

## **Aum AMMA**

### **Criterion 1 - Curricular Aspects**

- 182 Programs offered
- 90% Programs have syllabus revised
- 98.9% Programs have CBCS Implemented
- 2146 New courses introduced
- 85% Courses aligned with employability, entrepreneurship, skills for industry readiness.
- 361 New value added courses
- 15000 (78%) students undertaking field projects/ internships
- 100+ Courses on Professional ethics, Gender, Human Values, Environment and Sustainability
- Structured feedback from stakeholders collected, analyzed and action taken
- Curricula relevant to local, state, and national priorities - Digital India, NMEICT, National Mission on Health, National Mission on Water, Unnat Bharat Abhiyan, Kerala Biotechnology Mission, Make-in-India, Skill India.

### **Criterion 2 - Teaching-learning and Evaluation**

- Faculty-student ratio is 1:14; Mentor-Mentee ratio is 1:14
- Slow Learners Progress - Remedial Classes, Tutorials & Bridge Courses
- Advanced Learners Growth - Fast Track through Honours Courses, Research Projects, Industry Internships, Semester Abroad & Student Exchange Programs
- Programs with Student-Centric Methodologies
- Experiential Learning through Live-in-Labs & Field projects
- ICT Proficiency of faculties' - AUMS, A-VIEW, AMPLE, Virtual Labs, MedSIM, AyurCel
- AUMS eGovernance system drives examination reforms with 95% pass percentage
- 100% Automation of Exams
- Course Articulation Matrix (CAM) for mapping CO, PSO & PO.
- Attainment levels are evaluated
- 1021 faculty holding Ph.D., DM, M.Ch., MD, and MS.
- 10 prestigious highly selective National S&T awards
- IQAC best practice of Department Academic Advisory Committee (DAAC) for effective implementation of OBE

### **Criterion 3 - Research, Innovations and Extension**

- World's First

- male to female upper arm transplant,
- 584 liver
- 148 corneal transplants.
- Asia's 1st UNESCO Chair on Gender Equality & Women's Empowerment
- First ever UN Academic Impact conference on Sustainable Development
- 25+ Centers of Excellence - Nanosciences, Wireless Networks, Human-Computer Interaction, Digital Learning, Cyber Security, Biomedical, Computational Engineering, Tribal Studies, Green Materials
- 25 Crores seed money to 450 faculty.
- 100 Faculty awarded international research fellowships.
- 994 JRF, SRF, Research fellows
- 825 Projects with extramural funding of 155 Crores.
- 5483 Research papers in UGC-CARE Journals
- 4729 Books/Chapters/Conference proceedings
- 28807 (Scopus), 18071 (Web of Sciences) - Citations
- 747 Ph.D./DM/MCh/MD/MS/MDS/DNB degrees awarded.
- 428 Awards and recognitions for research and innovations.
- 150 Startups under Technology Business Incubator
- 158 Patents published/awarded
- 1402 Extension activities involving 100% of our students.
- 400 Collaborative initiatives and 150 functional MoUs
- 900 lakhs of consulting support.

#### **Criterion 4 - Infrastructure and Learning Resources**

- Adequate World-class facilities for teaching-learning
- 100% Classrooms & Seminar halls with ICT facilities
- 1500 WiFi points, 5900 computers for academics
- 315 Outdoor & Indoor sports facilities; Play Grounds, Jogging Tracks, 15 km Nature trail for walking, Gymnasiums, Swimming pools, Yoga
- Support Student Needs: Banking, Photocopy, General stores, Medical, Laundry, Parks, Student activity clubs.
- 300+ Teaching & Research labs - Manufacturing, Maker, Computational, Robotics, Biotechnology, Wireless
- High Value Medical equipment - Da Vinci surgical robotic system, Rosa, Mako robotic-arm assisted technologies, Cyberknife, Tomography facilities.
- Central library in each campus with barcoded books, printed journals, periodicals, scholarly references
- Automation of library - Integrated Library Management System and OPAC

- 7.3cr average yearly expense for library books/e-books/e-journals

#### **Criterion 5 - Student Support and Progression**

- 87% Students benefited by scholarship/freeship
- • Chancellor's Fellowships to pursue PhD
- • Scholarships for Students - Visvesvaraya (National) & Erasmus Mundus (International)
- • 80% Students benefited from career counselling
- • Zero tolerance policy towards sexual harassment and ragging
- • Mechanisms for timely redressal of grievances
- • 800+ Students qualifying in State/National/International exams
- • 200+ Award won by students in sports & cultural activities at State/National/International level
- • Active presence of student council members in course & class committees, sports, cultural, clubs
- • 100+ Sports, Cultural events organized annually
- • Institutionalized AGAN - Amrita Global Alumni Network
- • 27000 Amrita Alumni in AlmaConnect & LinkedIn
- • 100+ lakhs contribution by Amrita Alumni

#### **Criterion 6 - Governance, Leadership and Management**

- Clearly stated Vision & Mission as reflected in Administrative & Academic governance
- Participative management with decentralization
- Innovative Faculty appraisal process - FRAP, IPRS
- 5-10-15 years: Strategic Plan developed & deployed
- 68.7% Teachers provided with financial support for conferences & workshops
- 290+ Professional development programs conducted
- 91.1% Teachers attending FDP, Short term courses
- 28.6 crores Govt. funding for development & maintenance of infrastructure
- 29.2 crores Non. Govt. funding
- Royalties from IP licensing through Patents & Technology Transfer
- Academic & Administrative policies, fees structure, shared on the website
- Multi-pronged strategies for mobilization of funds

#### **Criterion 7 - Institutional Values and Best Practices**

- Chancellor honored by PM for contribution to Swachh Bharat Kosh.
- Recognized by UNESCO.- Women's empowerment and gender equality programs
- No. 1 in Swachh Campus Rankings 2 years in a row
- Top award from Kerala Pollution Control Board for Green Campus

- Sustainability initiatives - solar panels, biogas units, LED lighting, solid waste conversion
- 200+ events/year to sensitize students and staff to be responsible citizens.
- 150+ commemorative and celebrative events.
- Disabled friendly facilities.
- Best Practice 1 - International Programmes for Global Reach
- Best Practice 2 - Live-in-Labs®: Experiential Learning for Sustainable Development
- Institutional Distinctiveness - Compassion Driven Research

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## IQAC

### **Internal Quality Assurance Cell (IQAC)**

- 3 tier IQAC structure at university, campus/school, and department level
- Significant incremental improvements and outcomes through IQAC in international and national rankings and accreditation by AACSB, NBA, ISO, NIRF, THE, QS, NABH and NABL
- OBE has resulted in official recognition and certification via successfully completion of the NBA accreditation process (for several engineering programmes) and AACSB (for business management programs)
- Research and Technical Writing in the Curriculum- all PG students undertake research leading to a publication, based on the rationale that research and technical writing experience would contribute substantially to the intellectual growth of the student.

### Academic Quality Initiatives

- Teaching and Research Excellence: For students, there is a requirement of Scopus-indexed publication for all Masters projects, as well as for Bachelors projects for graduation with distinction. These have resulted in enhancing the citations/paper to 5.1, H-index to 38, and doubling of publications over five years.
- AMMACHI Labs implemented effective intervention strategies to empower women and strengthen gender equality. Three new research centers excellence were formed: (1) UNESCO Chair, for the Center for Women's Empowerment and Gender Equality (CWEGE), (2) Center of Excellence for tribal well-being, and (3) center for sustainable future.
- The 200+ international collaborations with eminent institutions (of which 59 belong to the world's top 500 ranked universities) provide student exchange and mobility, dual degrees, internships and collaborative projects. Students have achieved international recognition at multiple forums such as the IEEE, Cyber CTFTIME.org,

ACM ICPC, and Hackathons.

### Administrative Quality Initiatives

- Autonomy and Delegation of Authority - To ensure greater autonomy at all levels, the institution was restructured under seven Faculties: 1) Sciences, 2) Engineering, 3) Management, 4) Medicine and Allied Health Sciences, 5) Arts, Media and Commerce, 6) Humanities and Social Sciences, and 7) Interdisciplinary Studies, with each faculty headed by a Dean.
- Corporate & Industry Relations (CIR): This directorate's programs and activities have facilitated our graduates being employed globally at top brands like Google, Amazon, IBM, and Samsung. With connections to over 21000 global alumni, CIR successfully liaises with SMEs and Industry.
- Excellence in Entrepreneurship - Amrita Technology Business Incubator (TBI) was selected by NITI Aayog as one of the top six incubators in the country in its first cohort, and won Best Incubator of the Year Award in 2017. Patents have increased from 10 granted in 2014 to over 150 granted/published by 2019. Over 150 startups have been nurtured, and over 20000 students have been trained.

### Outcomes from Academic and Administrative Initiatives

- The university has been recognized as an Institution of Eminence (IOE).
- In a short span of 16 years, Amrita has been featured in the Top 1% universities in the world, in THE's 2020 World University Rankings 2020.
- Significant improvements in subject-wise rankings were achieved in Medical Sciences (Top 300) and Engineering & Technology areas (Top 500).
- Among Indian Private Universities that are world ranked, Amrita's ranking has scaled to No. 1 position.

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