

SATHYABAMA UNIVERSITY
JEPPIAAR NAGAR, CHENNAI 600119

MINUTES OF THE MEETING OF THE ELEVENTH ACADEMIC COUNCIL HELD ON 11th January, 2017

The Academic council meeting for the current academic year 2016-17 was held on 11th January, 2017 at 10.00am with Dr.K.V. Narayanan, Vice Chancellor as the Chairperson.

The Vice Chancellor welcomed the members of the Academic council to the first meeting this academic year. Following this the council took up the agenda items for discussion.

The 11TH Academic council meeting started at 10.00am. The Registrar welcomed all the External and Internal members of the Academic council to the first meeting this calendar year. A minute of silence was observed as a mark of respect for the departed soul of our Founder Chancellor Col.Dr.Jep piaar. The Vice Chancellor greeted everyone present and opened the floor for discussion on various points on the Agenda.

AC:16-17 - 11:01	Confirmation of minutes of meeting held on 7 th September 2016.
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The minutes of the previous meeting was circulated to all the members. As no comments were received, the minutes are placed for confirmation.

AC:16-17 - 11:02	To accept the Action Taken Report on the minutes of meeting of the Academic council held on 7 th September 2016.
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The Action Taken Report on the minutes of the meeting of the Academic council held on 7th September 2016 was ratified and accepted.

AC:16-17 - 11:03	English language Lab
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It was unanimously accepted by the members that a English language lab be setup exclusively catering to the benefit all students, keeping in mind the placement prospects.

AC:16-17 - 11:04	MATLAB Laboratory
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The Vice Chancellor proposed that an application oriented unit (MATLAB basics) be incorporated in Engineering Mathematics for all UG courses, the material and Learning support which would be extended by the school of Electronics and this would ensure that it bridges the gap of students who find Mathematics difficult to learn. The rollout process was explained by Dr.Nanditha, Dean School of Electronics and the move was widely appreciated by Dr.Govindaraj as this would help the students to meet out the industrial needs of the students. However Dr.Umamaheswari felt that a separate syllabus be framed for Bio based courses. The Vice Chancellor clarified that our curriculum was designed separately and would remain unique for Biotechnology, Biomedical engineering and Bioinformatic courses.



AC:16-17 - 11:05	Introduction of more Case studies for MBA students
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The Vice Chancellor suggested that novel case studies of recent developments need to be introduced for management studies. The suggestion was carried forward by Dr.Sivasubramaniam who clarified that some of the current affairs like Budget analysis, GST prelude were already been given for students as extempore topics. To add to this Mr.Reji Thomas wanted more focus on startups and mainly on failed startups as they provide much insight into the reasons for failure. The item was ratified and accepted.

AC:16-17 - 11:06	Introduction of new UG and PG courses in Arts & Science
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The Vice Chancellor put forth the Market demand that new courses be introduced in the University, based on which the following courses were proposed;

B.Sc. (Biotechnology, Biochemistry, Microbiology, Electronics, Computer science, Visual communication, Mathematics, Physics, Chemistry, English, Social work) and BBA.

Internal members suggested courses like B.Sc. Data Science (Dr. Mathivannan), B.Sc. Life Sciences (Dr.Valli Nachiyar), B.Sc. Avionics (Mr.Alexander), B.Sc. Medical Electronics (Dr. Alex Anand), BA Journalism (Dr.Nazini) and BA Tamil literature (Dr.Sasiprabha).

External members suggested courses like B.Sc. Animation (Dr. Sahayaraj), B.Sc. Medical Lab Technician and Medical Instrumentation (Dr. Umamaheswari) and B.Sc. Applied Sciences (Dr.Govindaraj).

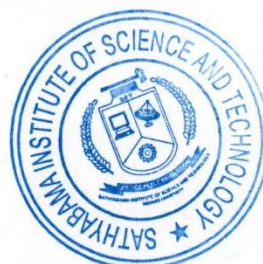
Accepting the suggestions made by both the internal and external members, the Vice Chancellor clarified that the courses can be offered, based on student demand and a policy would be framed for Integrated M.Sc. courses also.

The Dean- school of computing presented the list of new programmes to be introduced in the forth coming academic year 2017-18 with all the necessary documents such as list of courses for each programme, syllabus for all the courses with reference details.

The recommendations from the Board of Studies – school of computing for the above is presented in front of the board members. Also revision in a existing syllabus is presented

- B.Sc Computer Science
- M.E Embedded and IoT
- SCSX1061-Python Programming - Revision

The recommendations from the Board of Studies – school of computing for the above is presented in front of the board members. The board moved the approval for the above new programmes.



The Dean- school of Science and Humanities presented the introduction of new programme on M.Sc – Chemistry in the academic year 2017-18 with all the necessary documents such as list of courses for each programme, syllabus for all the courses with reference details.

The Deans of the School of Electrical and Electronics has presented the BoS recommendation for the revision of syllabus in the existing courses in the academic year 2017-18.

School of Electrical and Electronics –
B.E -EEE, B.E -ECE, B.E – EIE M.E - VLSI, M.E – New Programme
SEC1316 CMOS VLSI design - syllabus revision

The Board members passed the approval for the same. The list of approved new courses is attached in the Annexure.

AC:16-17 - 11:07	Methodology of converting CGPA into marks
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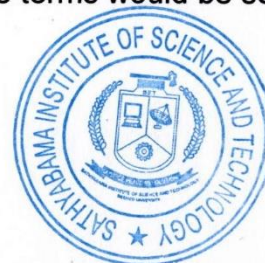
The Vice Chancellor pressed the need for regulating the conversion of CGPA to percentage norms for the benefit of the students. The existing conversion formula ($CGPA \times 10 - 7.5$) had to be amended as ($CGPA \times 10$) as it is being followed by majority of the Public and Private Universities in India. The external members Dr.Umamaheswari, Dr. Sahayaraj and Dr. Govindaraj were for the motion and they also suggested that both CGPA and percentage be given in the mark sheet. The Vice Chancellor clarified the item stating the need for conversion using the above formula. It was also informed that the percentage conversion would be ($CGPA \times 10$) and the same would be notified in the university website.

AC:16-17 - 11:08	Introduction of NCC, Social work courses as electives
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The Vice Chancellor requested that NCC and other social work courses be introduced as electives and due credits be given to them. The council took note of this and appreciated the initiative.

AC:16-17 - 11:09	Semester abroad and Foreign Exchange Programme
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The Vice Chancellor requested the Pro-Chancellor to elaborate on the various initiatives taken by the university. The Pro-Chancellor proposed to initiate the twinning MBA programme with University of Hull, UK. The programme was explained by Dr. Sivasubramaniam as the first year would be done in our university followed by the second year abroad. Finally the student would receive the degree from our university. To this Dr. Umamaheswari added that it would be better if the first and last semesters be done in the parent university while the second and third semesters be done abroad. Also Dr. Sahayaraj requested precautions be taken on universities abroad. The item was ratified that with further discussions with the host institution the terms would be set.



The Pro-Chancellor also gave the road-map of staff exchange programmes which was widely appreciated by the council members.

It was ratified that the university would engage in tie-up with Industries for licensing the patents. Also every school would have a centre of Excellence to promote research. It was unanimously agreed that the number of students would be increased for the semester abroad programme in due course.

AC:16-17 - 11:10	Proposed National and International conferences in various schools
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The Vice Chancellor emphasized the importance for scientific deliberations and to improvise on this aspect. It was decided unanimously , that every school conducts atleast one International conference and two National conferences in a year. It was noted by the council.

AC:16-17 - 11:11	Introduction of Sandwich courses
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To keep the university at par with other professional universities, the Vice Chancellor proposed the introduction of sandwich courses which was widely welcome by the council. The item was ratified.

AC:16-17 - 11:12	Suggestions given by NAAC Peer Team to various Faculties
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The Vice Chancellor apprised the council of the suggestions made by the NAAC Peer team. It was noted by the council and suggested to carry out their suggestions.

AC:16-17 - 11:13	Any other item
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The initiatives taken by the university was highly appreciated by Dr.Sahayaraj, who added that the university is in the path of getting International recognition and gave full credit to the Management for all its efforts.

To add to the existing proposals of new courses, Dr. Govindaraj suggested that M.Sc. Engineering course could also be imparted by the university.

The Vice Chancellor acknowledged the views and added that integrated BA.,B.Ed and B.Sc.,B.Ed as approved by NCTE was also part of the universities future vision.

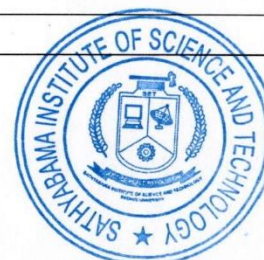
Dean- Academics has sought the approval of the list of 21 programs in which courses on CBCS is to be introduced in the academic year 2017-18. (List attached in annexure)

As there was no item for discussion the meeting ended with vote of thanks from the Registrar who also formally invited the council members for the Inauguration of the Founder Chancellor's Memorial on 17th January 2017.



Annexure : List of Programs in which Courses revision is approved

Name of Programme	Programme Code	Programme Specialization
B.E	18	Electronics and Instrumentation Engineering
B.E	13	Electronics and Communications Engineering
M. Tech	82	VLSI Design
M.E	88	Embedded Systems
B.E	14	Electronics and Electronics Engineering
B.E	25	Electronics and Telecommunication Engineering
B.E	35	Applied Electronics
B.E	15	Mechanical engineering
M.E	39	Thermal engineering
B.E	86	Automobile engineering
B.E	16	Mechanical & Production
M.E	32	Computer aided design
B.E	26	Aeronautical Engineering
B.Arch	21	Architecture
B.Tech	23	Biotechnology
M.Tech	81	Biotechnology
B.Sc	77	Biotechnology
B.Sc	30	Microbiology
B.Sc	07	Biochemistry
B.E	11	Computer Science and Engineering
M.E	31	Computer Science and Engineering
<u>B.Sc</u>	29	Computer Science and Engineering
B.Tech	12	Information Technology
B.E	15	Mechanical engineering
M.E	39	Thermal engineering
B.E	86	Automobile engineering
B.E	16	Mechanical & Production
M.E	32	Computer aided design
B.E	26	Aeronautical Engineering



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B.E	20	Civil Engineering
M.E	38	Structural Engineering
B.Tech	19	Chemical Engineering
M.E. (Part Time)	43	Computer Science and Engineering
B.E.-(Part Time)	45	Mechanical Engineering
M.E. (Part Time)	46	Computer Aided Design
M.Tech.(Part Time)	47	VLSI Design
M.E. (Part Time)	50	Structural Engineering
M.E. (Part Time)	53	Applied Electronics
M.E. (Part Time)	54	Power Electronics and Industrial Drives
B.E.-(Part Time)	45	Electronics and Communication Engineering
B.E.-(Part Time)	45	Electrical and Electronics Engineering
B.E.-(Part Time)	45	Civil Engineering
B.E	20	Civil Engineering
M.E	38	Structural Engineering
B.E	11	Computer Science and Engineering
M.E	31	Electronics and Telecommunication Engineering
<u>B.Sc</u>	29	Computer Science and Engineering
B.Tech	12	Information Technology
B.Tech	23	Biotechnology
M.Tech	81	Biotechnology
B.Sc	77	Biotechnology
B.Sc	30	Microbiology
B.Sc	07	Biochemistry
B.E	13	Electronics and Communications Engineering
M.E	4	Embedded and IOT
M.E	88	Embedded Systems
M.Tech	108	VLSI Design
B.E	14	Electronics and Electronics Engineering
B.E	18	Electronics and Instrumentation Engineering
B.E	25	Electronics and Telecommunication Engineering
B.E	35	Applied Electronics

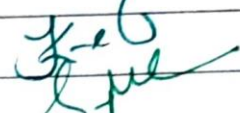
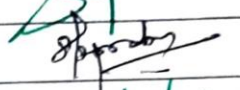
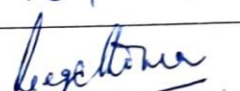
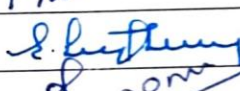
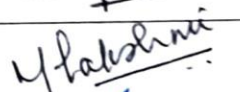
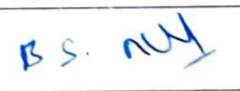
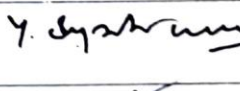
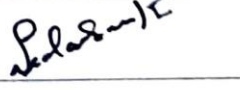
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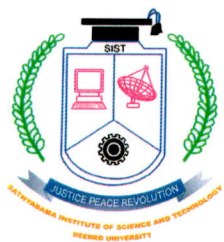
Annexure : List of Programmes in which courses on Choice Based Credit System (CBCS) has been introduced in the academic year 2017-18

Name of programme adopting CBCS	Programme Specialization
ME	Embedded Systems
ME	Applied Electronics
BE	Electronics And Communication Engineering
BE	Electronics and Telecommunication Engineering
BE	Electrical And Electronics Engineering
BE	Electronics And Instrumentation Engineering
Mtech	Vlsi Design
ME	Embedded And Iot
BE	CSE
BTech	IT
MSc	Physics
BE	Mechanical Engineering
BSc	Chemistry
MSc	Chemistry
BE	Mechanical & Production Engineering
BE	Civil Engineering
ME	Structural Engineering
BE	Bioinformatics
BSc	Physics
BE	Automobile Engineering
BArch	Architecture

Member's Present:

S.No.	Name	Designation	Signature
1.	Dr. K.V. Narayanan	Vice Chancellor – Chairman	
2.	Dr. T. Sasipraba	Pro Vice Chancellor	
3.	Prof. Igni Sebasthi Prabu	Controller of Examinations	
4.	Dr. B. Sheela Rani	Director - Research	
5.	Dr. R. Govindaraj	Scientist E I, CEERI, CSIR, Chennai.	
6.	Er. A. Bose	Structural consultant, HAL.	
7.	Dr. Uma Maheswari	Associate Professor, University of Madras.	
8.	Mr. Regi Thomas	Vice President, KARVY Stock Broking, Chennai.	
9.	Er. Sivasubramanian	Global Leader (SAP), TCS Chennai.	
10.	Dr. E. Logashanmugam	Dean (Staff Affairs)	
11.	Dr. G. Sundari	Dean (Student Affairs)	
12.	Dr. Manimegalai	Dean Sathyabama University Dental College	
13.	Dr. S. Prakash	Dean, School of Mechanical Engineering	
14.	Dr. M. Lakshmi	Dean, School of Computer science Engineering	
15.	Dr. Nanditha	Dean, School of Electrical and Electronics Engineering	
16.	Dr. B. S. Naveen Prasad	Dean, School of Bio and Chemical Engineering	
17.	Dr. Sivasubramaniam	Dean, School of Management studies	
18.	Dr. V. Sivachidambaranathan	Head, Department of Electrical and Electronics Engineering	





SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

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MINUTES OF THE MEETING OF THE THIRTEENTH ACADEMIC COUNCIL HELD ON 18th August, 2018.

The Thirteenth Academic council meeting was held on 18th August, 2018 at 12.00 noon with Dr .S. Sundar Manoharan, Vice Chancellor as the Chairperson.

The Registrar welcomed the members of the Academic council to the first meeting of this academic year. The induction of the new Vice Chancellor was informed by the Registrar and the Vice Chancellor was requested to Chair the meeting. The Vice Chancellor greeted everyone present and opened the floor for discussion on various agenda.

Vice Chancellor also emphasized on the following points in his opening remarks.

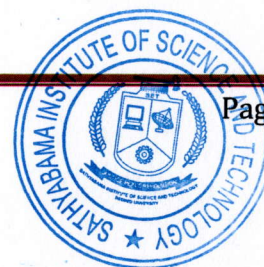
1. Vice Chancellor has informed to the council that the 27th Convocation of was held on 22nd July, 2018 and the Vice Chairman of AICTE was a Chief Guest.
2. The institution was awarded with 4 star overall rating by QS ranking
3. The institution was accredited with NAAC 'A' grade, during the NAAC visit in October 2017.
4. The institution was declared as the nodal agency to conduct 30 ELITE NPTEL courses.
5. 30 MoU's were signed with foreign universities.
6. Faculty Research Review was conducted to show case their Research work as posters by all the faculty members.
7. MEGA CLASSES was introduced into the teaching and learning practices of the institution for Core Courses

Vice Chancellor also insisted on outcome based education, the outcomes should be declared in the nomenclature / format of the course curriculum. Latest references should be included in the prescribed syllabus.

AC:18-19 - 13:01	Confirmation of previous minutes of meeting.
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The minutes of the previous meeting was circulated to all the members. As no comments were received, the minutes are placed for confirmation.


Chairman's Initial



The Vice Chancellor has presented the proposal of introducing Pharmacy programme in the forth coming academic year 2019-20. The proposal is accepted by all the board members and the decision was passed to start the following new programmes under the school of Pharmacy.

- B.Pharm and
- D.Pharm

The board moved the approval for the above new programmes and discussed about the process of curriculum design and implementation for the same which would further be discussed in Board of Management meeting.

AC:17-18 - 13:02	School of Management Studies
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The following programmes were approved by the Board of Management to be launched in the year 2018-2019.

B.Com. Financial Accounting

B.Com. Cost & Management Accounting

Bachelor of Business Administration

Full semester project work was also approved.

The Revised Course objectives and outcomes as per the NBA guidelines were approved.

In addition to the above, no. of courses to be included in the programmes is the suggestion from the members of the council.

AC:18-19 - 13:03	School of Computing
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The following points were approved.

Approval of the syllabus designed by Virtusa on "Software Testing" for third year CSE students.

The Revised Course objectives and outcomes as per the NBA guidelines were approved.

Approved the inclusion of OOPS in the second semester instead of third semester.

The suggestion of programming in Java may be converted into 100 marks theory paper instead of 50/50 for theory and practical was approved by the council.

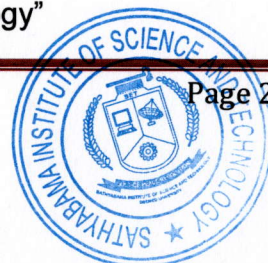
Cloud computing lab for 6th semester CSE students may be changed as Python programming with Machine learning was also approved.

AC:18-19 - 13:04	School of Bio & Chemical Engineering
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The Revised Course objectives and outcomes as per the NBA guidelines were approved.

Approved the change of contents in course paper "Plant Biotechnology"

Chairman's Initial



Approved the following Undergraduate programmes:

1. B.Sc. Biotechnology
2. B.Sc. Microbiology
3. B.Sc. Biochemistry

All the programmes approved were suggested to include no. of courses by the council.

AC:18-19 - 13:05	School of Law
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The following programmes were approved by the Board of Management to be launched in the year 2018-2019.

1. B.B.A. LL.B (Honors)
2. B.A. LL.B (Honors)
3. B.Com. LL.B (Honors)

The electives included to be clearly explained.

AC:18-19 - 13:06	School of Building and Environment
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The Revised Course objectives and outcomes as per the NBA guidelines were approved.

Approved the introduction of written examination as part of Viva Voce examination.

Approved the shifting of building planning and drawing subject to second semester; material testing lab shall be shifted to third semester.

Approved revised syllabus for paper "material testing lab and construction technology"

Approved the revised syllabus for paper "Industrial structures".

AC:18-19 - 13:07	School of Science and Humanities
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The Revised Course objectives and outcomes as per the NBA guidelines were approved.

Approved to choose any of the "SWAYAM NPTEL courses" as course work paper in Ph.D programmes with the approval of DC members.

Approved an "Industrial internship" for a period of 15 to 45 days for M.Sc. Physics students.

Approved the programme of B.Sc. Mathematics and B.Sc. Psychology, it was also suggested to include no. of courses.

Chairman's Initial



Approved to introduce more number of electives papers on Mathematics for B.E./B.Tech. Students.

AC:18-19 - 13:08	School of Mechanical Engineering
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The Revised Course objectives and outcomes as per the NBA guidelines were approved.

Approved the programme of B.E. in Mechatronics and also suggested to include no. of courses.

AC:18-19 - 13:09	Research Centres.
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Approved the Post Graduate Diploma course in skill development in fishery and food products technology.

Approved M.Tech – Bio Pharmaceutical Technology programme and suggested to include no. of courses.

Approved the commencement of Post Graduate programme in M.Sc. Medical Biotechnology and Clinical Research and suggested to include no. of courses.

AC:18-19 - 13:10	School of Electrical and Electronics Engineering
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The Revised Course objectives and outcomes as per the NBA guidelines were approved.

Approved the inclusion of Data Structure content in the Object Oriented Programming.

Approved the shifting of Digital Logic Circuits course from Second Semester to Third Semester.

Approved the inclusion of New Elective courses namely, Cognitive Radios and Cooperative Communication, Soft Computing Techniques, Fractal Imaging, Food Processing Instrumentation, Aircraft Instrumentation and Automobile Instrumentation.

The Deans of the following schools have presented the BoS recommendation of the respective schools for the revision of courses in 2019-20.

School of Bio and Chemical Engineering - Bio Medical, Medical Instrumentation

School of Building and Environment - Architecture

School of Mechanical Engineering – Mechanical , CAD

The list of courses in which suggested revision has been carried out is presented and the approval of the members is sought. The Board members passed the approval for the same. The list of courses approved for revision is attached in the Annexure.

AC:18-19 - 13:11	Miscellaneous Items.
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Chairman's Initial



Approved the R programming, which is the current elective course work for Information Technology students may be converted into Industrial oriented elective (in association with INFOSYS) for both CSE and IT students.

Ratification and Approval for the modified Continuous Assessment Examination Question paper pattern for all the B.E., B.Tech., B.Arch. B.Com., B.A., and B.Sc. Courses. The pattern will be implemented with immediate effect which is as per the mandatory requirement of NBA Accreditation Process.

Dean- Academics has presented the list of programs in which courses on CBCS is introduced in in the academic year 2018-19. (List attached in annexure)

As there was no other item for discussion, the meeting ended with vote of thanks by the Registrar.



Chairman's Initial

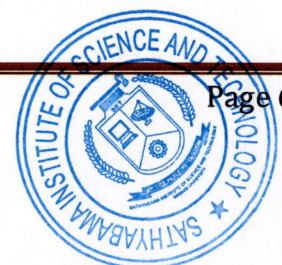
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Annexure : List of Programmes in which Courses are approved for Revision

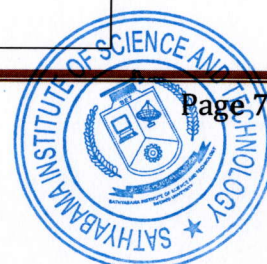
Name of Programme	Programme Code	Programme Specialization
B.TECH	24	Biomedical Engineering
M.TECH	48	Medical Instrumentation
BE	15	Mechanical engineering
ME	32	Computer aided design
B.Arch	21	Architecture
B.Sc	738	Bioinformatics
M.Sc	739	Bioinformatics
BE	20	Civil Engineering
ME	38	Structural Engineering
B.Sc	738	Bioinformatics
M.Sc	739	Bioinformatics
B.Tech	19	Chemical Engineering
BTech	23	Biotechnology
MTech	81	Biotechnology
BSc	77	Biotechnology
BSc	30	Microbiology
BSc	7	Biochemistry
BE	86	Automobile engineering
BE	16	Mechanical & Production

Chairman's Initial



BE	26	Aeronautical Engineering
B.E	11	Computer Science and Engineering
M.E	31	Computer Science and Engineering
B.SC	29	Computer Science
B.TECH	12	Information Technology
BE	20	Civil Engineering
ME	38	Structural Engineering
B.E	11	Computer Science and Engineering
M.E	31	Computer Science and Engineering
B.SC	29	Computer Science
B.TECH	12	Information Technology
BE	15	Mechanical engineering
ME	32	Computer aided design
BE	86	Automobile engineering
BE	16	Mechanical & Production
BE	26	Aeronautical Engineering
B.Sc	8	Environmental Psychology
B.Sc	8	Basic Psychology-1
B.Sc	904	Nursing
B.E	13	Electronics and Communication Engineering
M.E	108	Embedded and IOT
M.TECH	82	VLSI Design

Chairman's Initial



B.E	14	Electrical and Electronics Engineering
M.E.	34	Power Electronics and Industrial Drives
BE	18	Electronics and Instrumentation Engineering
BE	25	Electronics and Telecommunication
B.Sc.	904	Nursing
BE	18	Electronics and Instrumentation Engineering
B.E	13	Electronics and Communication Engineering
M.TECH	82	VLSI Design
M.E	88	Embedded Systems
B.E	14	Electrical and Electronics Engineering
BE	25	Electronics and Telecommunication

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Chairman's Initial



Annexure : List of Programmes in which courses on Choice Based Credit System (CBCS) has been introduced in the academic year 2018-19

Name of programmes adopting CBCS	Programme Specialization
BE	ELECTRONICS AND TELECOMMUNICATION-SCS1102 - FUNDAMENTALS OF PROGRAMMING
BE	ELECTRONICS AND TELECOMMUNICATION-SCS1202 OBJECT ORIENTED PROGRAMMING
BE	ELECTRONICS AND TELECOMMUNICATION-SCS4103 PROGRAMMING IN C & C++ LAB
BE	ELECTRONICS AND TELECOMMUNICATION-SEE1105 ELECTRICAL TECHNOLOGY
BE	ELECTRONICS AND TELECOMMUNICATION-SEE4051 ELECTRICAL ENGINEERING LAB
BE	ELECTRONICS AND TELECOMMUNICATION-
BE	SEE1107 ELECTRICAL CIRCUITS AND NETWORK ANALYSIS
BE	ELECTRONICS AND TELECOMMUNICATION-SEE1202 ELECTROMAGNETIC THEORY
BE	ELECTRONICS AND TELECOMMUNICATION-SEE1203 CONTROL SYSTEMS
BE	ELECTRONICS AND TELECOMMUNICATION-SBA1101 PRINCIPLE OF MANAGEMENT AND PROFESSIONAL ETHICS
BE	ELECTRONICS AND TELECOMMUNICATION-SIC1310 THEORY OF ROBOTICS
BE	ELECTRONICS AND TELECOMMUNICATION-SIC1311 BIOMEDICAL INSTRUMENTATION
BE	AERONAUTICAL ENGINEERING, SME1607 COMPUTATIONAL FLUID DYNAMICS,
BE	AERONAUTICAL ENGINEERING, SAE1608 HELICOPTER AERODYNAMICS
BE	AERONAUTICAL ENGINEERING, SME1609 CRYOGENIC ENGINEERING
BE	AERONAUTICAL ENGINEERING, SAE1611 LAUNCH VEHICLES AND SPACECRAFT PROPULSION
BE	AERONAUTICAL ENGINEERING, SAE1603 AIRFRAME MAINTENANCE AND REPAIR
BE	AERONAUTICAL ENGINEERING, SAE1601 ADVANCED FLIGHT DYNAMICS
BE	AUTOMOBILE- COMPUTER SIMULATION OF I.C. ENGINE (SME1608)
BE	AUTOMOBILE-TRANSPORT MANAGEMENT (SAU1609)
BE	AUTOMOBILE- AUTOMOTIVE SAFETY (SAU1603)

BE	AUTOMOBILE- AUTOMOTIVEAERODYNAMICS (SAU1601)
BE	AUTOMOBILE- INDUSTRIALROBOTICS AND EXPERT SYSTEMS (SPR1606)
BE	AUTOMOBILE- HYBRID ANDELECTRIC VEHICLES (SAU1604)
BE	AUTOMOBILE- ALTERNATEFUELS AND ENERGY SYSTEMS (SME1603)
BE	AUTOMOBILE-FINITE ELEMENT ANALYSIS (SME1308)
BE	SPR1616 RAPIDPROTOTYPING
BE	SME 1602 WIND AND SOLAR ENERGY
BE	SPR1611 NON DESTRUCTIVETESTING TECHNIQUES
BE	SME1617 NON CONVENTIONAL ENERGY SOURCES
BE	SME 1601 ADVANCED ICENGINES
BE	SME 1618 REFRIGERATIONAND AIR-CONDITIONING
BE	SPR1 606 INDUSTRIALROBOTICS AND EXPERT SYSTEMS
BE	SPR1306 PRODUCTIONPLANNING AND CONTROL
BE	SME1 308 FINITE ELEMENTANALYSIS
BE	SPR1616 RAPIDPROTOTYPING
MArch	BUILDING MANAGEMENT-QUANTITATIVE TECHNIQUES SMT 5101
MArch	BUILDING MANAGEMENT-CONTRACT MANAGEMENT SAR 5104
MArch	BUILDING MANAGEMENT -FINANCIAL MANAGEMENT SAR 5202
MArch	BUILDING MANAGEMENT-MAINTENANCE AND REHABILITAION OF STRUCTURES SAR 5601
MArch	BUILDING MANAGEMENT - REAL ESTATE MANAGEMENTSAR 5608

MArch	SUSTAINABLE ARCHITECTURE - GREEN BUILDING RATING SYSTEMSAR 5622
MArch	SUSTAINABLE ARCHITECTURE -RESPONSIBLECOMMUNITY ACTION SAR 5625
MArch	SUSTAINABLE ARCHITECTURE- RESEARCHMETHODOLOGIES IN BUILT ENVIRONMENT SAR 5622
BE	CIVIL ENGINEERING - AIRAND NOISE POLLUTION
BE	CIVIL ENGINEERING -SOLID WASTE MANAGEMENT
BE	CIVIL ENGINEERING -BASICS OF DYNAMICS AND SEISMIC DESIGN
BE	CIVIL ENGINEERING -TRAFFIC ENGINEERING
BE	CIVIL ENGINEERING - HIGHWAY PAVEMENT DESIGN
ME	STRUCTURAL ENGINEERING - INDUSTRIAL STRUCTURES
ME	STRUCTURAL ENGINEERING - PREFABRICATEDSTRUCTURES
ME	STRUCTURAL ENGINEERING - ENERGY EFFICIENTSTRUCTURES
BE	CIVIL ENGINEERING - GROUND WATER ENGINEERING
BE	CIVIL ENGINEERING -QUALITY CONTROL AND SAFETY MANAGEMENT
BE	CIVIL ENGINEERING -SOLID WASTE MANAGEMENT
ME	STRUCTURAL ENGINEERING - ADVANCED CONCRETETECHNOLOGY
ME	STRUCTURAL ENGINEERING - DESIGN OF SUBSTRUCTURES
ME	STRUCTURAL ENGINEERING - PRESTRESSED CONCRETESTRUCTURES
BTech	BIOINFORMATICS - NEXTGENERATION SEQUENCING - SBI1606
BE	ELECTRICAL AND ELECTRONICS ENGINEERING -DIGITAL SIGNAL PROCESSING & ITS APPLICATIONS
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - OBJECT ORIENTEDPROGRAMMING LAB
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - INTEGRATED CIRCUITS LAB
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - MICROPROCESSOR LAB
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - EMBEDDED SYSTEM DESIGNLAB
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - OBJECT ORIENTEDPROGRAMMING
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - APPLIED THERMALENGINEERING
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - PRINCIPLES OF EMBEDDEDSYSTEM
BE	ELECTRICAL AND ELECTRONICS ENGINEERING -PRINCIPLES OF MANAGEMENT AND PROFESSIONAL ETHICS
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - OBJECT ORIENTEDPROGRAMMING LAB
MSc	CHEMISTRY OF NATURALPRODUCTS
BE	CHEMISTRY OF ELECTRONICMATERIALS

BE	CHEMISTRY OF INDUSTRIAL MATERIALS
BE	PHYSICAL CHEMISTRY
BTech	CHEMISTRY OF ELECTRONIC MATERIALS
BTech	PHYSICAL CHEMISTRY
MSc	PHYSICS - INTRODUCTION TO COMPUTATIONAL MATERIAL SCIENCE
MSc	PHYSICS - PHYSICS AND TECHNOLOGY OF THIN FILM
MSc	PHYSICS - CRYSTALLOGRAPHY AND CRYSTAL GROWTH
MSc	PHYSICS - ULTRASONICS
MSc	PHYSICS - RENEWABLE ENERGY SOURCES
BSc	COMBINATORICS
BSc	ASTRONOMY
BSc	FINANCIAL MATHEMATICS
BSc	NUMBER THEORY
BSc	GRAPH THEORY
BE	PROBABILITY AND STATISTICS
BE	NUMBER THEORY AND LINEAR ALGEBRA
BE	GRAPH THEORY
BE	APPLIED STATISTICS
BE	FOUNDATIONS OF MATHEMATICS
BTech	ENGINEERING MATHEMATICS I
BTech	STATISTICS
BTech	ENGINEERING MATHEMATICS II
BSc	(VISCOM) VIDEO EDITING (SVC4066)
MSc	(VISCOM) 3D GRAPHICS AND ANIMATION (SVCE6514)
MBA	(FINANCE) SBA5601 MICRO FINANCE
BTech	BIOINFORMATICS - SYSTEMS BIOLOGY - SBI1401
BTech	BIOINFORMATICS - STRUCTURAL BIOINFORMATICS - SBI1403
BTech	BIOINFORMATICS - PYTHON PROGRAMMING - SBI1605
BTech	BIOMEDICAL ENGINEERING - ENGINEERING MATHEMATICS II
BTech	BIOMEDICAL ENGINEERING - FORENSIC SCIENCE
BTech	BIOMEDICAL ENGINEERING - LASER & FIBER OPTICS

BTech	BIOMEDICAL ENGINEERING - DRUG DELIVERY SYSTEM
BTech	BIOTECHNOLOGY -SBT1610-GMP AND QUALITYCONCEPTS
BTech	BIOTECHNOLOGY -SBT1611-BIOLOGY FOR ENGINEERS
BTech	BIOTECHNOLOGY -SBT1606 - CANCER BIOLOGY
BTech	BIOTECHNOLOGY -SBT1608AQUACULTURE
BTech	BIOTECHNOLOGY -SBT1609INDUSTRIAL SAFETY
BTech	CHEMICAL ENGINEERING -SCH 1605 NOVEL SEPARATION PROCESSES
BTech	CHEMICAL ENGINEERING -SCH 1609 FOOD TECHNOLOGY
BTech	CHEMICAL ENGINEERING -SCH 1616 ENVIRONMENTAL IMPACT ASSESSMENT
BTech	CHEMICAL ENGINEERING -SCH 1612- DRUG AND PHARMACEUTICAL TECHNOLOGY
BTech	CHEMICAL ENGINEERING -SCH 1604 FERTILIZER TECHNOLOGY
BSc	CHEMISTRY OF NATURALPRODUCTS
BSc	FUNDAMENTALS OFSPECTROSCOPY
MSc	SYNTHETIC ORGANICCHEMISTRY
LLB	COMPANY LAW
LLB	INFORMATION TECHNOLOGY LAW
LLB	INTELLECTUAL PROPERTY LAWS
LLB	MEDIA LAW
LLB	BANKING LAWS
BE	EIE - SME1210 SOLID ANDFLUID MECHANICS
BE	EIE - SCS1202 OBJECTORIENTED PROGRAMMING
BE	EIE - SCS4201 OBJECT ORIENTED PROGRAMMING LAB
BE	EIE - SME1208 APPLIEDTHERMAL ENGINEERING

BE	EIE - SBA1101 PRINCIPLES OF MANAGEMENT & PROFESSIONAL ETHICS
BE	ECE- SCS1102 -FUNDAMENTALS OF PROGRAMMING
BE	ECE- SCS1202 - OBJECTORIENTED PROGRAMMING
BE	ECE- SCS4101- PROGRAMMING IN C LAB
BE	ECE- SCS4201- OBJECT ORIENTED PROGRAMMING LAB
BE	ECE- SEE1105- ELECTRICAL TECHNOLOGY
BE	ECE- SEE4051-ELECTRICALENGINEERING LAB
BE	ECE- SEE1107 ELECTRICALCIRCUITS AND NETWORKS
BE	ECE - SEE1202 ELECTROMAGNETIC THEORY
BE	ECE - SEE1203 CONTROLSYSTEMS
BE	ECE - SIC1203MEASUREMENTS ANDINSTRUMENTATION
BE	ECE - SCS1315 COMPUTERARCHITECTURE AND OPERATING SYSTEMS
BE	ECE - SIC1311BIOMEDICAL INSTRUMENTATION
BE	ECE - SIC1310 THEORY OFROBOTICS
Mtech	VLSI DESIGN - HIGHSPEED VLSI DESIGN
Mtech	VLSI DESIGN -LOW POWERVLSI DESIGN
Mtech	VLSI DESIGN -ASICDESIGN
Mtech	VLSI DESIGN - DESIGN OFSEMICONDUCTOR MEMORIES
ME	EMBEDDED AND IOT- GATEWAY DESIGN OF IOT DEVICES
ME	EMBEDDED AND IOT- HIGHPERFORMANCE COMPUTING
ME	EMBEDDED AND IOT- BIGDATA TECHNOLOGIES
ME	EMBEDDED AND IOT-SECURITY IN IOT
ME	EMBEDDED AND IOT- SCADA SYSTEMS
ME	EMBEDDED AND IOT- REALTIME DATA ANALYTICS
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - DIGITAL LOGIC CIRCUITS
BE	ELECTRICAL AND ELECTRONICS ENGINEERING -SOLID AND FLUID MECHANICS
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - ELECTRONIC CIRCUITS
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - ANALOG INTEGRATEDCIRCUITS
BE	ELECTRICAL AND ELECTRONICS ENGINEERING - MEASUREMENTS ANDINSTRUMENTATION
MBA	(FINANCE) SBA5602 SECURITY ANALYSIS ANDPORTFOLIO MANAGEMENT
MBA	(FINANCE) SBA5603ADVANCED FINANCIAL MANAGEMENT
MBA	(MARKETING) SBA5607SERVICES MARKETING
MBA	(MARKETING) SBA5608ADVERTISING MANAGEMENT AND SALES PROMOTION
MBA	(MARKETING) SBA5609 BRAND MANAGEMENT & RETAIL MARKETING
MBA	(HUMAN RESOURCE) SBA5613 HUMAN CAPITAL MANAGEMENT

MBA	(HUMAN RESOURCE) SBA5614 STRATEGIC HUMAN RESOURCE MANAGEMENT
MBA	(HUMAN RESOURCE) SBA5615 HUMAN RESOURCE DEVELOPMENT
MBA	(OPERATIONS) SBA5619SERVICES AND OPERATIONS MANAGEMENT
MBA	(OPERATIONS) SBA5620
	PRODUCT DESIGN
MBA	(OPERATIONS) SBA5621INVENTORY MANAGEMENT
MBA	(SYSTEMS) SCA5624 ITFOR MANAGEMENT
MBA	(SYSTEMS) SCA5625ENTERPRISE RESOURCE PLANNING
MBA	(SYSTEMS) SCA5626 E-COMMERCE
BA LLB	COMPANY LAW
BA LLB	INFORMATION TECHNOLOGY LAW
BA LLB	INTELLECTUAL PROPERTY LAWS
BA LLB	MEDIA LAW
BA LLB	BANKING LAWS
BBA	B.A.LL.B. , (HONS) -COMPANY LAW
BBA	B.A.LL.B. , (HONS) - INFORMATION TECHNOLOGY LAW
BBA	B.A.LL.B. , (HONS) - INTELLECTUAL PROPERTY LAWS
BBA	B.A.LL.B. , (HONS) - MEDIA LAW
BBA	B.A.LL.B. , (HONS) -BANKING LAWS
BCom	B.COM.LL.B. , (HONS) -COMPANY LAW
BCom	B.COM.LL.B. , (HONS) -INFORMATION TECHNOLOGY LAW
BCom	B.COM.LL.B. , (HONS) -INTELLECTUAL PROPERTY LAWS
BCom	B.COM.LL.B. , (HONS) -MEDIA LAW
BCom	B.COM.LL.B. , (HONS) -BANKING LAWS
BE	COMPUTER SCIENCEENGINEERING SCS1206 DESIGN AND ANALYSIS OFALGORITHM
BE	COMPUTER SCIENCE &ENGINEERING -SMT1203-DISCRETE MATHEMATICS AND NUMERICAL METHODS

BE	COMPUTER SCIENCE &ENGINEERING -SIT1606-BIGDATA
BE	COMPUTER SCIENCE &ENGINEERING -SCS1608-SOFTWARE QUALITYASSURANCE AND TESTING
BE	COMPUTER SCIENCE &ENGINEERING -SCS1619-PYTHONPROGRAMMING
BE	COMPUTER SCIENCE &ENGINEERING -SCS1613-DISTRIBUTED DATABASE
BE	COMPUTER SCIENCE &ENGINEERING -SIT1610- SOCIAL NETWORK ANALYSIS
BE	COMPUTER SCIENCE &ENGINEERING -SIT1619- INTERNET OF THINGS
BTech	IT- DESIGN AND ANALYSISOF ALGORITHM-SCS1206
BTech	IT-DISCRETE MATHEMATICSAND NUMERICAL METHODS- SMT1203
BTech	IT-BIG DATA-SIT1606
BTech	IT- INTERNET OF THINGS- SIT1619
BTech	IT-PYTHON-SCS1619
BTech	IT- SOCIAL NETWORKANALYSIS-SIT1610
BTech	IT- SOFTWARE QUALITYASSURANCE AND TESTING-
BArch	ARCHITECTURAL JOURNALISM SAR 1601
BArch	BIOMIMICRY SAR 1604
BArch	ARCHITECTURE- INTERIORDESIGN SAR 1605
BArch	ARCHITECTURE - FACILITIES PLANNING SAR 1608
BArch	ARCHITECTURE - ENERGYEFFICIENT ARCHITECTURE SAR 1609
BArch	ARCHITECTURE - CONSTRUCTION SYSTEMS SAR 1610
BArch	ARCHITECTURE - TALL
BArch	BUILDINGS SAR 1613
BArch	ARCHITECTURE - BUILDING
BArch	AUTOMATION SYSTEM SAR
BArch	1615
BArch	ARCHITECTURE - INTERIOR
BArch	DESIGN SAR 1605
BE	ELECTRONICS AND
BE	TELECOMMUNICATION-
BE	SIC1203 MEASUREMENTS AND
BE	INSTRUMENTATION
BE	ELECTRONICS AND
BE	TELECOMMUNICATION-
BE	SEC4057 NETWORKS AND
BE	INSTRUMENTATION LAB

Member's Present:

S.No.	Name	Designation	Signature
	Dr. S. SUNDAR MANOHARAN	Vice Chancellor - Chairman	<i>Sundar</i>
	Dr. T. SASIPRABA	Pro- Vice Chancellor	<i>T. Sasipraba</i>
	Dr. G. KULANTHAIVEL	External Nominee	<i>Kulanthavel</i>
	Dr. R. GOVINDARAJ	External Nominee	<i>Govindaraj</i>
	Er. A. BOSE	External Nominee	<i>A. Bose</i>
	Dr. K. UMAMAHESWARI	External Nominee	<i>U. Maheswari</i>

Chairman's Initial

MS

Dr. B. SHEELA RANI	Director - Research	B. Sheela Rani
Dr. IGNI SEBASTI PRABU	COE	8/2/2023
Dr. E. LOGASHANMUGAM	Director - Administration	E. Logashanmugam
Dr. G. SUNDARI	Dean (Student Affairs)	G. Sundari
DR. S. PRAKASH	DEAN	S. Prakash
DR. BHUVANESHWARI	DEAN	Bhuvaneshwari
DR. B. THAYUMANAVAN	DEAN	B. Thayumanavan
DR. NANDITHA N M	DEAN	Nanditha N M
DR. M. SUNDARESWARE	DEAN	M. Sundareswari
DR. DILSHAD SHAIK	DEAN	Dilshad Shaik
DR. LAKSHMANAN	HOD	Lakshmanan
DR. VIGNESHWARI	HOD	Vigneshwari
DR. RAVI T	HOD	Ravi T
DR. R. SUBHASHINI	HOD	R. Subhashini
DR. V. SIVACHIDAMBARANATHAN	HOD	V. Sivachidambaranathan
DR. V. VIJAYA BASKAR	HOD	V. Vijaya Baskar
DR. K. SUJATHA	HOD	K. Sujatha
DR. ARUN KUMAR G	HOD	Arun Kumar G
DR. V. K. BUPESH RAJA	HOD	V. K. Bupesh Raja
MRS. NAZINI	HOD	Mrs. Nazini
DR. J. KARTHIKEYAN	HOD	J. Karthikeyan
DR. RAVICHANDRAN S	HOD	Ravichandran S
DR. NIRMALA M	HOD	Nirmala M
Dr. A. PALANI	HOD	A. Palani
Dr. R. PADMA PRIYA	FACULTY	R. Padma Priya
Dr. T. SUDHAKAR	FACULTY	T. Sudhakar
Dr. D. PRABHU	FACULTY	D. Prabhu

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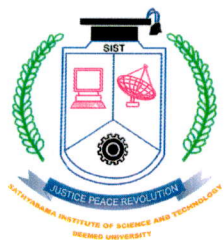


Ms. R. ARUL MALAR	FACULTY	<i>R. Arulmalar</i>
Mr. EBIN HARRISON S	FACULTY	<i>E. Harrison</i>
DR. BHAGYA LAKSHMI	FACULTY	<i>B. Lakshmi</i>
DR. V. RAMESH KUMAR	FACULTY	<i>V. Ramesh Kumar</i>
DR. HEMANANDH J	FACULTY	<i>H. J. Hemanandh</i>
DR. S.S.RAU	REGISTRAR	<i>S. S. Rau</i>

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SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with "A" Grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.

Phone: 044 - 2450 3150 / 51 / 52 / 54 / 55 Fax: 044 - 2450 2344

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MINUTES OF THE MEETING OF THE FOURTEENTH ACADEMIC COUNCIL HELD ON 12th APRIL, 2019.

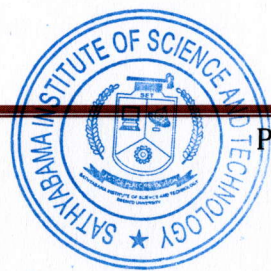
The Fourteenth Academic council meeting was held on 12th April, 2019 at 10.00 am with Dr .S. Sundar Manoharan, Vice Chancellor as the Chairperson.

The Registrar welcomed the members of the Academic council to the second meeting of 2018-2019 academic year. The Vice Chancellor greeted everyone present and opened the floor for discussion on agenda points especially on the revision of Syllabus for B.E. and B.Tech Programmes. This revised syllabus will be implemented from 2019-2020 academic year, especially for the batches that are joining in 2019-2020 academic year onwards

Vice Chancellor also emphasized on the following points in his opening remarks.

1. The revision of syllabus is as per the prescribed guidelines by the AICTE .
2. As per the guidelines, the total credits for the Under Graduate Course should around 162 and for Post Graduate Courses is around 70.
3. The Revised curriculum and syllabus will be labeled as "Regulations 2019".
4. The revision of syllabus is for both Under Graduate and Post Graduate Programmes in Engineering and Technology.
5. Industry 4.0 subject is made compulsory subject for both Under Graduate and Post Graduate Courses with 2 credits.
6. Professional Training is being split in two phases / parts. In the first phase, the student need to undergo internship in an Industry and in the second phase the student need to carry out a Project which is of Inter disciplinary in nature.
7. Project work is given with 15 credit which should be undertaken in two phases, i.e., in sixth semester and in eighth semester. This will enable the student to prepare well for Campus Interview Placement.
8. For Under Graduate courses, the number of theory subjects is restricted to a maximum of 6 and a maximum of 3 laboratories which should not exceed the total credit of four.

Chairman's Initial



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9. For Post Graduate courses, the number of theory subjects is restricted to a maximum of 5 and a maximum of two laboratories which should not exceed the total credit of two.
10. A total of eight subjects including English, Physics, Chemistry and Mathematics is offered in B.E. / B.Tech Courses.
11. The revision of syllabus for Architecture course is not being undertaken as one batch is not completed the course with the existing Regulations, 2015.
12. The Vice Chancellor also mentioned that all the syllabus revisions were approved by the Board of studies of the concerned Departments and approved by the Academic Council.
13. For any further modification in the syllabus after the Academic Council approval, subsequent consent from the Board of Studies is mandatory and thereafter to be placed in Academic Council. Till then, no further changes will be entertained.
14. Apart from the revision of the syllabus, syllabus for the courses that are approved by the Board of Management and will be commenced from 2019-2020 are also being placed.

AC:18-19 - 14:01	Confirmation of previous minutes of meeting.
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The minutes of the 13th Academic Council was circulated to all the members. As no comments were received, the minutes are placed for confirmation.

Dean- Academics has presented the details of 18 programs in which courses are offered on choice based credit system / CBCS courses are revised in the academic year 2019-20. (List attached in annexure)

AC:18-19 -14:02	School of Electrical and Electronics Engineering
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The Academic Council has approved the "Regulation 2019" of School of Electrical and Electronics Engineering with the suggestion to include Courses which inculcates the technical skill competency. The Regulations 2019 approved for

B.E. - Electronics and Communication Engineering
B.E. - Electronics and Telecommunication Engineering
B.E. - Electronics and Instrumentation Engineering
B.E. - Electrical and Electronics Engineering
M.E. - Applied Electronics
M.E. - Embedded Systems and IOT
M.E. - Power Electronics and Industrial Drives
M.Tech. - VLSI Design



AC:18-19 -14:03	School of Computing
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The Academic Council has approved the "Regulation 2019" of School of Computing with the suggestion to interchange the Elective Courses to Core Courses; To map the Course titles in tune with Industrial requirement. The Regulations 2019 approved for

B.E. - Computer Science and Engineering
B.Tech. - Information Technology
M.E. - Computer Science and Engineering

AC:18-19 -14:04	School of Mechanical Engineering
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The Academic Council has approved the "Regulation 2019" of School of Mechanical Engineering without any suggestion / modifications. The Regulations 2019 approved for

B.E. - Mechanical Engineering
B.E. - Aeronautical Engineering
B.E. - Automobile Engineering
B.E. - Mechatronics
M.E. - Computer Aided Design

AC:18-19 -14:05	School of Bio and Chemical Engineering
-----------------	--

The Academic Council has approved the "Regulation 2019" of School of Bio and Chemical Engineering without any suggestion / modifications. The Regulations 2019 approved for

B.Tech. - Biotechnology
B.Tech - Biomedical
B.Tech - Chemical Engineering
M.Tech - Biotechnology
M.Tech - Bio Pharmaceutical Technology
M.Tech - Medical Instrumentation

In addition to the above, the Academic Council has also approved the syllabus for the courses that will be commenced from 2019-2020 academic year.

B.Sc. - Bioinformatics and Data Sciences
M.Sc. - Bioinformatics and Data Sciences

AC:18-19 -14:06	School of Building and Environment
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Chairman's Initial

The Academic Council has approved the "Regulation 2019" of School of Building and Environment without any suggestion / modifications. The Regulations 2019 approved for

B.E. - Civil Engineering

M.E. - Structural Engineering

B.Des. - Bachelor of Design

AC:18-19 -14:07	School of Pharmacy
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The Academic Council has approved the "Regulation 2019" of School of Pharmacy without any suggestion / modifications. It has been informed that the syllabus for the Pharmacy courses should be as per the norms prescribed by Pharmacy Council of India (PCI). The Regulations 2019 approved for

B.Pharm - Bachelor of Pharmacy

D.Pharm. - Diploma in Pharmacy

AC:18-19 -14:08	School of Law
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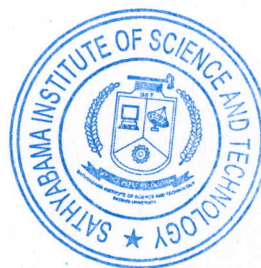
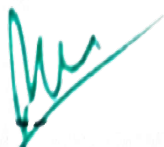
The Academic Council has approved the "Regulation 2019" of School Law without any suggestion / modifications. The Regulations 2019 approved for

L.L.B. - three years course with minimum eligibility requirement of a Bachelor Degree from a recognized University.

In addition to the above, the Academic Council has also approved the syllabus for the courses that will be commenced from 2019-2020 academic year.

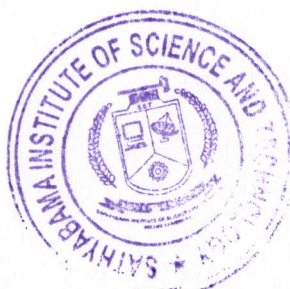
M.Sc. - Material Science

As there was no other item for discussion, the meeting ended with vote of thanks by the Registrar.

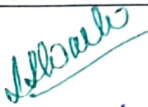
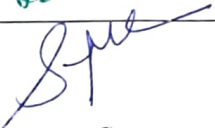
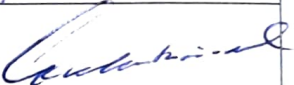


Annexure : List of Programmes in which new CBCS courses are introduced / Revised in the academic year 2019-20

Programme Code	Programme name
24	B.Tech- Biomedical Engineering
44	M.Tech- Medical Instrumentation
14	B.E.- Electrical and Electronics Engineering
34	M.E. - Power Electronics and Industrial Drives
19	B.Tech - Chemical Engineering
18	B.E.- Electronics and Instrumentation Engineering
12	B.TECH-INFORMATION TECHNOLOGY
11	B.E Computer Science & Engineering
31	M.E Computer Science & Engineering
29	BSC.Computer Science
16	BE-Mechatronics Engineering
27	B Sc visual communication
58	Msc visual Communication
22	B.Tech-Bioinformatics
41	M.B.A.
74	B.COM General
92	B.COM-FA
28	B.B.A.

Member's Present:

S.NO.	NAME OF THE MEMBER	DESIGNATION	SIGNATURE
1.	DR. S. SUNDAR MANOHARAN	CHAIRMAN	
2.	DR. SASIPRABA T	MEMBER	
3.	DR. G. KULANTHAIVEL	External Nominee	
4.	DR. R. GOVINDARAJ	External Nominee	
5.	ER. A. BOSE	External Nominee	ABSENT

Chairman's Initial

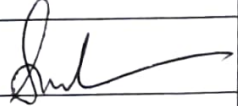
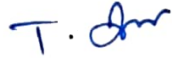
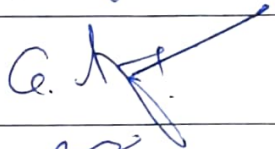


6.	DR. UMA MAHESWARI . K	External Nominee	<i>U. Maheswari</i>
7.	Dr. ARUN KUMAR . G .	External Nominee	<i>A. Kumar</i>
8.	Dr. G.L. SAMUEL	External Nominee	<i>G.L. Samuel</i>
9.	DR. P. SAGAYA RAJ	External Nominee	<i>ABSENT</i>
10.	DR. B. SHEELA RANI	DIRECTOR - RESEARCH	<i>B. Sheela Rani</i>
11.	DR. IGNI SABASTI PRABU	COE	<i>I. Sabasti Prabu</i>
12.	DR. E. LOGASHANMUGAM	DIRECTOR - ADMINISTRATION	<i>E. Logashanmugam</i>
13.	DR. SUNDARI G	DEAN - STUDENT AFFAIRS	<i>S. Sundari G</i>
14.	Dr. SASIKALA MADHU	DEAN	<i>S. Sasikala Madhu</i>
15.	DR. S. PRAKASH	DEAN	<i>S. Prakash</i>
16.	DR. BHUVANESHWARI	DEAN	<i>B. Bhuvaneshwari</i>
17.	DR. B. THAYUMANAVAN	DEAN	<i>B. Thayumanavan</i>
18.	DR. NANDITHA N M	DEAN	<i>N. Nanditha N M</i>
19.	DR. M. SUNDARESWARI	DEAN	<i>M. Sundareswari</i>
20.	DR. DILSHAD SHAIK	DEAN	<i>D. Dilshad Shaik</i>

Chairman's Initial

Chairman's Initial

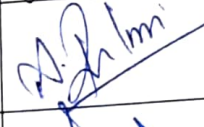
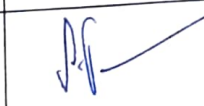
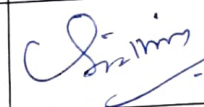
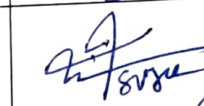
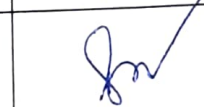
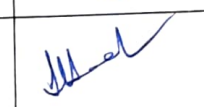


21.	Dr. DR. DEVYANI GANGOPADHYAY	DEAN	
22.	Dr. P. SHANMUGA PANDIAN	DEAN	
23.	DR. LAKSHMANAN	HOD	
24.	DR. VIGNESHWARI	HOD	
25.	DR. R. SUBHASHINI	HOD	
26.	DR.T. RAVI	HOD	
27.	DR. V. SIVACHIDAMBARANATHAN	HOD	
28.	DR. V. VIJAYA BASKAR	HOD	
29.	DR. K. SUJATHA	HOD	
30.	DR. ARUN KUMAR, G	HOD	
31.	DR. V. K. BUPESH RAJA	HOD	
32.	MRS. NAZINI	HOD	
33.	DR. J. KARTHIKEYAN	HOD	
34.	DR. RAVICHANDRAN	HOD	
35.	DR. NIRMALA	HOD	

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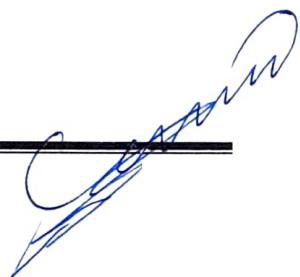


35.	DR. NIRMALA	HOD	
36.	Dr. PALANI A	HOD	
37.	Mr. EBIN HARRISON S	FACULTY	
38.	DR. BHAGYA LAKSHMI	FACULTY	
39.	DR. V. RAMESH KUMAR	FACULTY	
40.	Dr. SATHISH S	FACULTY	
41.	DR. KISHORE SONTI	Asso. Professor	
42.	MR. JABEZ	Asst. Professor	
43.	DR. HEMANANDH J	Asst. Professor	
44.	DR. S.S.RAU	REGISTRAR	

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SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with "A" Grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.

Phone: 044 - 2450 3150 / 51 / 52 / 54 / 55 Fax: 044 - 2450 2344

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MINUTES OF THE MEETING OF THE FIFTEENTH ACADEMIC COUNCIL HELD ON 15th NOVEMBER, 2019.

The Fifteenth Academic council meeting was held on 15th November, 2019 at 10.00 am with Dr .S. Sundar Manoharan, Vice Chancellor as the Chairperson.

The Registrar welcomed the members of the Academic council to the first meeting of 2019-2020 academic year. The Vice Chancellor greeted everyone present and opened the floor for discussion on agenda points. Vice Chancellor also emphasized on the following points in his opening remarks.

1. The commencement of B.Sc. - Nursing Course with the due approvals from concerned Statutory authorities.
2. The total Number of Schools at present in the Deemed to be University is 11, i.e., School of Computer Science; School of Electrical and Electronics; School of Mechanical; School of Bio and Chemical; School of Building and Environment; School of Science and Humanities; School of Management Studies; School of Dental Science; School of Pharmacy; School of Law and School of Nursing.
3. The details of NBA Accreditation for two Programmes of the Deemed to be University..

AC:19-20 - 15:01	Confirmation of previous minutes of meeting.
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The minutes of the 14th Academic Council was circulated to all the members. As no comments were received, the minutes are placed for confirmation.

AC:19-20 -15:02	Submission of Action taken Report
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The Dean - Academics has submitted the details of Action Taken Report of the Resolutions that were resolved in 14th Academic Council meeting and all the members have accepted the same without any comments.

Dean- Academics has presented the list of programs in which courses on CBCS is proposed to be introduced in 65 programs in the academic year 2020-21. (List attached in annexure II)

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Dr. Nanditha has presented the Resolutions that were passed in the Board of Studies and she has sought the approval of the Academic Council for implementation. The proposals submitted before the Committee are

- System programme Course (framed by HCL Technologies) to be included as elective for pre final year students and HCL-Centre of Excellence selected final year students. She has also mentioned that the course delivery is done by the experts from HCL Technologies.
- Inclusion of industry relevant topics in Digital Control and Drive application (6th Semester EEE); Linux Programming in Embedded System (for 6th Semester ECE); Arduino Programming in Micro processor and Micro Controller Laboratory (6th Semester EIE).

The Academic Council approved the above mentioned resolutions submitted by Dr. Nanditha

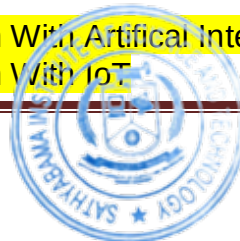
Dr. T. Sasikala Madhu has submitted the following Resolutions that were approved by the Board of Studies and sought the approval of the same from Academic Council for implementation.

- Replacement of Machine Learning in place of Data Analytics for Bachelor of Technology in Information Technology in 6th Semester in 2015 Curriculum.
- Replacement of Discrete Mathematics in place of Applied Numerical methods; Theory of Computation in place of Basic Analog and Digital Communication for Bachelor of Technology in Information Technology in 2019 Regulations.
- Modification of syllabus for Python and Problem solving Techniques Laboratory.
- Change of Syllabus for Fundamentals of Python Programming for School of Bio and Chemical Engineering students - 2019 Regulations.

The Academic Council approved the above and suggested key points to be considered while framing the syllabus for B.Sc. - Computer Science 2020 Regulations.

The Dean- school of computing presented the list of new programmes to be introduced in the forth coming academic year 2020-21 with all the necessary documents such as list of courses for each programme, syllabus for all the courses with reference details. The recommendations from the Board of Studies – school of computing for the above is presented in front of the board members.

- Computer Science and Engineering Specialization With Artificial Intelligence
- Computer Science and Engineering Specialization With IoT



- Computer Science and Engineering Specialization With Data Science

The board moved the approval for the above new programmes.

AC:19-20 -15:05	School of Bio and Chemical Engineering
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Dr. Ramesh Kumar has submitted the following Resolutions that were approved by the Board of Studies and sought the approval of the same from Academic Council for implementation.

- Syllabus for B.Sc. - Biotechnology; Microbiology; Biochemistry; M.Sc. - Biotechnology; Microbiology, Biochemistry as per 2020 Regulations.
- Revised syllabus for B.Sc. - Bio-informatics and Data sciences and M.Sc. - Bio-informatics and Data sciences as per 2019 Regulations.
- Syllabus for B.Sc. - Clinical Nutrition and Dietetics as per 2020 Regulations
- Chemical Engineering Thermodynamics - I and II shifted from 2nd and 3rd Semester to 3rd and 4th Semester respective for Bachelor of Technology in Chemical Engineering, as per 2019 Regulations.

The Academic Council approved the above mentioned resolutions.

Dr.Premkumar / Dept.of Bio Medical has presented the BoS recommendations for introducing two new programmes on allied health Sciences in the year 2020-21, with all necessary documents and sought the approval of the board members.

- B.Sc. Clinical Nutrition & Dietetics
- B.Sc. Medical Laboratory Technology

The board moved the approval for the above new programmes.

AC:19-20 -15:06	School of Nursing
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Dr. Lakshmi, Dean, School of Nursing has informed the Board that the Government of Tamilnadu and Tamilnadu Nurses and Midwives Council have given the permission to commence B.Sc. - Nursing - 4 years Under Graduate Course. with an annual intake of 60 students. She has requested the Academic Council to ratify the syllabus as it is mandatory to follow the syllabus prescribed by Indian Nursing Council.

The Academic Council approved the above mentioned resolutions.

AC:19-20 -15:07	School of Building and Environment
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Dr. Devyani Gangopadhyay submitted the Resolutions that were passed by the Board of Studies and sought the approval of the Academic Council. The Resolutions put forward by the Dean are

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- Approval of syllabus for Bachelor of Design (Interior Design) and Bachelor of Science in Fashion Design.

The Academic Council has approved the syllabus for Bachelor of Design (Interior Design) and Bachelor of Science in Fashion Design and given the suggestions and guidelines for the Syllabus revision for Bachelor of Architecture and Master of Architecture according to Council of Architecture 2017 Regulations.

AC:19-2-15:08	School of Science and Humanities
---------------	----------------------------------

Dr. M. sundareswari submitted the Resolutions that were passed by the Board of Studies and sought the approval of the Academic Council. The Resolutions put forward by the Dean are

- Ratification of M.Sc(Chemistry)
- 2020 Regulations syllabus of B.Sc- Mathematicss, Physics, Chemistry, Visual Communication; M.Sc- Physics, Mathematics and Visual Communication syllabus.

Dr.R.GovindaRaj suggested to include a paper/topic on “Chemometrics” in M.Sc (Chemistry) syllabus.

Dr.K.Uma Maheswari suggested to rename ‘Media Ethics’ Course of B.Sc(Viscom) as ‘Media Law and Ethics’. Further, she has suggested to include topics on data storage/data preservation techniques.

By incorporating the above changes, the Academic Council has approved the Regulations of 2020 for B.Sc- Mathematics, Physics, Chemistry, Visual Communication; M.Sc- Physics, Mathematics and Visual Communication syllabus and ratified the syllabus of M.Sc. - Chemistry.

AC:19-20 -15:08	School of Management Studies
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Dr. Bhuvaneshwari, Dean, School of Management Studies has informed the Committee that All India Council for Technical Education (AICTE) has selected 16 private Institutions across the country to introduce MBA in Waste Management and Social Entrepreneurship. The approval for this course is given by All India Council for Technical Education and the syllabus is framed by Ministry of Human Resource Development. The Board of studies of School of Management Studies.

The Deans of the following schools have presented the BoS recommendation of the respective schools for the introduction of new courses / revision of existing courses in 2020-21.

School of Computing,
School of Electrical and Electronics,
School of Bio and Chemical Engineering,

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School of Building and Environment
School of Mechanical Engineering
School of Science and Humanities
School of Pharmacy for D.Pharm

The list of new courses recommended by BoS and the courses suggested for revision with the recommended revisions is presented for the approval of the members. The Board members passed the approval for the same. The list of approved new courses is attached in the Annexure I.

The Academic Council approved the above mentioned resolutions.

Vice Chancellor thanked all the External experts who have completed their term as members of Academic Council and suggested the Deans and Heads of Various schools to utilize their expertise in their respective academic area.

As there was no other item for discussion, the meeting ended with vote of thanks by the Registrar.

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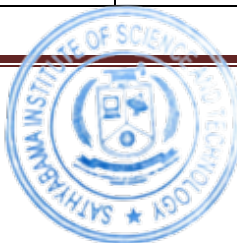


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Annexure I : List of New Courses Introduced in 2020-21

Name of the Course	Course Code
PROBLEM SOLVING TECHNIQUES WITH C AND C++	SCSA1104
PROGRAMMING IN C & C++	SBSA1102
GREEN COMPUTING	SCSA5302
INTERNET OF THINGS LAB	SCSA6301
OBJECT ORIENTED ANALYSIS AND SYSTEM ENGINEERING	SCSA1401
CODE OPTIMIZATION AND DEBUGGING-I	SCSA2302
OBJECT ORIENTED ANALYSIS AND SYSTEM ENGINEERING LAB	SCSA2401
SOCIETY5.0	SAIC4002
CODE OPTIMIZATION AND DEBUGGING-II	SCSA2402
Problem Solving Techniques Lab	SCSA2105
Python Programming	SCSA1204
Code Optimisation and Debugging-I	SCSA2105
Society 5.0	SAIC4002
Virtualization Techniques	S IT1604
Green Computing	S IT1608
Cyber Forensics	SIT1612
Code Optimisation and Debugging-II	SCSA2402
Society 5.0	SAIC4002
Machine Learning	SIT1305
Power Electronics	SEE1305
Special Electrical Machines	SEE1307
Steel In Architecture Design	SAR1613
Industrial Safety Engineering	SPR1607

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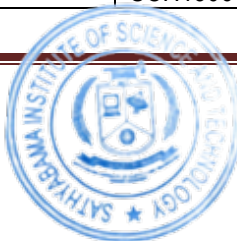
Page 6

Rapid Prototyping	SPR1616
Banking Law	SAL1686
Entrepreneurship Essentials	SBAA1603
Industrial Safety and Hazard Analysis	SCHA3010/SCH1311
Environmental Impact Assessment	SCHA4003/SCH1616
Disaster Management	SCIA4001
Power Electronics	SEE1305
Special Electrical Machines	SEE1307
Industrial Robotics And Expert System	SMEX3012
Advanced Data structure	SCS1201
BIG DATA	SIT1606
VIRTUALIZATION TECHNIQUES	SIT1604
ENTREPRENEURSHIP ESSENTIALS	SBAA1603
ENVIRONMENTAL IMPACT ASSESSMENT	SCHA4003/SCH1616
BANKING LAW	SAL1686
NETWORK SECURITY	SCS1309
Big Data Technologies	SECA7018
Gateway Design for IoT Devices	SECA7019
ADVANCED DIGITAL IMAGE PROCESSING	SECA7022
ADVANCED ROBOTICS AND AUTOMATION	SECA7032
Real Time Data Analytics	SECA7023
Security in IoT	SECA7021
EMBEDDED CONTROL SYSTEMS	SECA7029
SOFTWARE TOOLS FOR TECHNICAL COMPUTING	SECA7037
ADVANCED RF SYSTEM DESIGN	SECA7040
NANO ELECTRONICS AND SENSORS	SECA7016
Society 5.0	SAIC4002
Industrial Drives and automation	SEE1618
Computer Control of Electric Drives	SEE1619
Modern Power Converters	SEE1620
Distributed Generation and Microgridss	SEE1621



INDUSTRY 4.0	SAIC4001
Discrete Electronic Circuits	SEIA1301
Electrical Circuits and Networks Analysis	SEEA1304
Principles of Biomedical Engineering	SBMA1102
Medical Equipment Maintenance And Troubleshooting	SBMA3001
TELEHEALTH TECHNOLOGY	SBMA3010
VIRTUAL AND AUGUMENTED RELIALITY	SBMA4005
HUMAM FACTORS IN ENGINEERING AND DESIGN	SBMA4009
Fundamentals of Phyton Programming	SCSA1102
Fundamentals of Phyton Programming Lab	SCSA2102
Industry 4.0	SAIC4001
Heat Transfer	SCHA1301
Fluid Mechanics	SCHA1303
Chemical Reaction Engineering – I	SCHA1402
Computational Fluid Dynamics	SCHA1403
Mass Transfer - II	SCHA1501
Process Engineering Economics	SCHA1502
Chemical Reaction Engineering - II	SCHA1504
MAT Lab	SCHA2506
Industrial Safety and Hazard analysis	SCHA3010
Environmental Impact Assessment	SCHA4003
Energy Engineering	SCHA4002
Chemical Process Calculations	SCHA1304
Chemical Process Technology	SCHA1305
Instrumentation and Process Control	SCHA1503
Drugs and Pharmaceutical Technology	SCH1612
Food Technology	SCH1609
Process modelling and Simulation	SCH1401
Optimization of chemical processes	SCH1402
Process Simulation Lab	SCH4060
Process Engineering	SCH1306

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Process Equipment Design	SCH1307
Petroleum and Petrochemical Technology	SCH1308
Industrial Safety and Hazard analysis	SCH1311
Environmental pollution control	SCH1310
Public Health Engineering	SCIA4002
Architectural Graphics - I	SARA2101
Art Studio - I	SARA9101
Architectural Graphics - II	SARA2202
Art Studio - II	SARA9201
Creative Thinking Process and Methods	SDE1301
Communicating Design	SDE1302
Computer application I	SDE9402
Model Making Workshop	SDE9302
Project Management Workshop-I	SARA6101
Project Management Workshop-II	SARA6201
Building Performance Analysis Studio	SARA6131
Performance Analysis of Buildings	SARA5233
Fashion Illustration - II	SFDA 2303
Skill Enhancement Course – I Traditional Surface Ornamentation	SFDA 2305
Design I - Women's Wear	SFDA 2304
Fashion Illustration -III	SFDA 2403
Design II – Men's Wear	SFDA 2404
Skill Enhancement Course – II Digital Presentation Techniques	SFDA 2405
Design Studio – I (Soft Skill Development I)	SARA9102
Materials and Construction Studio - I	SARA2201
Design Studio - II (Soft Skill Development II)	SARA9202
Materials and Construction I	SDE2301
Interior Services I	SDE2302
Interior Design Studio III	SDE9301
Materials and construction II	SDE2401
Interior services II	SDE2402

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Interior design studio IV	SDE9401
Construction Project Management	SARA5101
Building Services	SARA5103
Financial Management	SBAA5141
Building Management Studio -I	SARA9121
Project Planning and Control	SARA5201
Contract Management	SARA5204
Building Management Studio II	SARA9221
Building Energy Codes and standards	SARA5132
Technology for Energy Efficient Buildings	SARA5232
Sustainable Water Management	SARA5234
Sustainable Design Studio I	SARA9131
Sustainable Design Studio II	SARA9231
Pattern Making and Draping - I	SFDA 2301
Garment Construction -I	SFDA 2302
Pattern Making and Draping - II	SFDA 2401
Garment Construction - II	SFDA 2402
Construction Technology	SARA5102
Resource Management	SARA5202
Real Estate and Marketing Management	SARA5203
Industry 4.0	SAIC4001
Industry 4.0 for Design and Manufacturing	SMEA4003
Quality Control and Reliability Engineering	SMEA3021
Universal Human Values	SAIC4003
Design of Heat Exchanger	SMEA3020
Heat Transfer Techniques	SAEA3020
Aircraft Design Project Lab	SAEA2601
Industry 4.0 for Design and Manufacturing	SMEA4003
Fundamentals of Automation & Control	SMRA1201
Automation and Programmable Logic Controller	SMRA1401
Signals and Control Systems	SMRA1402

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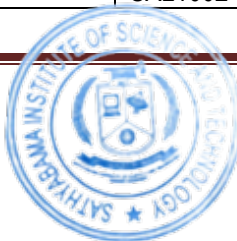
Mechatronics and Simulation lab	SMRA2501
Sensors and Instrumentation	SMRA1601
Micro Electro Mechanical Systems	SMRA1602
Sensors and Instrumentation Lab	SMRA2601
Robotics and Machine Vision System	SMRA1701
Robotics and CAM Lab	SMRA2701
Instrumentation in Industries	SMRA3001
Virtual Instrumentation	SMRA3002
Artificial Intelligence and Expert systems	SMRA3003
Medical Mechatronics	SMRA3004
Experimental stress analysis	SMRA3005
Flexible Manufacturing systems	SMRA4001
Industrial instrumentation	SPH1318
Industry 4.0	SCCA9501
Bio physics	SPHA7410
Introduction to Film Studies	SVCA1302
Introduction to social media	SVCA1303
Environmental Science	SBT1001
Film Appreciation	SVCA2501
MEDIA CULTURE AND ENTERTAINMENT	SVCA5201
Introduction to Sound Design	SVCA6302
Digital Photography	SVCA7303
Advanced Data Analytics	SMTA5204
R for Data Analytics - Lab	SMTA6201
Object Oriented Programming	SCSA5109
Object Oriented Programming lab	SCSA6103
Medicinal Chemistry-II	BP501T
Industrial Pharmacy-I	BP502T
Pharmacology-II	BP503T
Pharmacognosy and Phytochemistry-II	BP504T
Pharmaceutical Jurisprudence	BP505T

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Industrial Pharmacy-I	BP506P
Pharmacology-II	BP507P
Pharmacognosy and Phytochemistry-II	BP508P
Medicinal Chemistry-III	BP601T
Pharmacology-III	BP602T
Herbal Drug Technology	BP603T
Biopharmaceutics and Pharmacokinetics	BP604T
Pharmaceutical Biotechnology	BP605T
Pharmaceutical Quality Assurance	BP606T
Medicinal Chemistry-III	BP607P
Pharmacology-III	BP608P
Herbal Drug Technology	BP609P
Pharmaceutics	ER-20-11T
Pharmaceutical Chemistry	ER-20-12T
Pharmacognosy	ER-20-13T
Human Anatomy and Physiology	ER-20-14T
Social Pharmacy	ER-20-15T
Pharmaceutics	ER-20-11P
Pharmaceutical Chemistry	ER-20-12P
Pharmacognosy	ER-20-13P
Human Anatomy and Physiology	ER-20-14P
Social Pharmacy	ER-20-15P
Family Law - I	SAL1304
Family Law - II	SAL1402
Environmental Law, including protection of wildlife and other living creatures including animal welfare	SAL1403
Labour Law - I	SAL1501
Labour Law -II	SAL1601
Property Law	SAL1702
Principles of Taxation	SAL1903
Company Law	SAL1904
Arbitration, Mediation and Conciliation	SAL1002



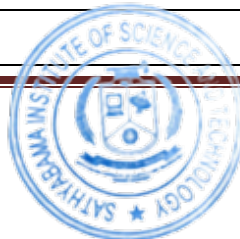
Human Rights Law and Practice	SAL1581
Corporate Governance	SAL1681
Insurance Law	SAL1682
Banking Law	SAL1686
Maritime Laws	SAL1882
International Banking and Finance	SAL1886
Forensic Science	SAL1888
Information Technology Laws	SAL1551
Intellectual Property Rights	SAL1753
Synthetic Biology	SBTA4002
Fundamentals of Automation & Control	SMRA1201
Automation and Programmable Logic Controller	SMRA1401
Signals and Control Systems	SMRA1402
Sensors and Instrumentation	SMR1302
Micro Electro Mechanical Systems	SMR1301
Sensors and Instrumentation Lab	SMR4051
PLC and automation	SMR1303
System Programming	SEC1626
STRESS MANAGEMENT	SPSY1604
EMBEDDED LINUX BSP AND PERFORMANCE TUNING	SEC1627
ENGINEERING ECONOMICS AND COST ANALYSIS	SMEA4004
Effective Leadership	SPSY 1405
Personality Development	SPYA 1304



Annexure II : List of Programmes in which courses on Choice Based Credit System (CBCS) has been introduced in the academic year 2020-21

Programme Code	Programme name
1	B.A-ENGLISH
3	B.Sc-Chemistry
5	B.Pharm
6	B.Sc-Mathematics
8	B.Sc-Psychology
11	B.E-Computer Science & Engineering
12	B.TECH-INFORMATION TECHNOLOGY
13	B.E-Electronics and Communication Engineering
14	B.E-Electrical and Electronics Engineering
15	B.E-Mechanical Engineering
16	B.E-Mechatronics Engineering
18	B.E- Electronics and Instrumentation Engineering
19	B.Tech- Chemical Engineering
20	BE - CIVIL ENGINEERING
21	B.Arch (Architecture)
21	B.Tech Bioinformatics
23	B.Tech. Biotechnology
24	B.TECH BIOMEDICAL
25	B.E- Electronics and Telecommunication Engineering
26	B.E-Aeronautical
27	B Sc Visual Communication
28	B.B.A.
29	B.Sc-Computer Science
30	B.Sc. Microbiology
31	M.E-Computer Science & Engineering
34	M.E. - Power Electronics and Industrial Drives
35	M.E. - Applied Electronics

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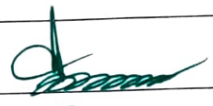


38	ME - STRUCTURAL ENGINEERING
39	LL.B. - 3 YEARS
40	B.A.LL.B.
41	B.COM. LL.B.
41	M.B.A.
42	B.B.A. LL.B
44	M.Tech-Medical Instrumentation
58	Msc visual Communication
59	M.Sc physics
63	M.Sc Maths
74	B.COM General
77	B.Sc. Biotechnology
81	M.Tech. Biotechnology
84	M.Arch (Building Management)
86	B.E-Automobile
89	M.Arch (Sustainable Architecture)
91	M.Sc. Chemistry
92	B.COM-FA
97	MA ENGLISH
101	MSc-Medical Biotechnology and Clinical Research
102	B.Des (Interior Design)
102	Dpharm
105	B.Sc (Fashion Design)
108	M.E. - Embedded and IOT
731	B.E-COMPUTER SCIENCE AND ENGINEERING WITH SPECIALIZATION IN ARTIFICIAL INTELLIGENCE
732	B.E-COMPUTER SCIENCE AND ENGINEERING WITH SPECIALIZATION IN DATA SCIENCE
733	B.E-COMPUTER SCIENCE AND ENGINEERING WITH SPECIALIZATION IN INTERNET OF THINGS
736	B.Sc. Clinical Nutrition & Dietetics
737	B.Sc. Medical Laboratory Technology



738	B.Sc-Bioinformatics and Datascience
739	M.Sc- Bioinformatics and Datascience
900	BDS
904	BSc Nursing
07	B.Sc.Biochemistry
SDMX0101	MDS in Orthodontics and Dentofacial Orthopedics
SDMX0201	MDS in Pedodontics and Preventive Dentistry
SDMX0301	MDS in Conservative Dentistry and Endodontics
46	M.E-Computer Aided Design

Member's Present:

S.NO.	NAME OF THE MEMBER	SIGNATURE
1.	Dr. S. SUNDAR MANOHARAN	
2.	Dr. T. SASIPRABA	-----ABSENT-----
3.	Dr. ARUNI WILSON	
4.	Dr. G. KULANTHAIVEL	
5.	Dr. R. GOVINDARAJ	
6.	Er. A. BOSE	-----ABSENT-----
7.	Dr. K. UMA MAHESWARI	
8.	Dr. G. ARUN KUMAR	-----ABSENT-----

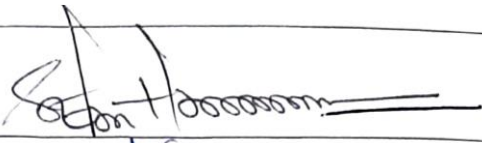
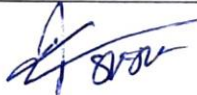
Chairman's Initial



9.	Dr. G.L. SAMUEL	<i>G.L. Samuel</i>
10.	Dr. P. SAGAYA RAJ	ABSENT
11.	Dr. B. SHEELA RANI	ABSENT
12.	Dr. IGNI SABASTI PRABU	<i>Igni Sabasti Prabu</i>
13.	Dr. E. LOGASHANMUGAM	<i>E. Logashanmugam</i>
14.	Dr. SUNDARI G	<i>Sundari G</i>
15.	Dr. T. SASIKALA MADHU	<i>T. Sasikala Madhu</i>
16.	Dr. S. PRAKASH	<i>S. Prakash</i>
17.	Dr. BHUVANESHWARI	<i>Bhuvaneshwari</i>
18.	Dr. B. THAYUMANAVAN	<i>B. Thayumanavan</i>
19.	Dr. NANDITHA N M	<i>Nanditha N M</i>
20.	Dr. M. SUNDARESWARE	<i>M. Sundareswari</i>
21.	Dr. DILSHAD SHAIK	<i>Dilshad Shaik</i>
22.	Dr. SHANMUGA PANDIYAN	<i>P. Shanmuga Pandiyan</i>
23.	Dr. DEVYANI GANGOPADHYAY	<i>Devyani Gangopadhyay</i>

24.	Dr. L. LAKSHMI	L. Lakshmi
25.	Dr. LAKSHMANAN	Laksh
26.	Dr. VIGNESHWARI	Vigneshwari
27.	Dr. R. SUBHASHINI	R. Subhashini
28.	Dr. RAVI T	T. Ravi
29.	Dr. V. SIVACHIDAMBARANATHAN	Sivachidambaranathan
30.	Dr. V. VIJAYA BASKAR	V. Vijaya Baskar
31.	Dr. K. SUJATHA	K. Sujatha
32.	Dr. G. ARUN KUMAR	G. Arun Kumar
33.	Dr. P BOOMA DEVI	P. Booma Devi
34.	Dr. V. K. BUPESH RAJA	V. K. Bupesh Raja
35.	Mrs. NAZINI	Nazini
36.	Dr. J. KARTHIKEYAN	J. Karthikeyan
37.	Dr. RAVICHANDRAN	Ravichandran
38.	Dr. NIRMALA	Nirmala
39.	Dr. PALANI A	A. Palani



40.	Mr. EBIN HARRISON S	
41.	Dr. BHAGYA LAKSHMI	
42.	Dr. V. RAMESH KUMAR	
43.	Dr. SATHISH S	
44.	Dr. KISHORE SONTI	
45.	Mr. JABEZ	
46.	Dr. HEMANANDH J	
47.	Dr. S.S.RAU	






SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

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MINUTES OF THE MEETING OF THE SEVENTEETH ACADEMIC COUNCIL HELD THROUGH VIRTUAL MODE ON 21st, NOVEMBER, 2020.

The seventeenth Academic council meeting was held on 21st November, 2020 at 10.00 am with Dr T. Sasipraba, Vice Chancellor as the Chairperson. The following Members were present in the Virtual meeting.

1. Dr. T. Sasipraba
2. Dr. E. Logashanmugam
3. Dr. Wilson Aruni
4. Dr. G. Kulanthivel
5. Dr. R. Govindaraj
6. Er. A. Bose
7. Dr. K. Umamaheshwari
8. Dr. G. Arun Kumar
9. Dr. G.L. Samuel
10. Dr. P. Sagaya Raj
11. Dr. B. Sheela Rani
12. Dr. G. Sundari
13. Dr. Igni Sabasti Prabu
14. Dr. T. Sasikala Madhu
15. Dr. S. Prakash
16. Dr. G. Bhuvaneshwari
17. Dr. B. Thayumanavan
18. Dr. N.M. Nanditha
19. Dr. Dilshad Shaik
20. Dr. Shanmuga Pandiyan
21. Dr. Devayani Gandopadhyay
22. Dr. L. Lakshmi
23. Dr. Lakshmanan
24. Dr. Vigneshwari
25. Dr. R. Subhashini
26. Dr. T. Ravi
27. Dr. V. Sivachidambaranathan
28. Dr. V. Vijayabaskar
29. Dr. G. Arun Kumar
30. Dr. P. Booma Devi
31. Dr. V.K. Bupresh
32. Mrs. Nazini
33. Dr. J. Karthikeyan

34. Dr. Ravichandran
35. Dr. Nirmala
36. Dr. A. Palani
37. Mr. S Ebin Horrison
38. Dr. Bhagya Lakshmi
39. Dr. V. Ramesh Kumar
40. Dr. S. Bathish
41. Dr. T. Sudhakar
42. Dr. Kishore Sonti
43. Dr. Jabez
44. Dr. J Hemanandh

The Registrar welcomed the members of the Academic council. The Vice Chancellor greeted everyone present and submitted the following information to the members of the Academic Council.

- Sathyabama Institute of Science and Technology is ranked 39th in the Universities category by National Institutional Ranking Framework (NIRF) 2020.

1. The Chairman has opened the floor for discussion on agenda points.

AC:20-21 - 17:01	Confirmation of previous minutes of meeting.
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The minutes of the 16th Academic Council was circulated to all the members. As no comments were received, the minutes are placed for confirmation.

AC:20-21 -17:02	Submission of Action taken Report
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The Convener has submitted the details of Action Taken Report of the Resolutions that were resolved in 16th Academic Council meeting and all the members have accepted the same without any comments.

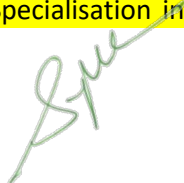
AC:20-21 -17:03	School of Computing
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Dr.T.Sasikala submitted the following resolutions that were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Approval to retain the same syllabus for the courses for 2015 and 2019 curriculum. In addition to that request to approve for conduction of virtual labs were given

Dr. P. Sagaya Raj asked the procedure for conduction of virtual labs and it has been explained by Dr.Laxmanan and Dr.Subhashini. After discussion the members agreed for the same.

The Dean – School of computing has presented the proposal of introducing new programs on CSE with Specialisation in the forth coming academic year 2021-22. The proposal is accepted by all the board



members and the decision was passed to start the following new programmes under the school of Pharmacy.

- CSE – Artificial Intelligence and Machine Learning
- CSE - Artificial Intelligence and Robotics
- CSE – Block Chain Technology
- CSE – Cyber Security

The board moved the approval for the above new programmes and discussed about the process of curriculum design and implementation for the same which would further be discussed in Board of Management meeting.

AC:20-21 – 17:04	School of Electrical and Electronics
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Dr. N.M.Nandhitha submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Introduction of ‘Linux Kernel & Device Driver Programming” as elective for HCL CoE select students in VII semester (complete course delivery by HCL).
- Syllabus revision for Electrical Technology (Theory and practical courses), Principles of Embedded systems, Signals and Systems, Digital Signal Processing and Programming in HDL.
- Approval for Conduct of Circuit laboratories for B.E. Electronics and Communication Engineering, B.E. Electrical and Electronics Engineering, B.E. Electronics and Instrumentation Engineering using MODROBS.

A detailed explanation on MODROBS was given by Dr.V.Vijayabaskhar for the question raised by Dr.Arun Kumar and Dr.Kulanthaivel. The members appreciated the initiative taken by School of Electrical and Electronics Engineering.

AC:20-21 – 17:05	School of Law
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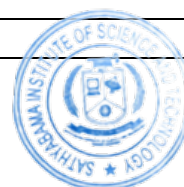
Dr. Dilshad Shaik submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Approval for course content modification in 5 years Law Program and 3 Years LLB Program.

The Council approved the agenda points of Law department after explained by Dr. Dilshad Shaik.

AC:20-21 – 17:06	School of Building and Environment
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Dr. Devyani submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Approval for implementation of Public Health Engineering as CBCS subject for fourth, sixth and eight semester in all branches of B.E Programme in even semester 2020-2021.
- Dean- Academics has presented the list of programs in which courses on CBCS to be introduced in in the academic year 2021-22. (List attached in annexure)

Dr. Bose has informed the Board to explore the possibility of Public Health Engineering, especially for Civil Engineering students.

The Deans of the following schools have presented the BoS recommendation of the respective schools for the revision of courses in 2021-22.

School of Science and Humanities
School of Electrical and Electronics
School of Mechanical Engineering – Mechanical
School of Bio and Chemical
School of Pharmacy

The list of courses in which suggested revision has been carried out is presented and the approval of the members is sought. The Board members passed the approval for the same. The list of courses approved for revision is attached in the Annexure.

AC:20-21 – 17: 07	Any other items
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Dr.S.D.Fatima Banu informed the members about assessment schemes and the same has been approved.

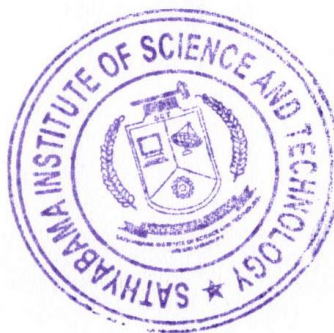
With no other items to discuss the Chairperson closed the meeting and called upon the Registrar to deliver the vote of thanks.

The meeting came to a close with the Registrar thanking every member for taking their time in deliberating the various items in the online meeting despite the various constraints.



Annexure : List of Programmes in which Courses are approved for Revision

Programme Code	Programme name
13	B.E.- Electronics and Communication Engineering
108	M.E. - Embedded and IOT
14	B.E.- Electrical and Electronics Engineering
19	B.Tech - Chemical Engineering
900	BDS
SDMX0101	MDS in Orthodontics and Dentofacial Orthopedics
SDMX0201	MDS in Pedodontics and Preventive Dentistry
SDMX0301	MDS in Conservative Dentistry and Endodontics
106	D.Pharm
1	BA ENGLISH
97	MA ENGLISH
3	B.Sc Chemistry
15	BE-Mechanical Engineering
24	B.Tech- Biomedical Engineering
12	BTECH-INFORMATION TECHNOLOGY
26	B.E-Aeronautical Engineering
63	M.Sc-Maths
16	BE-Mechatronics Engineering
27	B Sc visual communication
58	Msc visual Communication



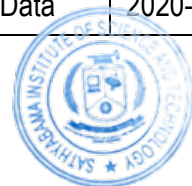
Annexure : List of courses on CBCS to be introduced in in the academic year 2021-22

Course code	Course Name	PROGRAMME	BRANCH	BATCH	Semester
SAEA3017	Manned Space Mission	B.E.	EEE	2020-2024	4
SAEA3017	Manned Space Mission	B.E.	AERO	2019-2023	6
SAUA3013	Alternate Fuels and Energy Systems	B.E.	ECE	2019-2023	6
SAUA3013	Alternate Fuels and Energy Systems	B.E.	EEE	2020-2024	4
SAUA3013	Alternate Fuels and Energy Systems	B.E.	EEE	2019-2023	6
SAUA3013	Alternate Fuels and Energy Systems	B.E.	AUTO	2019-2023	6
SAUA3013	Alternate Fuels and Energy systems	B.Tech.	BIOTECH	2020-2024	4
SAUA3013	Alternate Fuels and Energy systems	B.Tech.	BIOTECH	2019-2023	6
SAUA3013	Alternative fuel and Energy system	B.Tech.	CHEM	2019-2023	6
SBAA1603	Entrepreneurship Essentials	B.E.	CSE	2020-2024	4
SBAA1603	Entrepreneurship Essentials	B.E.	CSE	2019-2023	6
SBAA1603	Entrepreneurship Essentials	B.E.	CSE - AI	2020-2024	4
SBAA1603	Entrepreneurship Essentials	B.E.	CSE - Data Science	2020-2024	4
SBAA1603	Entrepreneurship Essentials	B.E.	ECE	2019-2023	6
SBAA1603	Entrepreneurship Essentials	B.E.	EEE	2020-2024	4
SBAA1603	Entrepreneurship Essentials	B.E.	EEE	2019-2023	6
SBAA1603	Entrepreneurship Essentials	B.Tech.	BIOTECH	2020-2024	4
SBAA1603	Entrepreneurship Essentials	B.Tech.	BIOTECH	2019-2023	6
SBAA1603	Entrepreneurship Essentials	B.E.	CIVIL	2019-2023	6
SBTA4002	Synthetic Biology	B.Tech.	BIOTECH	2020-2024	4
SBTA4002	Synthetic Biology	B.Tech.	BIOTECH	2019-2023	6
SBTA4002	Synthetic Biology	B.Tech.	CHEM	2019-2023	6
SCHA3005	Advanced separation Process	B.Tech.	CHEM	2019-2023	6
SCHA3005	Advanced separation Process	B.Tech.	CHEM	2018-2022	8
SCIA4001	Disaster Management	B.E.	CSE	2020-2024	4
SCIA4001	Disaster Management	B.E.	CSE	2019-2023	6
SCIA4001	Disaster Management	B.E.	CSE - AI	2020-2024	4
SCIA4001	Disaster Management	B.E.	ECE	2019-2023	6
SCIA4002	Public health Engineering	B.E.	ECE	2019-2023	6

Spec



SCIA4001	Disaster Management	B.E.	ECE	2018-2022	8
SCIA4001	Disaster Management	B.E.	EEE	2019-2023	6
SCIA4002	Public health Engineering	B.Tech.	BIOMEDICAL	2019-2023	6
SCIA4001	Disaster management	B.Tech.	BIOTECH	2020-2024	4
SCIA4001	Disaster management	B.Tech.	BIOTECH	2019-2023	6
SCIA4001	Disaster Management	B.E.	CIVIL	2019-2023	6
SCIA4002	MEDICAL IMAGE & SIGNAL PROCESSING LAB	B.Tech.	BIOMEDICAL	2019-2023	6
SCIA4002	Public Health engineering	B.Tech.	BIOTECH	2020-2024	4
SCIA4002	Public Health engineering	B.Tech.	BIOTECH	2019-2023	6
SCIA4002	Public Health Engineering	B.E.	CIVIL	2019-2023	6
SCSA3001	Data Mining and Warehousing	B.E.	CSE	2020-2024	4
SCSA3001	Data Mining and Warehousing	B.E.	CSE	2019-2023	6
SCSA3001	Data Mining and Warehousing	B.E.	CSE - AI	2020-2024	4
SCSA3001	Data Mining and Warehousing	B.E.	CSE - Data Science	2020-2024	4
SCSA3001	Data Mining and Warehousing	B.E.	EEE	2020-2024	4
SCSA3002	Quality Engineering	B.E.	CSE	2020-2024	4
SCSA3002	Quality Engineering	B.E.	CSE	2019-2023	6
SCSA3002	Quality Engineering	B.E.	CSE	2018-2022	8
SCSA3002	Quality Engineering	B.E.	CSE - AI	2020-2024	4
SCSA3002	Quality Engineering	B.Tech.	BIOTECH	2019-2023	6
SCSA3002	Quality Engineering	B.Tech.	CHEM	2019-2023	6
SCSA3002	Quality Engineering	B.E.	CIVIL	2019-2023	6
SCSA3002	Quality Engineering	B.Sc.	Computer Science	2020-2023	4
SCSA3016	Data Science	B.E.	CSE	2020-2024	4
SCSA3016	Data Science	B.E.	CSE	2019-2023	6
SCSA3016	Data Science	B.E.	CSE	2018-2022	8
SCSA3016	Data Science	B.E.	CSE - AI	2020-2024	4
SCSA3016	Data Science	B.E.	CSE - Data	2020-2024	4

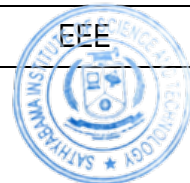


			Science		
SCSA3016	Data Science	B.E.	ECE	2019-2023	6
SCSA3016	Data Science	B.E.	ECE	2018-2022	8
SCSA3016	Data Science	B.E.	EEE	2020-2024	4
SCSA3016	Data Science	B.E.	EEE	2019-2023	6
SCSA3016	Data Science	B.Tech.	BIOTECH	2020-2024	4
SCSA3016	Data Science	B.Tech.	BIOTECH	2019-2023	6
SCSA3016	Data Science	B.E.	CIVIL	2019-2023	6
SCSA3016	Data Science	B.Sc.	Computer Science	2020-2023	4
SCSA3022	AI for Clinical Information System	B.E.	CSE	2020-2024	4
SCSA3022	AI for Clinical Information System	B.E.	CSE	2019-2023	6
SCSA3022	AI for Clinical Information System	B.E.	CSE - AI	2020-2024	4
SCSA3022	AI for Clinical Information system	B.Tech.	BIOTECH	2020-2024	4
SCSA3022	AI for Clinical Information System	B.Sc.	Computer Science	2020-2023	4
SCSA3031	Cognitive IOT	B.E.	CSE	2020-2024	4
SCSA3031	Cognitive IOT	B.E.	CSE	2019-2023	6
SCSA3031	Cognitive IOT	B.E.	CSE - AI	2020-2024	4
SCSA3031	Cognitive IOT	B.E.	CSE - IOT	2020-2024	4
SCSA3031	Cognitive IOT	B.E.	CSE - Data Science	2020-2024	4
SCSA3091	Society 5.0	B.E.	CSE	2020-2024	4
SCSA3091	Society 5.0	B.E.	CSE	2019-2023	6
SCSA3091	Society 5.0	B.E.	CSE - AI	2020-2024	4
SCSA3091	Society 5.0	B.Sc.	Computer Science	2020-2023	4
SEC1626	System Programming	B.E.	CSE	2019-2023	6
SEC1626	System Programming	B.E.	ECE	2019-2023	6
SECA4001	Software Tools for Engineering Applications	B.E.	CSE	2020-2024	4
SECA4001	Software Tools for Engineering Applications	B.E.	CSE	2019-2023	6

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SECA4001	Software Tools for Engineering Applications	B.E.	ECE	2019-2023	6
SEEA1401	Power Electronics	B.E.	ECE	2018-2022	8
SEEA3006	Smart Grid	B.E.	ECE	2019-2023	6
SEEA3006	Smart Grid	B.E.	EEE	2020-2024	4
SEEA3006	Smart Grid	B.E.	EEE	2019-2023	6
SITA3004	User Interface Design and Implementation	B.E.	CSE	2018-2022	8
SITA3004	User Interface Design and Implementation	B.Tech.	IT	2020-2024	4
SITA3004	User Interface Design and Implementation	B.Tech.	IT	2019-2023	6
SITA3004	User Interface Design and Implementation	B.Tech.	IT	2018-2022	8
SITA3004	User interface design and implementation	B.Tech.	BIOTECH	2020-2024	4
SITA3004	User Interface Design and Implementation	B.E.	CSE	2020-2024	4
SITA3004	User Interface Design and Implementation	B.E.	CSE	2019-2023	6
SITA3004	User Interface Design and Implementation	B.E.	CSE - AI	2020-2024	4
SITA3004	User Interface Design and Implementation	B.E.	ECE	2018-2022	8
SITA3005	Social Network Analysis	B.E.	CSE	2018-2022	8
SITA3005	Social Network Analysis	B.Tech.	IT	2020-2024	4
SITA3005	Social Network Analysis	B.Tech.	IT	2019-2023	6
SITA3005	Social Network Analysis	B.Tech.	IT	2018-2022	8
SITA3005	Social Network Analysis	B.E.	EEE	2020-2024	4
SITA3005	Social Network analysis	B.Tech.	BIOTECH	2020-2024	4
SITA3005	Social Network analysis	B.Tech.	BIOTECH	2019-2023	6
SITA3005	Social Network Analysis	B.E.	CSE	2020-2024	4
SITA3005	Social Network Analysis	B.E.	CSE	2019-2023	6
SITA3005	Social Network Analysis	B.E.	CSE - AI	2020-2024	4
SMEA3012	Industrial Robotics and Expert Systems	B.E.	ECE	2019-2023	6
SMEA3012	Industrial Robotics and Expert	B.E.	EEE	2020-2024	4

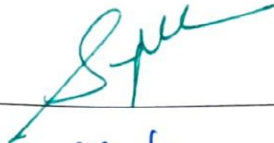
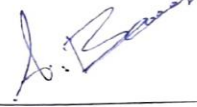
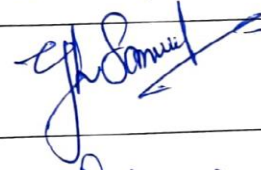


	Systems				
SMEA3012	Industrial Robotics and Expert Systems	B.E.	MECH	2019-2023	6
SMEA3012	Industrial Robotics and Expert Systems	B.E.	MECH	2018-2022	8
SMEA3012	Industrial Robotics and Expert Systems	B.E.	CSE	2020-2024	4
SMEA3012	Industrial Robotics and Expert Systems	B.E.	CSE - AI	2020-2024	4
SMEA3012	Industrial Robotics and Expert Systems	B.E.	MECHATRONICS	2019-2023	6
SMRA3003	Artificial Intelligence and Expert systems	B.E.	ECE	2018-2022	8
SMRA3003	Artificial Intelligence and Expert systems	B.E.	EEE	2020-2024	4
SMRA3003	Artificial Intelligence and Expert systems	B.E.	AUTO	2019-2023	6
SMRA3003	Artificial Intelligence and Expert systems	B.E.	MECHATRONICS	2019-2023	6
SMRA3003	Artificial Intelligence and Expert systems	B.E.	MECHATRONICS	2018-2022	8
SMRA3003	Artificial Intelligence and Expert systems	B.E.	CIVIL	2019-2023	6

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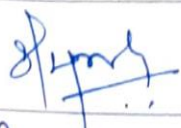
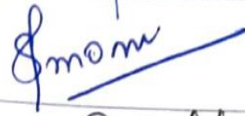
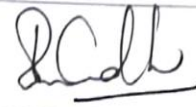
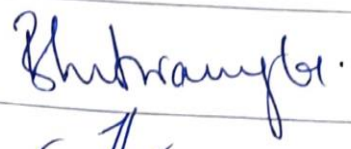
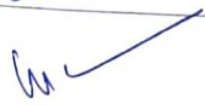
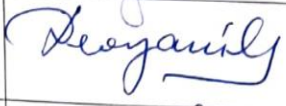
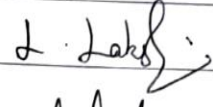
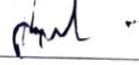
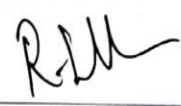
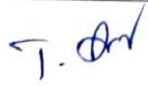


Member's Present:

S.NO.	NAME OF THE MEMBER	SIGNATURE
1.	Dr. T. SASIPRABA	
2.	Dr. E. LOGASHANMUGAM	
3.	Dr. ARUNI WILSON	
4.	Dr. G. KULANTHAIVEL	
5.	Dr. R. GOVINDARAJ	
6.	Er. A. BOSE	
7.	Dr. K. UMA MAHESWARI	
8.	Dr. G. ARUN KUMAR	
9.	Dr. G.L. SAMUEL	
10.	Dr. P. SAGAYA RAJ	
11.	Dr. B. SHEELA RANI	





12.	Dr. IGNI SABASTI PRABU	
13.	Dr. SUNDARI G	
14.	Dr. T. SASIKALA MADHU	
15.	Dr. S. PRAKASH	
16.	Dr. BHUVANESHWARI	
17.	Dr. B.THAYUMANAVAN	
18.	Dr. NANDITHA N M	
19.	Dr. DILSHAD SHAIK	
20.	Dr. SHANMUGA PANDIYAN	
21.	Dr. DEVYANI GANGOPADHYAY	
22.	Dr. L. LAKSHMI	
23.	Dr. LAKSHMANAN	
24.	Dr. VIGNESHWARI	
25.	Dr. R. SUBHASHINI	
26.	Dr. RAVI T	
27.	Dr. V. SIVACHIDAMBARANATHAN	



28.	Dr. V. VIJAYA BASKAR	
29.	Dr. G. ARUN KUMAR	
30.	Dr. P BOOMA DEVI	
31.	Dr. V. K. BUPESH RAJA	
32.	Mrs. NAZINI	
33.	Dr. J. KARTHIKEYAN	
34.	Dr. RAVICHANDRAN	
35.	Dr. NIRMALA	
36.	Dr. PALANI A	
37.	Mr. EBIN HARRISON S	
38.	Dr. BHAGYA LAKSHMI	
39.	Dr. V. RAMESH KUMAR	
40.	Dr. SATHISH S	
41.	Dr. T. SUDHAKAR	
42.	Dr. KISHORE SONTI	
43.	Dr. JABEZ	
44.	Dr. HEMANANDH J	
45.	Dr. S.S.RAO	

46. DR. J. AMUTHA MONICA

47. DR. S.D. FATHIMA BANU

Spec

G.D. Jadhav





SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

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MINUTES OF THE MEETING OF THE EIGHTEENTH ACADEMIC COUNCIL HELD THROUGH VIRTUAL MODE ON 24th JULY, 2021.

The Eighteenth Academic council meeting was held on 24th July, 2021 at 10.00 am with Dr T. Sasipraba, Vice Chancellor as the Chairperson. The following Members were present in the Virtual meeting.

1. Dr. T. Sasipraba
2. Dr. E. Logashanmugam
3. Dr. Wilson Aruni
4. Dr. G. Kulanthivel
5. Dr. R. Govindaraj
6. Er. A. Bose
7. Dr. K. Umamaheshwari
8. Dr. G. Arun Kumar
9. Dr. G.L. Samuel
10. Dr. P. Sagaya Raj
11. Dr. B. Sheela Rani
12. Dr. G. Sundari
13. Dr. Igni Sabasti Prabu
14. Dr. T. Sasikala Madhu
15. Dr. S. Prakash
16. Dr. G. Bhuvaneshwari
17. Dr. B. Thayumanavan
18. Dr. N.M. Nanditha
19. Dr. Dilshad Shaik
20. Dr. Shanmuga Pandiyan
21. Dr. Devayani Gandopadhyay
22. Dr. L. Lakshmi
23. Dr. Lakshmanan
24. Dr. Vigneshwari
25. Dr. R. Subhashini
26. Dr. T. Ravi
27. Dr. V. Sivachidambaranathan
28. Dr. V. Vijayabaskar
29. Dr. G. Arun Kumar
30. Dr. P. Booma Devi
31. Dr. V.K. Bupresh
32. Mrs. Nazini
33. Dr. J. Karthikeyan



34. Dr. Ravichandran
35. Dr. Nirmala
36. Dr. A. Palani
37. Mr. S Ebin Horrison
38. Dr. Bhagya Lakshmi
39. Dr. V. Ramesh Kumar
40. Dr. S. Bathish
41. Dr. T. Sudhakar
42. Dr. Kishore Sonti
43. Dr. Jabez
44. Dr. J Hemanandh

The Registrar welcomed the members of the Academic council. The Vice Chancellor greeted everyone present and submitted the following information to the members of the Academic Council.

- Sathyabama Institute of Science and Technology is ranked 39th in the Universities category by National Institutional Ranking Framework (NIRF) 2020.
- 20th Anniversary of attaining the Deemed University status by Sathyabama
- NBA Accreditation for three programs of the Institute, i.e., B.E. – Electronics and Communication Engineering, B.E. - Mechanical Engineering and B.E. – Aeronautical Engineering.
- Commencement of Centre for Continuing Education (A Centre for Professional and Career Advancement) by the Director, National Assessment and Accreditation Council.

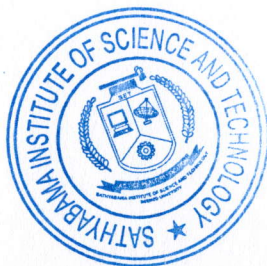
1. The Chairman has opened the floor for discussion on agenda points.

AC:21-22 - 18:01	Confirmation of previous minutes of meeting.
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The minutes of the 17th Academic Council was circulated to all the members. As no comments were received, the minutes are placed for confirmation.

AC:21-22 - 18:02	Submission of Action taken Report
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The Convener has submitted the details of Action Taken Report of the Resolutions that were resolved in 17th Academic Council meeting and all the members have accepted the same without any comments.



Dr.T.Sasikala submitted the following resolutions that were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Approval for the total syllabus for the courses to be started from 2021-2022 academic year

B.E. - Computer Science and Engineering with specialization in AI and Machine Learning

B.E. - Computer Science and Engineering with specialization in AI and Robotics

B.E. - Computer Science and Engineering with specialization in Block chain Technology

B.E. - Computer Science and Engineering with specialization in Cyber Security

- Seeking approval for introduction to introduce Universal Human Values (UHV) and Design Thinking and Innovations as mandatory courses. It is addressed that the number of Professional and Open electives has been increased as per AICTE norms.

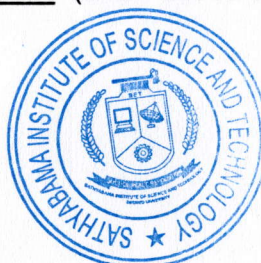
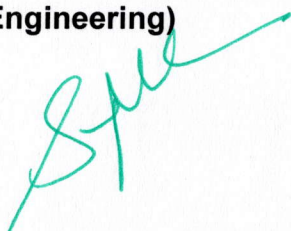
Dr. Kulanthaivel raised a clarification regarding the approval status of the four courses by AICTE. And the Registrar, clarified and showed the approval orders from AICTE for above four courses to be implemented in Sathyabama Institute of Science and Technology. Dr. Govindaraj recommends the inclusion of Ethical Hacking for Cyber Security and Basics of Electronics for IoT, AI and Robotics. The queries regarding partial delivery of Lecture by Industry experts was raised by Dr.Samuel and the same was suggested by Dr.B.Sheela Rani and Dr.Arun Kumar. The initiative towards credit for Manuscript Publications were appreciated by all members.

Dr. N.M.Nandhitha submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Introduction of the following new elective courses for B.E. Electronics and Communication

Deep Learning Neural Networks; IoT for Real Time Applications; Drone Electronics; eHealth; 5G Communications; Machine Learning Techniques; Embedded Processors and Digital Image Processing for Real Time Applications.

- Partial delivery of Lecture by Industrial Experts for the Course Antennas and Wave Propagation in 5th Semester and Optical Communication in 7th Semester for B.E. Electronics and Communication Engineering.
- **Project Based learning Approach:** (B.E. Electronics and Communication Engineering)



An elective course in ECE (Digital image processing for Real Time Applications, Machine Learning techniques and IoT for Real time Applications) in seventh semester (2018-2022) is 50% theory and 50% practical course. Internal marks from CAE 1 and CAE 2 and assignments. Instead of ESE theory exam, the students will be assessed based on the case study (design, implementation, operation) presentation.

- Inclusion of Design Thinking (3 Credit Course) for B.E. Electronics and Communication Engineering in which Students are allowed to identify a real-world problem, formulate the problem statement, identify solutions, select the best solution, implement and obtain the output results)
- Changes in credits as new courses are introduced.
- Syllabus Revision for the course Smart Grid, Electric Vehicle, Green Energy for B.E. Electrical and Electronics Engineering, Antennas and Wave Propagation for B.E. Electronics and Communication Engineering and Industrial Instrumentation for B.E. Electronics and Instrumentation Engineering.

Dr.Govindaraj appreciated the Problem Based Learning Approach and also the members approved the same. Query regarding the assessment of PBLA was raised. The Vice Chancellor assured that this course will not be like conventional theory course, rather it would concentrate more on Lab sessions and academic qualifications of them would be ensured. Dr.Samuel, Er. A. Bose and Dr. Kulanthaivel appreciated the idea and wanted the same to be implemented in all branches.

AC:21-22 - 18:05	School of Mechanical Engineering
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Dr. Prakash submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Aeronautical Engineering: Approval for revisiting course curriculum and syllabus of B.Sc Aviation.
- Automobile Engineering: Approval for content modification of course "Vehicle Body Engineering" in the B.E. Automobile Engineering.
- Approval for revisiting course curriculum and syllabus of B.E. Automobile Engineering.
- Approval for fully flexible choice-based credit system for School of Mechanical.

The Council approved the agenda points of Aeronautical and Automobile engineering. Dr. V.K. Bupresh explained the need for correction in "Vehicle Body Engineering" to Dr.Samuel after which the same was approved.



AC:21-22 - 18:06

School of Bio and Chemical Engineering

Dr. Wilson Aruni submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Introduction of Universal Human Values (UHV) as a 3-credit course, Synthetic Biology as CBCS and Metabolic Engineering and Biosimilars for B.Tech. Biotechnology.
- Change of Biophysical chemistry course to Analytical techniques course for B.Sc. Biochemistry.
- In order to maintain the sustainable attainment level approval for introduction of following 3 new Professional core electives were requested for B.Tech Chemical Engineering.
 - **Course 1:** Green Technology
 - **Course 2 :** Smart materials for Industries
 - **Course 3 :** Computational methods in Chemical Engineering
- Approval of NPTEL courses for S19PT2 (2018 batch) and S19APT1 (2019 batch) for B.Tech Chemical Engineering.
- Approval request for content modification of the following courses for B.Tech Biomedical Engineering. The Courses are MEDICAL ROBOTICS and WEARABLE SYSTEMS FOR HEALTH CARE
- Content Modification in the course Modeling of molecules, Next generation sequencing, Structural and Functional genomics for B.Tech Bioinformatics.

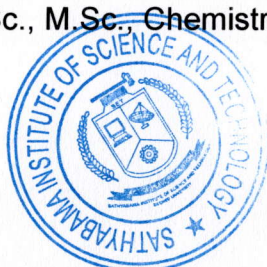
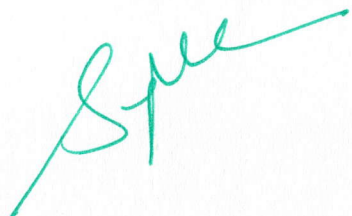
Dr. S. Sathish explained the need for content modifications and the same has been approved by all members.

AC:21-22 - 18:07

School of Science and Humanities

Dr. Karthikeyan submitted the following resolutions of the Department of Chemistry which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- SCYA 1101 – Engineering Chemistry (Common to all branches of I year BE /B.Tech) approval
- SCYA 2101- Engineering Chemistry Lab (Common to all branches of I year BE/B.Tech) and B.Sc., M.Sc., Chemistry syllabus approval



- Approval for syllabus revision has been presented by Mrs. Nazini, Dr.Ravichandran and Dr.Nirmala.

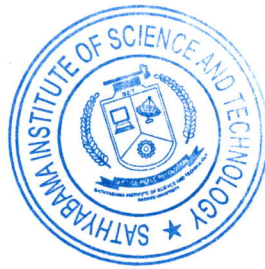
The members after discussion on the content approved the same.

AC:21-22 - 18:08	Any other items
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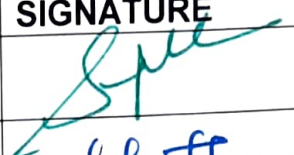
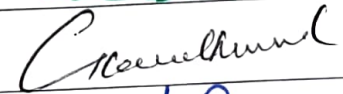
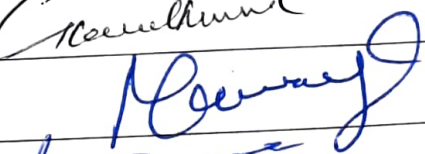
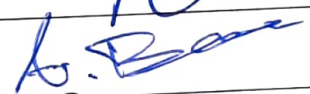
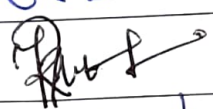
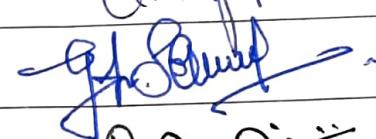
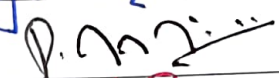
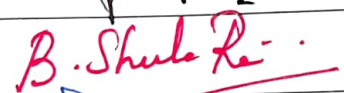
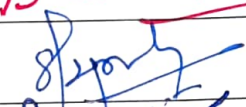
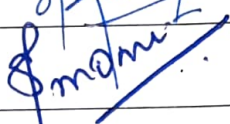
Dr.Thaymanavan informed the members about guidelines given for the conduct of exams by DCI. Dr.Lakshmi also informed the members that the Nursing council has released the guidelines to conduct exams.

With no other items to discuss the Chairperson closed the meeting and called upon the Registrar to deliver the vote of thanks.

The meeting came to a close with the Registrar thanking every member for taking their time in deliberating the various items in the online meeting despite the various constraints.

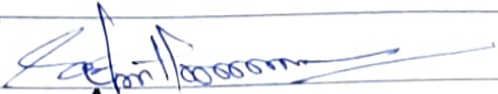
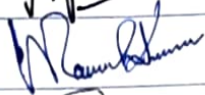
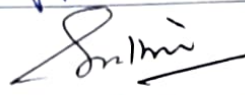
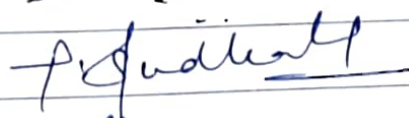
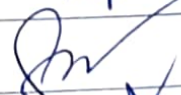
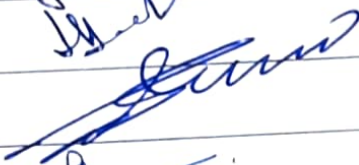


Member's Present:

S.NO.	NAME OF THE MEMBER	SIGNATURE
1.	Dr. T. SASIPRABA	
2.	Dr. E. LOGASHANMUGAM	
3.	Dr. ARUNI WILSON	
4.	Dr. G. KULANTHAIVEL	
5.	Dr. R. GOVINDARAJ	
6.	Er. A. BOSE	
7.	Dr. K. UMA MAHESWARI	
8.	Dr. G. ARUN KUMAR	
9.	Dr. G.L. SAMUEL	
10.	Dr. P. SAGAYA RAJ	
11.	Dr. B. SHEELA RANI	
12.	Dr. IGNI SABASTI PRABU	
13.	Dr. SUNDARI G	



14.	Dr. T. SASIKALA MADHU	<i>Dr. T. Sasikala Madhu</i>
15.	Dr. S. PRAKASH	<i>S. Prakash</i>
16.	Dr. BHUVANESHWARI	<i>Bhuvaneshwari</i>
17.	Dr. B.THAYUMANAVAN	<i>B. Thayumanavan</i>
18.	Dr. NANDITHA N M	<i>Nanditha N M</i>
19.	Dr. DILSHAD SHAIK	<i>Dilshad Shaik</i>
20.	Dr. SHANMUGA PANDIYAN	<i>Shanmuga Pandiyan</i>
21.	Dr. DEVYANI GANGOPADHYAY	<i>Devyani Gangopadhyay</i>
22.	Dr. L. LAKSHMI	<i>L. Lakshmi</i>
23.	Dr. LAKSHMANAN	<i>Lakshmanan</i>
24.	Dr. VIGNESHWARI	<i>Vigneshwari</i>
25.	Dr. R. SUBHASHINI	<i>R. Subhashini</i>
26.	Dr. RAVI T	<i>Ravi T</i>
27.	Dr. V. SIVACHIDAMBARANATHAN	<i>V. Sivachidambaranathan</i>
28.	Dr. V. VIJAYA BASKAR	<i>V. Vijaya Baskar</i>
29.	Dr. G. ARUN KUMAR	<i>G. Arun Kumar</i>
30.	Dr. P BOOMA DEVI	<i>P. Booma Devi</i>
31.	Dr. V. K. BUPESH RAJA	<i>V. K. Bupesh Raja</i>
32.	Mrs. NAZINI	<i>Mrs. Nazini</i>
33.	Dr. J. KARTHIKEYAN	<i>J. Karthikeyan</i>
34.	Dr. RAVICHANDRAN	<i>Ravichandran</i>
35.	Dr. NIRMALA	<i>Nirmala</i>
36.	Dr. PALANI A	<i>Dr. Palani A</i>

37.	Mr. EBIN HARRISON S	
38.	Dr. BHAGYA LAKSHMI	
39.	Dr. V. RAMESH KUMAR	
40.	Dr. SATHISH S	
41.	Dr. T. SUDHAKAR	
42.	Dr. KISHORE SONTI	
43.	Dr. JABEZ	
44.	Dr. HEMANANDH J	
45.	Dr. S.S.RAO	

46. DR. J. AMUTHA MONICA

47. DR. S.D. FATHIMA BANU


Dr. S.D. Fathima Banu



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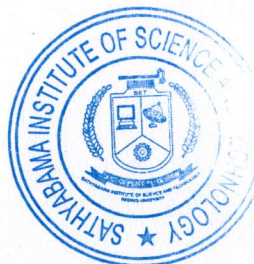
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MINUTES OF THE MEETING OF THE NINETEENTH ACADEMIC COUNCIL HELD THROUGH VIRTUAL MODE ON 24th JAN, 2022.

The Nineteenth Academic council meeting was held on 24th Jan, 2022 at 10.00 am with Dr T. Sasipraba, Vice Chancellor as the Chairperson. The following Members were present in the Virtual meeting.

1. Dr. T. Sasipraba
2. Dr. E. Logashanmugam
3. Dr. G. Kulanthivel
4. Dr. R. Govindaraj
5. Er. A. Bose
6. Dr. K. Umamaheshwari
7. Dr. G. Arun Kumar
8. Dr. G.L. Samuel
9. Dr. P. Sagaya Raj
10. Dr. B. Sheela Rani
11. Dr. G. Sundari
12. Dr. Igini Sabasti Prabu
13. Dr. T. Sasikala Madhu
14. Dr. S. Prakash
15. Dr. G. Bhuvaneshwari
16. Dr. B. Thayumanavan
17. Dr. N.M. Nanditha
18. Dr. Dilshad Shaik
19. Dr. Shanmuga Pandiyan
20. Dr. Devayani Gandopadhyay
21. Dr. L. Lakshmi
22. Dr. Lakshmanan
23. Dr. Vigneshwari
24. Dr. R. Subhashini
25. Dr. T. Ravi
26. Dr. V. Sivachidambarananthan
27. Dr. V. Vijayabaskar
28. Dr. G. Arun Kumar
29. Dr. Dr. P. Booma Devi
30. Dr. V.K. Bupresh
31. Mrs. Nazini
32. Dr. J. Karthikeyan



33. Dr. Ravichandran
34. Dr. Nirmala
35. Dr. A. Palani
36. Mr. S Ebin Horrison
37. Dr. Bhagya Lakshmi
38. Dr. V. Ramesh Kumar
39. Dr. S. Sathish
40. Dr. T. Sudhakar
41. Dr. V.J.K.Kishor Sonti
42. Dr. Jabez
43. Dr. J Hemanandh

The Registrar welcomed the members of the Academic council. The Vice Chancellor greeted everyone present and submitted the following information to the members of the Academic Council.

- Sathyabama Institute of Science and Technology is ranked 40th in the Universities category by National Institutional Ranking Framework (NIRF) 2021 and ranked among the top 50 Universities in India for the 6th consecutive year.
- NBA Accreditation for four UG programs and 1 PG Program of the Institute, i.e., B.E. – Civil Engineering, B.TECH. - Chemical Engineering, Information Technology, Biomedical Engineering and M.B.A.

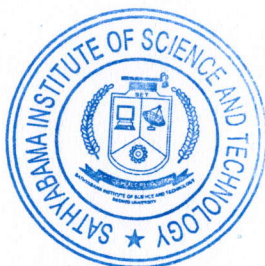
1. The Chairman has opened the floor for discussion on agenda points.

AC:21-22 - 19:01	Confirmation of previous minutes of meeting.
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The minutes of the 18th Academic Council was circulated to all the members. As no major comments were received, the minutes are placed for confirmation.

AC:21-22 - 19:02	Submission of Action taken Report
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The Convener has submitted the details of Action Taken Report of the Resolutions that were resolved in 18th Academic Council meeting and all the members have accepted the same without any comments.



AC:21-22 - 19:03	School of Computing
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Dr.T.Sasikala- Dean School of Computing submitted the following resolutions that were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Approval for the changes for the courses Application based Python Programming Lab for the program B.E. - Computer Science and Engineering with specialization in AI and Machine Learning.
- Seeking approval for the changes for the course Approval for the changes for the course Predictive and Advanced Analytics for the program B.E. - Computer Science and Engineering with specialization in AI and Machine Learning.

Dr. Kulanthaivel raised a query regarding the response status of the four courses introduced in this academic year. Registrar produced the approval status of the four courses implemented in Sathyabama Institute of Science and Technology during 2021-22.

AC:21-22 - 18:04	School of Electrical and Electronics
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Dr. N.M.Nandhitha – Dean, School of EEE submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

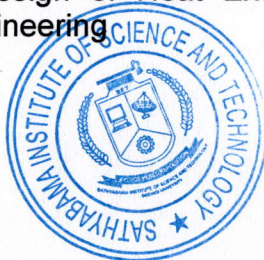
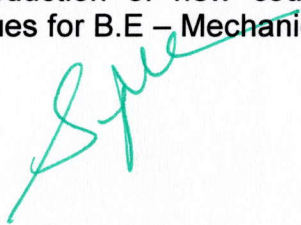
- Introduction of the following new elective courses for B.E. Electronics and Communication
 - Machine Learning Techniques, Power Electronics, Industrial Robotics and Expert systems, IoT for real time applications are offered in the Category of CBCS and PBLA (Project Based learning Approach).
- Seeking approval for the Syllabus Revision for the course Analytical Instrumentation, Industrial Instrumentation for B.E. Electronics and Instrumentation Engineering.

Dr.Govindaraj appreciated the revisions carried out and also the members approved the same.

AC:21-22 - 19:05	School of Mechanical Engineering
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Dr. Prakash – Dean School of Mechanical submitted the following resolutions, which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Introduction of new courses Design of Heat Exchangers, Universal Human Values for B.E – Mechanical Engineering



- Modification in the course Industry 4.0 Design and Manufacturing and Mechanics of Machines for B.E – Mechanical Engineering.

The Council approved the agenda points of Mechanical engineering. Dr. Arunkumar explained the need for correction after which the same was approved.

AC:21-22 - 19:06	School of Bio and Chemical Engineering
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Dr. V.Ramesh kumar submitted the following resolutions, which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Seeking approval for the modification in Industry 4.0 for bio and chemical engineers as a Project Based learning Approach for UG - B.Tech - CHEM/BME/BTE as a 2 credit course. The course is assessed in the way of 50% theory and 50% practical course. Internal marks from CAE 1 and CAE 2 and assignments. Instead of ESE theory exam, the students will be assessed based on the case study (design, implementation, operation) presentation.
- Seeking approval for the modification in Industry 4.0 for bio engineers as a Project Based learning Approach for PG - M.Tech – Medical Instrumentation/ Biotechnology as a 2 credit course. The course is assessed in the way of 50% theory and 50% practical course. Internal marks from CAE 1 and CAE 2 and assignments. Instead of ESE theory exam, the students will be assessed based on the case study (design, implementation, operation) presentation.

Dr. S. Sathish explained the need for content modifications and the same has been approved by all members.

AC:21-22 - 19:07	School of Building and Environment
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Dr. Packiyalakshmi submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Seeking approval for the modification in Industry 4.0 for Civil engineers for B.E Civil engineering and Industry 4.0 for Structural engineers for M.E – Structural engineering.

The Council after discussion, approved the agenda points.

AC:21-22 - 19:08	School of Science and Humanities
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Dr. Karthikeyan submitted the following resolutions of the Department of English, which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

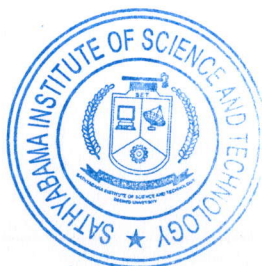
- SHSA1105 – Technical English – The modification provides the scope for enhancement of technical knowledge in English, Cognitive skills and employability of graduates.
- Approval for the implementation new skill oriented courses based on the UGC – (LOCF) Learning Outcomes based Curriculum Framework for the B.Sc – Visual communication program which recommended by syllabus revision has been presented by Mrs. Nazini.

The members after discussion on the content approved the same.

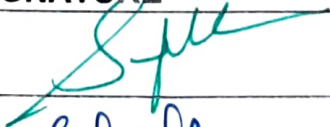
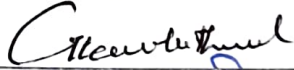
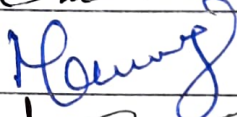
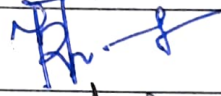
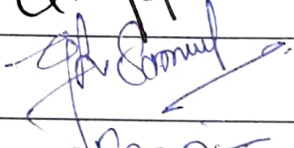
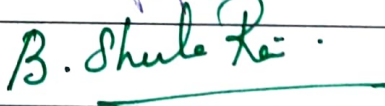
AC:21-22 - 19:09	Any other items
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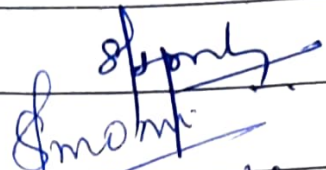
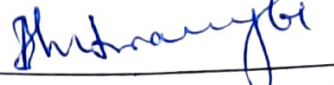
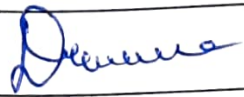
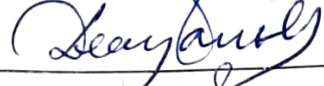
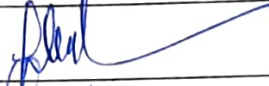
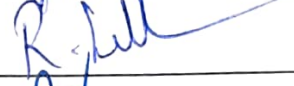
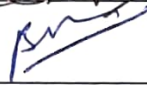
Dr.Thayumanavan, Dr.Lakshmi and Dr.Shamuga Pandiyan informed the members about guidelines given for the conduct of exams/classes by DCI, Nursing council and Pharmacy Council of India.

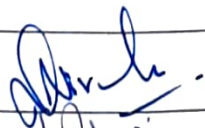
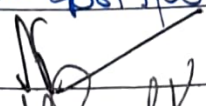
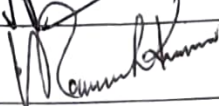
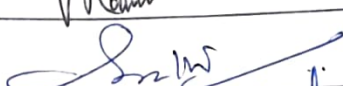
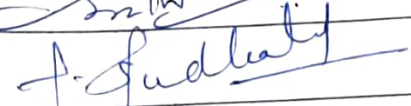
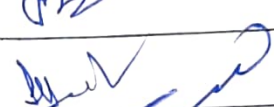
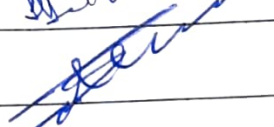
The Chairperson made the concluding remarks and Registrar proposed the vote of thanks.



Member's Present:

S.NO.	NAME OF THE MEMBER	SIGNATURE
1.	Dr. T. SASIPRABA	
2.	Dr. E. LOGASHANMUGAM	
3.	Dr. G. KULANTHAIVEL	
4.	Dr. R. GOVINDARAJ	
5.	Er. A. BOSE	
6.	Dr. K. UMA MAHESWARI	
7.	Dr. G. ARUN KUMAR	
8.	Dr. G.L. SAMUEL	
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10.	Dr. B. SHEELA RANI	

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31.	Mrs. NAZINI	
32.	Dr. J. KARTHIKEYAN	
33.	Dr. RAVICHANDRAN	

34.	Dr. NIRMALA	
35.	Dr. PALANI A	
36.	Mr. EBIN HARRISON S	
37.	Dr. BHAGYA LAKSHMI	
38.	Dr. V. RAMESH KUMAR	
39.	Dr. SATHISH S	
40.	Dr. T. SUDHAKAR	
41.	Dr. V.J.K.KISHOR SONTI	
42.	Dr. JABEZ	
43.	Dr. HEMANANDH J	
44.	Dr. S.S.RAO	



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

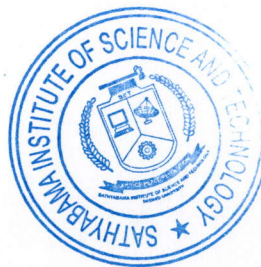
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MINUTES OF THE MEETING OF THE 20th ACADEMIC COUNCIL HELD ON ON 15th JUN, 2022.

The 20th Academic council meeting was held on 15th Jun, 2022 at 10.00 am with Dr T. Sasipraba, Vice Chancellor as the Chairperson. The following Members were present in the meeting.

1. Dr. T. Sasipraba
2. Dr. E. Logashanmugam
3. Dr. G. Kulanthivel
4. Dr. R. Govindaraj
5. Er. A. Bose
6. Dr. K. Umamaheshwari
7. Dr. G. Arun Kumar
8. Dr. G.L. Samuel
9. Dr. P. Sagaya Raj
10. Dr. B. Sheela Rani
11. Dr. G. Sundari
12. Dr. Igni Sabasti Prabu
13. Dr. Bharathi
14. Dr. Rekha Chakravarthi
15. Dr. T. Sasikala Madhu
16. Dr. S. Prakash
17. Dr. G. Bhuvaneshwari
18. Dr. Shahul Hameed Faise
19. Dr. N.M. Nanditha
20. Dr. Dilshad Shaik
21. Dr. Shanmuga Pandiyan
22. Dr. Devayani Gandopadhyay
23. Dr. L. Lakshmi
24. Dr. Lakshmanan
25. Dr. Vigneshwari
26. Dr. R. Subhashini
27. Dr. T. Ravi
28. Dr. V. Sivachidambaranathan
29. Dr. V. Vijayabaskar
30. Dr. G. Arun Kumar
31. Dr. P. Booma Devi
32. Dr. V.K. Bupresh



- 32. Mrs. Nazini
- 33. Dr. J. Karthikeyan
- 34. Dr. Ravichandran
- 35. Dr. Nirmala
- 36. Dr. A. Palani
- 37. Mr. S Ebin Horrison
- 38. Dr. Bhagya Lakshmi
- 39. Dr. V. Ramesh Kumar
- 40. Dr. S. Sathish
- 41. Dr. T. Sudhakar
- 42. Dr. Kishore Sonti
- 43. Dr. Jabez
- 44. Dr. J Hemanandh

The Registrar welcomed the members of the Academic council. The Vice Chancellor greeted everyone present and submitted the following information to the members of the Academic Council.

- New UG Program Bachelor of Physiotherapy is planned for the next academic year after getting the approval from the regulatory bodies and council. The detailed curriculum will be placed in the next academic council meeting.
- The classes for the academic year 2022-23 will be conducted in Physical mode. However technology-mediated instruction that combines online educational materials and opportunities for interaction online with physical place-based classroom methods.
- The assessment and End semester examinations will be conducted only by physical mode..
- ODL (Open & Distance learning) courses will be continued in online mode. Moreover the Board of Management has also the plan for conducted distance education. Modality and detailed course content will be placed in next meeting.
- LMS is in continuous operation for used to plan, implement and assess a specific learning process. The course materials, Assignment and Quiz will be conducted through LMS portal only.

1. The Chairman has opened the floor for discussion on agenda points.

AC:22-23 - 20:01	Confirmation of previous minutes of meeting.
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The minutes of the 19th Academic Council was circulated to all the members. As no comments were received, the minutes are placed for confirmation.



AC:22-23 - 20:02	Submission of Action taken Report
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The Convener has submitted the details of Action Taken Report of the Resolutions that were resolved in 18th Academic Council meeting and all the members have accepted the same without any comments.

AC:22-23 - 20:03	School of Computing
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Dr.T.Sasikala- Dean School of Computing submitted the following resolutions that were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Approval for the changes for the course Design Thinking and Innovations as a Practical course.
- Modifications - In order to prepare students for updated technology the School of Computing in partnership with HCL technologies updated the course content for the following theory courses - Software Engineering, Database Management Systems, Fog and Cloud Computing, Operating system Lab, Computer Networks Lab, Code Optimization and Debugging, Programming in Java, Python Programming, Augmented and Virtual Reality.

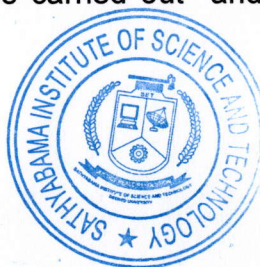
Dr. Kulanthaivel raised a query regarding the modification for courses introduced in this academic year and approved the modifications placed by Dean.

AC:22-23 - 20:04	School of Electrical and Electronics
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Dr. N.M.Nandhitha – Dean School of EEE submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Introduction of the new elective course Autonomous drone Technology for M.E. Applied electronics, Embedded systems and IOT.
- Introduction of the new elective course Big Data Technology for M.E. Applied electronics.
- Seeking approval for the Syllabus Revision for the course wireless communication and renamed with Contemporary wireless communication for B.E. Electronics and Instrumentation Engineering.
- Seeking approval for the new course Engineering Project in Community Service (EPICS) for B.E. Electronics and Instrumentation Engineering.

Dr.Govindaraj appreciated the revisions carried out and also the members approved the same.



AC:22-23 - 20:05

School of Mechanical Engineering

Dr. Prakash – Dean School of Mechanical submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Introduction of new course Non Destructive Testing for B.E – Mechatronics Engineering
- Modification in the courses Robotics and CAM lab, Robotics and Machine Vision System for B.E – Mechatronics Engineering.
- Modification in Fundamentals of Aerospace for B.E - Aeronautical Engineering
- Modification in Solid and Fluid Mechanics for B.E - Automobile Engineering
- Introduction of New Elective Course on Lean Manufacturing for B.E. – Mechanical Engineering.

The Council approved the agenda points of Mechanical engineering. Dr. Prakash explained the need for correction after which the same was approved.

AC:22-23 - 20:06

School of Bio and Chemical Engineering

Dr. V.Ramesh kumar submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Seeking approval for the modification in the course content Diagnostic Instrumentation Lab.
- Introduction of new open elective course "Medical Genomics"
- **Neurology, Food technology, is offered as a CBCS courses for the academic year 2022-23.**

Dr. Sudhakar, Head (BME) explained the need for content modifications and the same has been approved by all members.

AC:22-23 - 20:07

School of Building and Environment

Dr. Packiyalakshmi submitted the following resolutions which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Seeking approval for the modification in Water Resource Engineering, Prestressed Concrete Structures for B.E- Civil Engineering.

The Council after discussion the agenda points was approved.



AC:22-23 - 20:08	School of Science and Humanities
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Dr. Karthikeyan submitted the following resolutions of the Department of Physics and Mathematics which were approved by the Board of Studies and sought the approval of the same from Academic council for implementation.

- Modification in Course content of Physics for Information Sciences, Physics for Engineers, Physics for Robotics and automation.
- Approval for the implementation new elective courses for the B.Sc – Mathematics - Cryptography, Mathematical Modeling, Professional Communication, Actuarial Mathematics and LaTeX Theory.

The members after discussion on the content approved the same.

AC:22-23 - 20:09	Any other items
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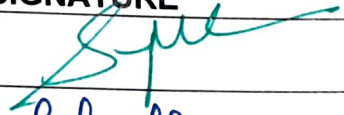
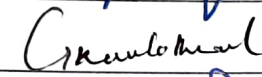
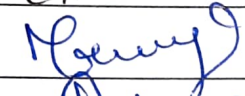
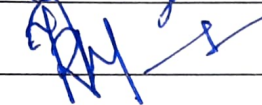
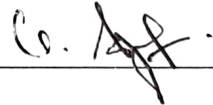
Academic **Credit Transfer** for students who want to learn or experience new subjects during their education time. The council approved the proposal for credit transfer. The details and eligibility criteria will be placed in next meeting.

With no other items to discuss the Chairperson closed the meeting and called upon the Registrar to deliver the vote of thanks.

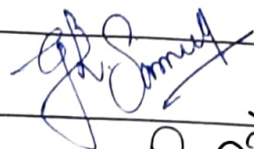
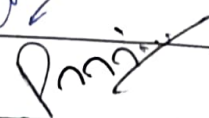
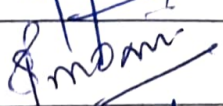
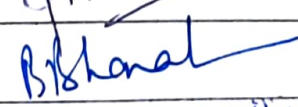
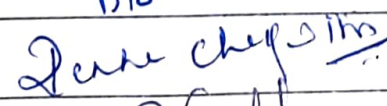
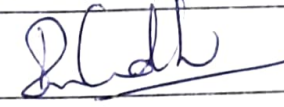
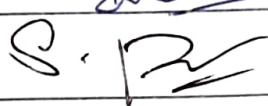
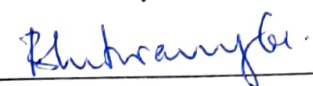
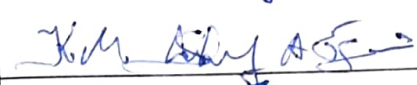
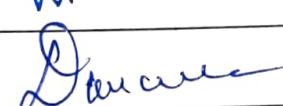
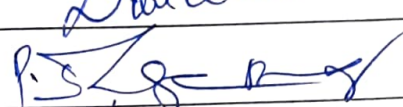
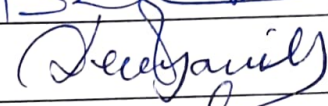
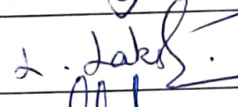
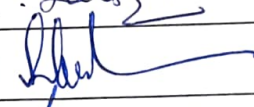
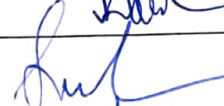
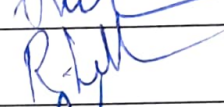
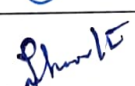
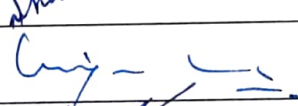
The meeting came to a close with the Registrar thanking every member for taking their time in deliberating the various items in the online meeting despite the various constraints.

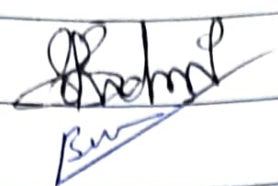
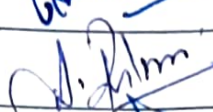
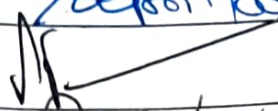
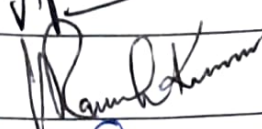
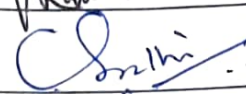
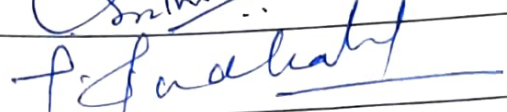
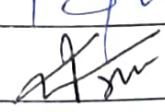
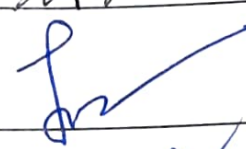
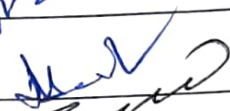
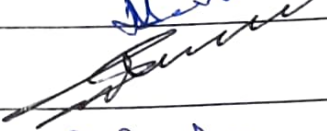


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36.	Dr. NIRMALA	
37.	Dr. PALANI A	
38.	Mr. EBIN HARRISON S	
39.	Dr. BHAGYA LAKSHMI	
40.	Dr. V. RAMESH KUMAR	
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42.	Dr. T. SUDHAKAR	
43.	Dr. KISHORE SONTI	
44.	Dr. JABEZ	
45.	Dr. HEMANANDH J	
46.	Dr. S.S.RAO	

47. Dr PARVEEN BANU R

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48. Dr J. Amutha Monica

