

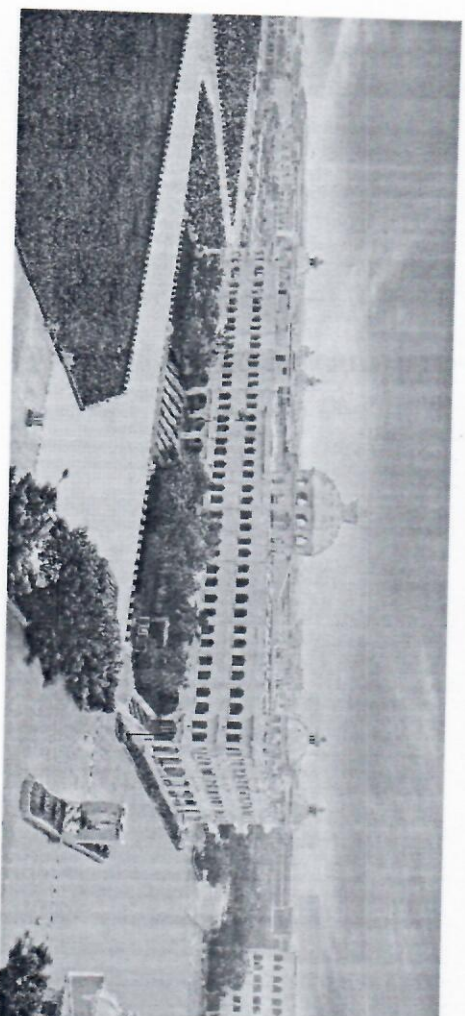
SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

ACTION TAKEN REPORT

STAKEHOLDER FEEDBACK

2020-2021



INTERNAL QUALITY ASSURANCE CELL

Action Taken / Curriculum updates based on the Stakeholder Feedback
Academic Year 2020-2021

Stakeholder	Feedback	Name of the School/ Department	Action Taken/Updates	Proof of Record
Alumni, Employers, Faculty, Students	Programs on specializations would increase employability	School of Computing	New Courses Introduced 1. All courses for B.E. Computer Science and Engineering Specialisation in Cyber Security, Blockchain 2. Green Computing, Cyber Forensics, Virtualisation Techniques – B.Tech Information Technology 3. Design Thinking and Universal Human Values – B.E.Computer Science and Engineering	59 th BOM –Item no.59.4.1 Item no.3-IT-MoM- BOS- dated 08/05/2020 Item no.2-CSE-MoM- BOS- dated 21/05/2020
Faculty	Suggested the inclusion of subjects with hands on lab experiences		Revision of courses 1. AI and Robotics, Object oriented Analysis and Systems Engineering. 2. Programming in Java, Database Management System, Programming in C and C++ 3. Java Programming, Digital Image Processing for real time applications, Machine Learning Techniques were revised as 50% weightage for theory and 50% weightage for laboratory	59 th BOM – Item no.59.2 Item no.1-IT-MoM- BOS- dated 08/05/2020 Item no. 59.2 - BOM
Experts, Alumni	Suggested inclusion of Topics on core courses			



			4. Datacommunication and Computer Networks, Design and Analysis of Algorithms – B.Tech Information Technology	Item no.3-IT-MoM- BOS- dated 14/12/2020
Employers, Faculty, Students	Introduction of Drone technologies and power systems will increase employability	School of Electrical and Electronics	Revision of Courses 1. SEC1631 Satellite Communications, AI and Soft Computing, Programming in HDL, Digital signal Processing, Signal and System, Integrated Services Digital Network, MEMS and its Applications, Automatic Speech Recognition – B.E. Electronics and Communication, B.E. Electrical and Electronics 2. Antenna and Wave Propagation, Embedded Processors, High Performance Computing, Real Time Data Analytics, Electronic Circuits-I – B.E. Electronics and Communication, B.E. Electrical and Electronics 3. Industry 4.0 - B.E. Electrical and Electronics Engineering New Courses Introduced 1. Drone Electronics– B.E. Electronics and Communication Engineering 2. Modern Power Converters, Distributed Generation and Microgrids - B.E. Electrical and Electronics Engineering New Courses introduced 1. Industry 4.0 – B.E.Mechatronics Engineering	Item no.1-7 – EE-MoM- BOS-Dated 01/06/2020

Employers,	Courses on sensors and	School of	Revision of Courses	
systems			2. SMRA1201 Fundamentals of Automation and Control, SMRA1401 Automation and Programmable Logic Controller, SMRA1402 Signal and Control system- B.E.Mechatronics Engineering 3. Design of Heat Exchangers, Universal Human Values – B.E. Mechanical Engineering 4. Industry 4.0 Design and Manufacturing, Quality Control and Reliability Engineering - B.E. Mechanical Engineering 5. Certification course on Patent filing and Non Destructive Testing - B.E. Mechanical Engineering 6. Aircraft Design Project Lab - - B.E. Aeronautical Engineering Revision of Courses 1. SMR1301-Micro Electro Mechanical Systems, SMR1302- Sensors and Instrumentation, SMR1303 PLC and automation - B.E.Mechatronics Engineering 2. SMEA1402 – Mechanics of Machines- B.E. Mechanical Engineering 3. SAE A1502 Aerospace Propulsion, SAE A1504 Finite Element methods for Aircraft Systems – B.E. Aeronautical Engineering 4. Vehicle Body Engineering – B.E. Automobile Engineering	BOS-Dated 27/06/2020 Item no.1 – MECHATRONICS - MoM- BOS-Dated 21/12/2020 Item no.1 – MECH - MoM- BOS-Dated 21/12/2020 Item no.1 – MECH - MoM- BOS-Dated 16/04/2021 Item no.1 – MECH - MoM- BOS-Dated 16/04/2021 Item no.1 – AERO - MoM- BOS-Dated 27/06/2020 Item no.1,2 – MECHATRONICS - MoM- BOS-Dated 21/12/2020 Item no.1 – MECH - MoM- BOS-Dated 21/12/2020 Item no.1,2 – AERO - MoM- BOS-Dated 27/06/2020 Item no.1 – AUTO - MoM- BOS-Dated 21/12/2020



Alumni	computational methods are the future in the field of Biotechnology and Bioinformatics	Bio and Chemical Engineering	1. Cell Biology and Biochemistry – BSC Bioinformatics 2. SCHAI102 Material Sciences – B.Tech Chemical Engineering 3. SBT A7006 Advanced Bioinstrumentation – B.Tech Biotechnology 4. SBM1301 Biosensors and Measurements, SBMA1404 Radioimaging and Therapeutics, SBMA3004 Analytical Instrumentation – BTech. Biomedical Engineering	Item no.1 – BIOINFO - MoM-BOS-Dated 26/06/2020 Item no.1 – CHEM - MoM-BOS-Dated 26/06/2020 Item no.1 – BIOTECH - MoM-BOS-Dated 26/06/2020 Item no.1 – BIOMED - MoM-BOS-Dated 26/06/2020
			New Courses Introduced 1. Green Technology, Smart Materials for Industries, Computational and Fluid Dynamics, Industry 4.0, Computational Methods in Chemical Engineering Sciences – B.Tech Chemical Engineering 2. SBMA1102 Principles of Biomedical engineering, SBMA3001 Medical Equipment Maintenance and Trouble shooting, SBMA3010 Telehealth Technology, SBMA4009 Human factors in Engineering and Design, SBMA4005 Virtual and Augmented Reality – BTech. Biomedical Engineering	Item no.1 – CHEM - MoM-BOS-Dated 26/06/2020 Item no.1 – CHEM - MoM-BOS-Dated 06/01/2021 Item no.2 – BIOMED - MoM-BOS-Dated 23/11/2020
Alumni, Faculty	More design oriented courses than architectural courses to be included	School of Building and Environment	Revision of Courses 1. Society, Culture and Environment, SDEA1301 Creative Thinking Process	Item no.2 – ARCH- MoM-BOS-Dated 21/12/2020



			ad Methods, Computer Applications I, Materials and Construction I, Interior Services I – B.Architecture 2. SMTA5241 Quantitative Techniques, SARA7333 Sustainable Building Practices, Research Methodologies and Building Environment, Climatology and Building Physics, Prethesis, Professional Training – B.Architecture 3. Building Services, construction Project Management, Financial Management, Building Management Studiol Training – M.Architecture New Courses Introduced 1. Public Health Engineering – B.E.Civil Engineering 2. Industry 4.0 – B.E.Civil Engineering 3. SARA5132 Building Energy and Environmental Codes and Standard, SARA6131 Building Performance and Analysis Studiol – B.ARch	Item no.2 – ARCH-MoM-BOS-Dated 01/07/2020 Item no.2 – CIVIL-MoM-BOS-Dated 01/02/2021 Item no.1 – CIVIL-MoM-BOS-Dated 30/06/2020 Item no.2 – ARCH-MoM-BOS-Dated 01/07/2020
Employers, Alumni	More concentration towards communication technologies and languages would improve employability	School of Science and Humanities	Revision of Courses 1. Advanced Photography, Indian Arts, Television Production – B.Sc Visual Communication 2. SPSY1405 Effective Leadership – B.Sc Psychology 3. DataAnalytics, Data Analytics Lab, Cryptography, Mathematical Modeling, Professional	Item no.1 -VISCOM-MoM-BOS-Dated 26/06/2020 Item no.1 -PSYCH-MoM-BOS-Dated 12/06/2020 Item no.1 – MATHS-MoM-BOS-Dated 26/06/2020
Faculty	Teaching animation and virtual reality is mandatory			



Alumni, Students			Communication – Mathematics 4. American Literature, Indian Writing in English, New Literatures in English - English New Courses Introduced 1. Matrices and Linear Algebra, Applied Statistics, Operations Research – Mathematics 2. Body Language and Communication – B.Sc. English 3. SHSA7002 Research Writing, ICT in Language Teaching, Employability Skills – M.Sc. English	Item no.1 – ENGLISH- MoM-BOS-Dated 20/04/2021 Item no.1 – MATHS- MoM- BOS-Dated 26/06/2020 Item no.1 – ENGLISH- MoM-BOS-Dated 20/04/2021 Item no.2 – ENGLISH- MoM-BOS-Dated 20/04/2021
Alumni, Experts	Online degree courses can help learners to upskill	School of Management Studies	New course introduced All courses for MBA, BBA, BCOM for Online Degree Programmes were introduced 10 UGC NSQF skill based programs were imparted through blended learning	Item no.1 – MBA- MoM- BOS-Dated 20/06/2020
Employers, Faculty	Multidisciplinary programs to reach to larger learners in the society	School of Law	New Courses Introduced All courses in B.Com LLB, BBA LLB and LLB Programs All courses under B.Pharm were introduced	58 th BOM- Item no.58.2
Faculty	More of Preclinical practice courses to be revised	School of Pharmacy	Revision of Courses 1. Conservative Dentistry and Endodontics, Orthodontics, Microbiology in Orthodontics - MDS	59 th BOM
Alumni, Faculty and Experts	Experts suggested that the institution to transit towards usage of renewable energy	Others	Courses on Green Technology, Smart materials for Industries are introduced.	Item no. AC:21-22 - 18:06 Item no.59.6- BOM

	sources to become more energy sustainable. Experts suggested the inclusion of Universal Human Values as per AICTE requirements. Experts suggested start of online degree courses as per AICTE norms, as the institution has secured top 50 ATAL ranking consecutively for the last 3 years The alumni appreciated the Semester Abroad Programmes(SAP) adding value to student learning experiences. They raised concern on the continuation of SAP due to the travel restrictions in the coming years		Course contents on Medical Robotics and wearable systems for healthcare were modified Online Degree programs were started B.Com., B.Sc., M.B.A., M.A. English, M.Sc. Mathematics SAP programmes and internships were carried out through virtual mode. • Department of Mechatronics – 28 Inbound students from Ethiopia • Department of Mathematics – 28 outbound students to University of Malaysia, 2 inbound students from Daifodils university of Bangladesh Department of MBA – 42 outbound students to University of Brazil	Item no.59.5.10-BOM Item no. 59.4.1 - BOM Item no. 59.5 - BOM
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