



SATHYABAMA

**INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade "A" by NAAC**

ACTION TAKEN REPORT STAKEHOLDER FEEDBACK

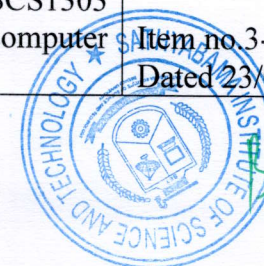
2017-2018



INTERNAL QUALITY ASSURANCE CELL

**Action Taken / Curriculum updates based on the Stakeholder Feedback
Academic Year 2017-2018**

Stakeholder	Feedback	Name of the School/ Department	Action Taken/Updates	Proof of Record
Alumni, Employers	Courses on Mobile applications, Big Data are necessary for placements and research	School of Computing	<p>New Courses Introduced</p> <ol style="list-style-type: none"> SIT1619 Internet of Things, SCS1619 Python Programming, SCS1620 User Interface Technologies, SCS1621 R Programming – B.E. Computer Science and Engineering All courses of B.Sc Computer Science Introduced SIT1301 Data mining and Data Warehousing, SIT1303 Data Analytics, SIT1304 Cloud Computing, SIT1619 Internet of Things, SCS1619 R programming, SIT4302 Cloud Computing Lab – B.Tech Information Technology SCS1301 Compiler Design, SCS1304 System Software – B.Tech Information Technology <p>Revision of Courses</p> <ol style="list-style-type: none"> SCS1309 Network Security, SCS1303 Compiler Design– B.E. Computer Science and Engineering 	<p>Item no.1,2- CSE-MoM-BOS-Dated 23/05/2017</p> <p>Item no.3- CSE-MoM-BOS-Dated 23/05/2017</p> <p>Item no.1-3- CSE-MoM-BOS-Dated 23/05/2017</p> <p>Item no.2-IT -MoM-BOS-Dated 23/05/2017</p>
Faculty	Hands on programming skills can be given more emphasis in		<ol style="list-style-type: none"> SCS1309 Network Security, SCS1303 Compiler Design– B.E. Computer Science and Engineering 	<p>Item no.3- CSE-MoM-BOS-Dated 23/05/2017</p>



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	the curriculum		<ol style="list-style-type: none"> 2. SCSX1026 Cryptography and Network Security, SIT1302 Internet Programming, SIT4301 Internet Programming Lab- B.Tech Information Technology 3. SCS1301 Operating system, SCSX1023 Computer Graphics and Multimedia Systems. SCSX104 Software Engineering, SCSX1018 Database System, SCSX1017 Data Communication and Computer Networks – B.E. Computer Science and Engineering 	<p>Item no.1-IT -MoM-BOS- Dated 23/05/2017</p> <p>Item no.3- CSE-MoM-BOS- Dated 23/05/2017</p>
Students, Faculty	Courses on building realtime circuitry is necessary	School of Electrical and Electronics	<p>New Courses Introduced</p> <ol style="list-style-type: none"> 1. SEE3013 Energy Storage Systems – B.E Electrical and Electronics Engineering 2. SEE1614 Industrial Instrumentation and Automation – B.E Electrical and Electronics Engineering 3. Testing and Commissioning of Electrical Equipment - - B.E Electrical and Electronics Engineering 4. RTOS Programming, Big Data Technologies, Cloud Computing, Advanced Digital Image Processing, RTOS programming Lab – ME Electronics 5. RF and Microwave Engineering, Data Communication and Network, Satellite Communication – B.E. Electronics and Communication 	<p>Item no.1 - EEE-MoM-BOS- Dated 21/05/2018</p> <p>Item no.1 - EEE-MoM-BOS- Dated 04/05/2018</p> <p>Item no.1 - EEE-MoM-BOS- Dated 16/11/2018</p> <p>Item no.1 - ECE-MoM-BOS- Dated 21/05/2018</p> <p>Item no.3 - ECE-MoM-BOS- Dated 21/05/2018</p>



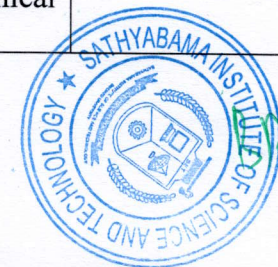
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			<p>Engineering</p> <p>6. Embedded OS, Modeling for Embedded Systems, Wireless Sensor Networks for IoT, Robotics and Computer Vision – M.E. Electronics</p> <p>Revision of Courses</p> <ol style="list-style-type: none"> 1. Optical Communication – B.E. Electronics and Communication Engineering 2. MEMS and its Applications, Analog Integrated circuit – B.E. Electronics and Communication Engineering 3. Embedded OS, Modeling for Embedded Systems, Wireless Sensor Networks for IoT, Robotics and Computer Vision – M.E. Electronics 	<p>Item no.3,4- ECE-MoM-BOS-Dated 05/04/2017</p> <p>Item no.2 - ECE-MoM-BOS-Dated 21/05/2018</p> <p>Item no.3,4- ECE-MoM-BOS-Dated 03/10/2017</p> <p>Item no.3,4- ECE-MoM-BOS-Dated 03/10/2017</p>
Alumni	Knowledge on various types of engineering should be included to understand the core of Engineering	School of Mechanical Engineering	<p>New Courses Introduced</p> <ol style="list-style-type: none"> 1. Automotive Petrol Engines, Automotive Diesel Engines – B.E. Automobile Engineering 2. SME1617 Non-Conventional Energy Systems, SME1620 Theory of Elasticity – B.E. Mechanical Engineering 3. SAEX1037 Aircraft Navigation Guidance and Control, SAEX1021 Rockets and Missiles – B.E. Aeronautical Engineering 4. SAEX4001 Aero CAD lab I, SAEX4004 Aero Modeling Lab, SAE1301 Aerodynamics II - B.E. Aeronautical Engineering 	<p>Item no.1-AUTO-MoM-BOS-Dated 29/10/2018</p> <p>Item no.1-MECH-MoM-BOS-Dated 10/11/2017</p> <p>Item no.1-AERO-MoM-BOS-Dated 10/11/2017</p> <p>Item no.1-AERO-MoM-BOS-Dated 22/06/2017</p>



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			<p>Revision of Courses</p> <ol style="list-style-type: none"> 1. Fuels and Lubricants, Vehicle Dynamics, Heat and Mass Transfer - B.E. Automobile Engineering 2. SME1304 Power Plant Engineering- B.E. Mechanical Engineering 	<p>Item no.2-AUTO-MoM-BOS-Dated 29/10/2018</p> <p>Item no.1-MECH-MoM-BOS-Dated 10/11/2017</p>
Employers, Alumni	Knowledge on chemical processes and Environmental impacts are needed	School of Bio and Chemical Engineering	<p>Revision of Courses</p> <ol style="list-style-type: none"> 1. Introduction to Quantum Chemistry, Biomolecular Interaction, Biological Sequence Analysis - B.Tech Bioinformatics 2. Molecular Immunology and Immunoinformatics, Phylogenetic Analysis- B.Tech Bioinformatics 3. SCH1402 Optimisation of Chemical Process - B.E.Chemical Engineering <p>New Courses Introduced</p> <ol style="list-style-type: none"> 1. SCH1304 Chemical Process Technology, Mass Transfer II - - B.E.Chemical Engineering 2. SCH1616 Environmental Impact Assessment, SCH4059 MATLAB- B.E.Chemical Engineering 3. Professional Training - II - B.E.Chemical Engineering 4. SCH1301 Computational Methods in Chemical Engineering, SCH1306 Process Engineering - B.E.Chemical Engineering 	<p>Item no.1,2-BIOINFO-MoM-BOS-Dated 26/04/2017</p> <p>Item no.1-BIOINFO-MoM-BOS-Dated 20/11/2017</p> <p>Item no.1-CHEM-MoM-BOS-Dated 21/05/2018</p> <p>Item no.1-CHEM-MoM-BOS-Dated 23/06/2017</p> <p>Item no.2,3-CHEM-MoM-BOS-Dated 21/05/2018</p> <p>Item no.1-CHEM-MoM-BOS-Dated 07/02/2018</p> <p>Item no.1-CHEM-MoM-BOS-Dated 23/06/2017</p>



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Alumni, Faculty	Hands on Experience will inculcate confidence and provoke entrepreneurship skills	School of Building and Environment	New Courses Introduced <ol style="list-style-type: none"> 1. Structural Optimisation – B.E. Civil Engineering 2. Professional Training II – B.E. Civil Engineering 	Item no.1-CIVIL-MoM-BOS-Dated 22/11/2017 Item no.1-CIVIL-MoM-BOS-Dated 17/04/2017
Employers, Alumni	As an institution it is important to include multidisciplinary education	School of Science and Humanities	New Courses Introduced <ol style="list-style-type: none"> 1. All courses were introduced for the program B.Sc.Psychology 2. All Courses of M.Sc Viscom program is introduced 3. All Courses of B.Sc. Physics program is introduced Revision of Courses <ol style="list-style-type: none"> 1. Engineering Mathematics I, Engineering Mathematics II, Discrete Mathematics and Numerical Methods, Engineering Mathematics IV, Probability and Statistics – Maths 2. MA English and BA English Literature courses 3. SPH5203 Spectroscopy, SPH5204 Communication Electronics – M.Sc Physics 	52 nd BOM Item no.1-VISCOM-MoM-BOS-Dated 18/04/2017 Item no.1-PHYSICS-MoM-BOS-Dated 05/04/2017 Item no.1-MATHS-MoM-BOS-Dated 21/05/2018 Item no.1-English-MoM-BOS-Dated 21/06/2017, 07/04/2017 Item no.1-PHYSICS-MoM-BOS-Dated 05/04/2017



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