



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

ACTION TAKEN REPORT STAKEHOLDER FEEDBACK

2019-2020



INTERNAL QUALITY ASSURANCE CELL

Action Taken / Curriculum updates based on the Stakeholder Feedback
Academic Year 2019-2020

Stakeholder	Feedback	Name of the School/ Department	Action Taken/Updates	Proof of Record
Students, Alumni	Courses on Datascience, AI, AR and VR would be future of the industry	School of Computing	New Courses Introduced 1. All courses for the programs in B.E. Computer Science and Engineering with specialization in Artificial Intelligence, Data Science and Internet of things 2. Cyber Physical System – B.E. Computer Science and Engineering 3. SCSA3019 Augmented and Virtual Reality, SITA3011 Block Chain Technologies, SCSA1706 Cyber Digital Twin - B.Tech Information Technology 4. All courses of B.Sc. AI were introduced	Item no.1- CSE- MoM- BOS- Dated 29/06/2020 Item no.5- CSE- MoM- BOS- Dated 29/06/2020 Item no.2- IT- MoM- BOS- Dated 14/12/2020 Item no.1- CSE- MoM- BOS- Dated 11/11/2019 Item no.1- CSE- MoM- BOS- Dated 11/11/2019
Faculty	Python Programming is the necessary knowledge for AI, ML, Robotics and Datascience.		Revision of courses 1. Society 5.0 – B.E. Computer Science and Engineering 2. Data structures and Data Structures Lab - B.Tech Information Technology 3. Python and Problem solving Techniques Lab, Python Programming – B.E. Computer Science and Engineering	Item no.3- CSE- MoM- BOS- Dated 29/06/2020 Item no.2- IT- MoM- BOS- Dated 14/12/2020 Item no.1- CSE- MoM- BOS- Dated 11/11/2019
Faculty, Students	Extensive exposure to programming and Soft	School of Electrical	New Courses Introduced 1. SEE1617 Computer Aided Electrical	Item no.1- EEE- MoM- BOS-



	computing courses will expand the prospects of placement	and Electronics	Drawing – B.E. Electrical and Electronics Engineering 2. Cryptography and Network Security, Soft Computing Techniques, Artificial Intelligence- B.E. Electronics and Communication Engineering Revision of Courses 1. SEEA1202 DC Machines and Transformer – B.E. Electrical and Electronics Engineering 2. Signals and Systems, SCADA System Application, Digital Signal Processing, Programming in HDL, Microprocessor and Microcontroller – B.E. M.E. Electronics and Communication Engineering	Dated 23/11/2019 Item no.1-4- ECE- MoM- BOS-Dated 30/11/2019 Item no.3- EEE- MoM- BOS-Dated 23/11/2019 Item no.1-4- ECE- MoM- BOS-Dated 30/11/2019
Alumni, Faculty	Thorough Understanding of Industry 4.0 is the requirement of the industry.	School of Mechanical Engineering	New Courses introduced 1. Industry 4.0 – B.E. Mechatronics Engineering 2. SMRA1201 Fundamentals of Automation and Control – B.E. Mechatronics Engineering 3. Mechanics of Fluids – B.E. Mechatronics Engineering 4. Rapid Prototyping, Precision Engineering – B.E. Mechanical Engineering 5. SMEX1022 Fluid Power Systems, Thermal Engineering – B.E. Mechanical Engineering 6. SAEA1201 Fundamentals of	Itemno.1- MECHATRONICS-MoM- BOS-Dated:27/06/2020 Itemno.1- MECHATRONICS-MoM- BOS-Dated:21/12/2019 Itemno.1- MECHATRONICS-MoM- BOS-Dated:08/06/2019 Itemno.1-MECH-MoM- BOS-Dated:30/11/2019 Itemno.2-MECH-MoM- BOS-Dated:27/06/2020 Itemno.2-AERO-MoM-BOS-
Employers, Students	More emphasis on Prototyping and courses on mechanical fundamentals improve the employability of students			



			Aeronautical Engineering, SAEAI302 Aircraft Production Techniques – B.E Aeronautical Engineering 7. SAEAI401 Aircraft Propulsion, SAEAI403 Low Speed Aerodynamics – B.E Aeronautical Engineering Revision of Courses 1. Design Manufacture and Assembly, Industrial Safety Engineering – B.E. Mechanical Engineering	Dated:14/12/2019 Itemno.1-AERO-MoM-BOS- Dated:15/06/2019 Itemno.4-MECH-MoM- BOS-Dated:27/06/2020
Employers, Alumni	Courses on pathology, Thermodynamics are the future for BioEngineering Programs	School of Bio and Chemical Engineering	Revision of Courses 1.SBIA1303 Proteomics, SBIA1401 Structural Biology – Bioinformatics 2.Cell Biology and Genetics, Microbiology and Pathology – BioMedical 3.SCHAI302- Chemical Engineering and Thermodynamics – B.Tech Chemical Engineering Introduction of New Courses 1. Industry 4.0 – BioMedical Engineering	Itemno.1-BIOINFO-MoM- BOS-Dated:14/06/2019 Itemno.2-BIOMED-MoM- BOS-Dated:03/06/2019 Itemno.1-CHEM-MoM- BOS-Dated:17/10/2019 Itemno.3-BIOMED-MoM- BOS-Dated:03/06/2019 Itemno.1-CIVIL-MoM-BOS- Dated:03/04/2019
Alumni, Faculty	Introduction of courses on Disaster management as per AICTE	School of Building and Environment	Revision of Courses 1. Surveying II, Remote Sensing and GIS- B.E. Civil Engineering 2. Applied Mathematics, Society Culture and Environment, History of Architecture, Model making workshop, Design Communication – B.Arch 3. Society Culture and Environment, Design Management and Interiors- B.DEs New Course Introduced 1. Disaster Management - B.E. Civil	Itemno.1-ARCH-MoM-BOS- Dated:30/06/2019 Itemno.1-DESIGN-MoM- BOS-Dated:02/07/2019 Itemno.1-CIVIL-MoM-BOS-

Employers, Alumni	Courses on Film studies and Real-time design needs to be included	School of Science and Humanities	Engineering Revision of Courses 1. Fashion Illustration II, III, Desing Women's Wear, Men's Wear, Digital Presentation Techniques – B.Sc. Fashion Design 2. Traditional Indian Costumes, Pattern Making and Draping, Garment construction II – B.Sc. Fashion Design 3. Socio Psychology-Viscom 4. Mathematical Physics, Atomic Physics, Mathematical Physics Lab- B.Sc. Physics 5. Solid State Physics, Microprocessor, MicroController and Embedded Systems – MSc Physics New Courses Introduced 1. Digital Photography, Introduction to sound Design, Bridge Courses – Viscom 2. Introduction to Research Methodology, Energy Materials, Intellectual Property Law, Thin Film Technology, High Pressure Physics, General Physics Lab- M.Sc Physics Skill Development in Fishery Food Products Technology All courses were introduced in the program B.Sc. Nursing	Itemno.1-FASHION-MoM-BOS-Dated:03/04/2019 Itemno.1-FASHION-MoM-BOS-Dated:08/07/2019 Item no.1 - VISCOM-MoM-BOS-Dated 22/04/2019 Item no.1,2- PHYSICS-MoM-BOS-Dated 15/04/2019 Item no.3- PHYSICS-MoM-BOS-Dated 15/04/2019 Item no.6,7- VISCOM-MoM-BOS-Dated 22/04/2019 Item no.4,5- PHYSICS-MoM-BOS-Dated 15/04/2019
Experts	Government funded certification courses can be conducted	Ocean Research	57 th BOM: 57.2	
Alumni, Faculty Experts	Multidisciplinary programs to be introduced	School of Nursing	57 th BOM	



Faculty	There is a need of sustainability studies in the market	School of Management Studies	New courses Introduced Waste management Entrepreneurship - MBA	and Social	Item no2- MBA-MoM-BOS- Dated 15/04/2019
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