association (Makkah), BMC student and faculty volunteers delivered multilingual health education, diabetic foot care guidance (aligned with the *Hajj Health Volunteer Program* for pilgrims from developing nations),

emergency first aid, and heat-stress prevention to thousands of international visitors, displaced populations, and low-income immigrants in Makkah (SDG 3, SDG 10, SDG 11).

- **Expatriate & Immigrant School Health Education (Nigerian International School Outreach):** BMC faculty and students conducted dedicated oral cancer/suspicious lesion education, dietary counseling, and free clinical screenings for immigrant students and families at the Nigerian International School in Jeddah.
- **Cultural Adaptation, Financial & Educational Support for LIC/LMIC & Displaced Students:** Through Indicator 1.3.5 and 4.3.5 frameworks, BMC provides full/partial tuition waivers, free housing, and food vouchers for students originating from Low and Lower-Middle-Income Countries (LICs/LMICs) and conflict-affected nations (such as Sudan, Yemen, and Syria), reinforced by the "Adapting to Life in Jeddah" Workshop, Nigerian Day, and Multicultural Day organized by the International Student Office to ensure cultural integration and educational equity.

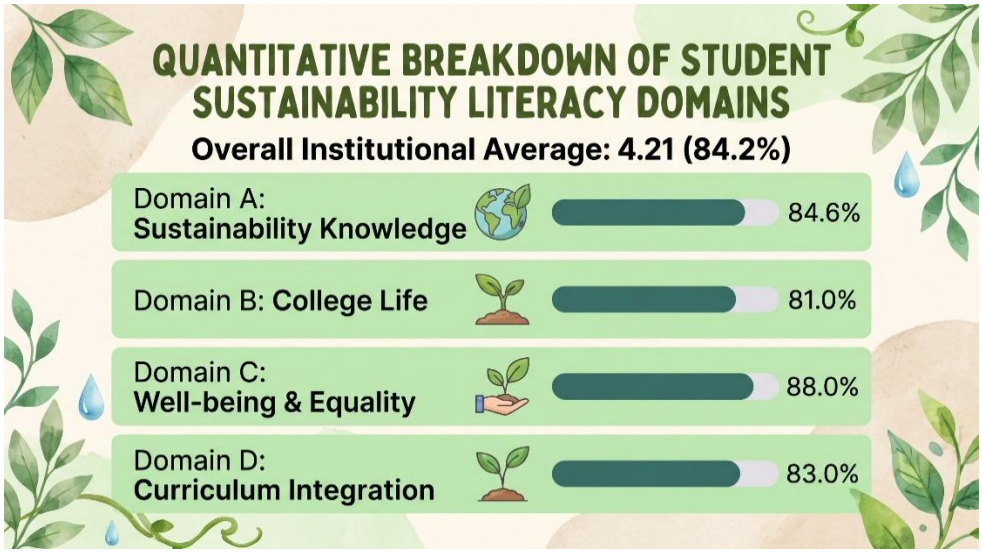
17.4.4 Sustainability Literacy Assessment of Students

BMC operates a formalized, institution-wide Sustainability Literacy Assessment System that systematically measures how students learn, retain, and apply core sustainability concepts, policies, and SDG practices across their academic and co-curricular lifecycle.

1) Institution-Wide Sustainability Literacy Measurement: The BMC Community Sustainability Survey 2025 (Blue Analytics System)

BMC implemented a comprehensive, college-wide BMC Community Sustainability Survey for Sustainable Development Goals – Student Edition via its enterprise Blue assessment platform.

- **Survey Scope:** The assessment was administered to the entire active student body across all undergraduate and postgraduate programs, achieving a high, statistically robust participation rate of 67.58%.
- **Overall Sustainability Literacy & Competency Benchmark:** Across all 16 structured competency and literacy items, BMC students achieved an overall mean score of **4.21 out of 5.00 (84.2%)**, demonstrating strong institutional retention and practical understanding of the SDGs and campus sustainability policies.



2) Qualitative Student Literacy & "Data-to-Action" Feedback Loop

Section E of the **BMC Community Sustainability Survey 2025** (*"Any suggestions you have to improve the sustainability practices on campus?"*) evaluates students' critical thinking and applied problem-solving regarding environmental and social sustainability. Qualitative responses demonstrated advanced student sustainability literacy across key technical areas:

- **Circular Economy & Microplastics Literacy:** Students proposed structured campus item-exchange/trading events governed by hygiene standards to reduce waste, paper and fabric recycling workshops, scientific seminars on microplastic health hazards, and eco-friendly, medically validated feminine hygiene solutions.
- **Water Harvesting & Native Xeriscaping:** Students recommended expanding sustainable campus landscaping using drought-tolerant native flora irrigated via harvested rainwater and recycled greywater to minimize freshwater consumption.
- **Closed-Loop Institutional Action:** BMC's Social Responsibility and Sustainability Unit and Campus Operations directly translated these student literacy insights into concrete campus interventions, including the 4th Annual Book Swap (circular economy reuse), the Eco-Friendly DIY Natural Skincare Workshop (eliminating synthetic chemicals and single-use plastics), the Women's Menstrual Health & Kotex Campaign, and the planting of 1,000+ native seedlings on campus with the Ministry of Environment, Water and Agriculture alongside greywater recycling and rainwater harvesting upgrades.

3) Direct Curricular & Co-Curricular Assessment of Student SDG Literacy

Complementing the college-wide survey, BMC evaluates student retention of sustainability concepts through four direct academic assessment mechanisms:

I. Direct CLO-to-SDG Attainment Tracking via ExamSoft & QQ® Assessment Solution:

- Every BMC course specification explicitly maps Course Learning Outcomes (CLOs) to relevant SDGs (e.g., *RAD 213 X-ray Imaging Equipment* mapped to SDGs 3, 4, 9; *RAD 323 Nuclear Medicine Imaging Techniques* mapped to SDGs 3, 4, 16; *LHC 291 Leadership in Healthcare* mapped to SDGs 3, 4, 8, 9, 16; and *QPS 291 Quality and Patient Safety* mapped to SDGs 3, 4, 16).
- Using **ExamSoft**, **Blackboard Learn Ultra**, and the **QQ® Assessment Solution**, BMC links examination questions (MCQs, SAQs, practical OSPE/OSCEs, and case studies) directly to SDG-aligned CLOs, generating automated end-of-semester QQ® Reports and Item Analysis Reports to audit student mastery of sustainability competencies.

II. Pre- and Post-Intervention Thematic Literacy Quizzes:

During targeted campus campaigns, BMC conducts diagnostic pre- and post-intervention literacy testing, such as the Healthcare Ethics & Informed Consent Quiz during the *Women's Health Empowerment* campaign and the World Mental Health Literacy & Screening Assessment.

III. Competency-Based Evaluation (CBE) of Student SDG Research & Posters:

Students are formally graded on applied sustainability research during mandatory Poster Presentation Days (such as the 3rd-Year Medicine *Clinical Nutrition & Research Methodology* Poster Day, and the Health Management *Universal Health Coverage & Women's Health Policy* Poster Day) and annual BMC Scientific Research Forums, where students present peer-reviewed studies on fast-fashion environmental footprints (SDG 12), improper pharmaceutical disposal and aquatic bioaccumulation (SDG 6, 12,

14), NEOM renewable energy models (SDG 7, 11), and Saudi Vision 2030 SDG alignment (SDG 3, 17).

IV. Enterprise Digital Learning Analytics (edX Data Package & AI Mentoring Matrices):

Through BMC's enterprise agreement with edX LLC and AI (Claude)-Enhanced Academic Mentoring Matrices, BMC tracks student enrollment, assessment scores, and certificate completion across global sustainability and healthcare courses.

BMC stands as a powerful example of how a specialized higher education institution can serve as a nexus for sustainable development. By weaving partnerships into the very fabric of its teaching, research, and service, BMC is not only contributing to the achievement of the SDGs but is also cultivating a generation of health professionals who understand that partnership is the most vital prescription for a healthy, equitable, and sustainable future.

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