



## Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD)

Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

### Minutes of Board of Studies in Computer Science and Engineering held on 02.05.2024 at 10.00am.

#### Members List

##### Internal Members:

Dr.S.Sivakumari, - **Chairperson**  
Professor and Head,  
Department of Computer Science and Engineering,  
School of Engineering

Dr.P.Amudha, - **Member**  
Professor,  
Department of Computer Science and  
Engineering, School of Engineering

Dr.K.Rajakumari, - **Member**  
Associate Professor,  
Department of Computer Science and  
Engineering, School of Engineering

Dr.D.Nithya - **Member**  
Assistant Professor  
Department of Computer Science and  
Engineering, School of Engineering

Mrs.R.Shanmugapriya, - **Member**  
Assistant Professor,  
Department of Computer Science and  
Engineering, School of Engineering

##### External Members:

Prof. Hema A. Murthy - **Academician**  
Professor, Department of CSE  
Indian Institute of Technology Madras  
Chennai

Dr.Mary Anita Rajam **Academician**  
Professor, Department of CSE  
Anna University, Chennai

Dr.Hamsagayathri Palanisamy - **Industrial Expert**  
Senior Associate – Projects,  
Cognizant Technology Solutions,  
Coimbatore.

**Invited Members:**

Dr.R.Ahila,  
Assistant Professor  
Department of Computer Science and  
Engineering, School of Engineering

Ms.P.Sindhuja  
Assistant Professor  
Department of Computer Science and  
Engineering, School of Engineering

Ms.K.Divya  
Assistant Professor  
Department of Computer Science and  
Engineering, School of Engineering

Mrs.K.Thamaraiselvi  
Assistant Professor  
Department of Computer Science and  
Engineering, School of Engineering

Mrs.D.Rajeswari  
Assistant Professor  
Department of Computer Science and  
Engineering, School of Engineering

Mrs.C.Janani  
Assistant Professor  
Department of Computer Science and  
Engineering, School of Engineering

Mrs.R.Divya  
Assistant Professor  
Department of Computer Science and  
Engineering, School of Engineering

Mrs Minu Sunitha Mary  
Assistant Professor  
Department of Computer Science and  
Engineering, School of Engineering

**Invited Member (Student Representative)**

Ms.Sangeerane B (20090UEO23)  
IV Year B.E CSE Student (2020-2024 batch)

Ms. Sharrmine Sylvia (20136UEA12)  
IV Year B.E AI&DS Student (2020-2024 batch)

**Invited member (Alumni Representative)**

Ms. N. SriHarshini (2019-23 batch)  
Programmer Analyst Trainee,  
Cognizant Technology Solutions,  
Coimbatore-641035.

## Discussions of the Meeting (Pertinent to the agenda)

<b>Agenda 1</b>	Passing the syllabi of <b>Specialisation papers</b> applicable for <b>Ph.D. scholars</b> admitted during <b>January, 2024.</b> <b>Not Applicable</b>
<b>Agenda 2</b>	Framing the syllabi from 3rd to 6th semester for the following programmes: <ul style="list-style-type: none"><li>• <b>B.Com. with minor specialisation programmes</b></li><li>• <b>B.Sc. Augmented Reality and Virtual Reality</b></li></ul> <b>Not Applicable</b>
<b>Agenda 3</b>	Introduction of Four-year Integrated Teacher Education Programme <b>Not Applicable</b>
<b>Agenda 4</b>	Passing the revised Scheme of Instruction and Examination and Syllabi from 3 <sup>rd</sup> to 8 <sup>th</sup> Semesters applicable for the Undergraduate Engineering students admitted from the academic year 2024-2025 & onwards. <b>Discussion:</b> <ol style="list-style-type: none"><li>a. The Board recommended the revised Scheme of Instruction and Examination and the Syllabi from 3<sup>rd</sup> to 8<sup>th</sup> semesters of <b>B.E Computer Science and Engineering</b> students admitted from the academic year 2024-2025 &amp; onwards is enclosed in <b>Annexure I</b>.</li><li>b. The Board recommended the revised Scheme of Instruction and Examination and the Syllabi from 3<sup>rd</sup> to 8<sup>th</sup> semesters of <b>B.E Artificial Intelligence and Data Science</b> students admitted from the academic year 2024-2025 &amp; onwards is enclosed in <b>Annexure II</b>.</li><li>c. The Board recommended the introduction of Scheme of Instruction and Examination and the Syllabi from 3<sup>rd</sup> to 8<sup>th</sup> semesters of <b>B.E Computer Science and Engineering (Artificial Intelligence and Machine Learning)</b> students admitted from the academic year 2024-2025 &amp; onwards is enclosed in <b>Annexure III</b>.</li><li>d. The Board recommended the introduction of Scheme of Instruction and Examination and the syllabi from 3<sup>rd</sup> to 8<sup>th</sup> semesters of <b>B.E Computer Science and Engineering (Internet of Things, Cyber Security Including Block Chain Technology)</b> students admitted from the academic year 2024-2025 &amp; onwards is enclosed in <b>Annexure IV</b>.</li><li>e. The Value added course <b>21BEOV01 Computer Animation</b> is changed as <b>24BEOV01 Computer Animation</b> for <b>B.E Computer Science and Engineering, B.E Artificial Intelligence and Data Science, B.E Computer Science and Engineering (Artificial Intelligence and Machine Learning)</b> and <b>B.E Computer Science and Engineering (Internet of Things, Cyber Security Including Block Chain Technology)</b> students admitted from the academic year 2024-2025 &amp; onwards is enclosed in <b>Annexures I, II, III and IV</b> respectively.</li></ol>

f. The **Part- IV Non - Credit Mandatory Courses: A. Ability Enhancement Compulsory Courses (AECC)** for the B.E. students admitted from the academic year 2024-2025 & onwards are listed below and the syllabus is enclosed in **Annexure I, II, III and IV:**

- 24BEMC01 Environmental Science
- 24BEMC02 Constitution of India
- 24BEMC03 Consumer Affairs
- 24BEMC04 Essence of Indian Knowledge Tradition
- 24BECS01 Communication Skills
- 24BEMC05 Design Thinking
- 24BESS01 Soft Skills
- 24BEMC06 Professional Ethics
- 24BEMC07 Disaster Management

g. The **Open Elective courses** offered by the **Department of Computer Science and Engineering** applicable for the UG students admitted in the other Engineering departments from the academic year 2024-2025 & onwards are listed below and the syllabus is enclosed in **Annexure V:**

- 24BEOO01 Open Source Technologies
- 24BEOO02 Cyber Laws and Security Policies
- 24BEOO03 Introduction to Data Analytics

h. All Practical components are renamed as Laboratory.

i. The Board recommended the following courses for the award of **B.E. Honours (Data Science)** degree applicable for **B.E. Computer Science and Engineering** students admitted from the academic year 2024-2025 & onwards and the syllabus is enclosed in **Annexure VI:**

**B.E Honours (Data Science)**

<i>Semester</i>	<i>Course Code</i>	<i>Name of the Course</i>
<b>V</b>	24BEOH01	Recommender Systems
	24BEOH02	Sentiment Analysis
<b>VI</b>	24BEOH03	Virtual and Augmented Reality
	24BEOH04	R for Data Analytics
<b>To be completed between 5<sup>th</sup> to 7<sup>th</sup> semesters</b>	24BEOH51/ -	<b>MOOC (12 Weeks Course in SWAYAM – NPTEL)</b>
	24BEOH60	
	24BEOH61/ -	<b>MOOC (12 Weeks Course in SWAYAM – NPTEL)</b>
	24BEOH70	

- j. The Board recommended the following courses for the award of **B.E. Honours (Machine Learning)** degree applicable for **B.E Artificial Intelligence and Data Science** students admitted from the academic year 2024-2025 & onwards and the syllabus is enclosed in **Annexure VII:**

**B.E. Honours (Machine Learning)**

<i>Semester</i>	<i>Course Code</i>	<i>Name of the Course</i>
<b>V</b>	24BEAH01	Wearable Computing
	24BEAH02	Sentiment Analysis
<b>VI</b>	24BEAH03	Virtual and Augmented Reality
	24BEAH04	Text analytics
<b>To be completed between 5<sup>th</sup> to 7<sup>th</sup> semesters</b>	24BEAH51/ -	<b>MOOC (12 Weeks Course in SWAYAM – NPTEL)</b>
	24BEAH60	
	24BEAH61/ -	<b>MOOC (12 Weeks Course in SWAYAM – NPTEL)</b>
	24BEAH70	

- k. The Board recommended the following courses for the award of **B.E. Honours (Cyber Security)** degree applicable for **B.E Computer Science and Engineering (Artificial Intelligence and Machine Learning)** students admitted from the academic year 2024-2025 & onwards and the syllabus is enclosed in **Annexure VIII:**

**B.E. Honours (Cyber Security)**

<i>Semester</i>	<i>Course Code</i>	<i>Name of the Course</i>
<b>V</b>	24BEMH01	Essentials of Cyber Security
	24BEMH02	Information Security
<b>VI</b>	24BEMH03	Ethical Hacking
	24BEMH04	Privacy and Security in Online Social Media
<b>To be completed between 5<sup>th</sup> to 7<sup>th</sup> semesters</b>	24BEMH51/ -	<b>MOOC (12 Weeks Course in SWAYAM – NPTEL)</b>
	24BEMH60	
	24BEMH61/ -	<b>MOOC (12 Weeks Course in SWAYAM – NPTEL)</b>
	24BEMH70	

- l. The Board recommended the following courses for the award of **B.E. Honours (Artificial Intelligence)** degree applicable for **B.E Computer Science and Engineering (Internet of Things, Cyber Security Including Block Chain Technology)** students admitted from the academic year 2024-2025 & onwards and is enclosed in **Annexure IX:**

### B.E. Honours (Artificial Intelligence)

<i>Semester</i>	<i>Course Code</i>	<i>Name of the Course</i>
<b>V</b>	24BEYH01	Business Intelligence and Analytics
	24BEYH02	Generative AI
<b>VI</b>	24BEYH03	Web Programming for AI
	24BEYH04	Responsible AI
<b>To be completed between 5<sup>th</sup> to 7<sup>th</sup> semesters</b>	24BEYH51/ - 24BEYH60	<b>MOOC (12 Weeks Course in SWAYAM – NPTEL)</b>
	24BEYH61/ - 24BEYH70	<b>MOOC (12 Weeks Course in SWAYAM – NPTEL)</b>

- m. The Board recommended the following courses for the award of **Minor specialization (Cloud Technologies)** under the **Department of Computer Science and Engineering** applicable for the students admitted in the other Engineering departments from the academic year 2024-2025 & onwards and the syllabus is enclosed in **Annexure X**:

### Minor Specialization (Cloud Technologies)

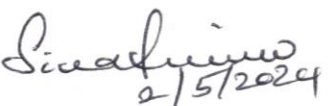
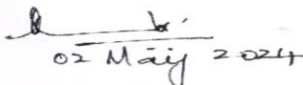
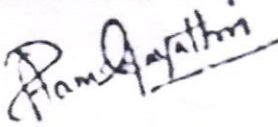
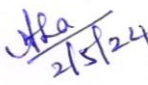
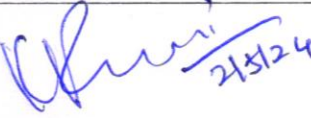
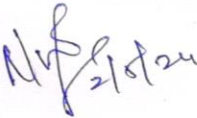
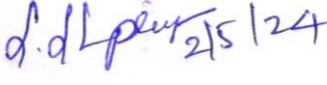



<i>Semester</i>	<i>Course Code</i>	<i>Name of the Course</i>
<b>V</b>	24BEOM01	Principles of Cloud Computing
	24BEOM02	Cloud Architecture
<b>VI</b>	24BEOM03	Cloud Application Development
	24BEOM04	Cloud Security
<b>To be completed between 5<sup>th</sup> to 7<sup>th</sup> semesters</b>	24BEOM51/ - 24BEOM60	<b>MOOC (12 Weeks Course in SWAYAM – NPTEL)</b>
	24BEOM61/ - 24BEOM70	<b>MOOC (12 Weeks Course in SWAYAM – NPTEL)</b>

- n. Revision in the syllabus of the following course offered to the **Department of Electronics and Communication Engineering** applicable for the students admitted from the academic year 2024-2025 & onwards and the syllabus is enclosed in **Annexure XI**:

### 24BEES18 C++ and Data Structures

- The external expert suggested the following:
  - Theory of Computation concepts is also essential for B.E Computer Science and Engineering (Artificial Intelligence and Machine Learning) and B.E Computer Science and Engineering (Internet of Things, Cyber Security Including Block Chain Technology).

	<ul style="list-style-type: none"> <li>➤ Quantum cryptography, Security in ML, Trustworthy AI, and Interpretable AI can be offered as elective courses for B.E Computer Science and Engineering (Internet of Things, Cyber Security Including Block Chain Technology).</li> <li>➤ Case studies or applications can be given in Unit V for M.E. Artificial Intelligence and Data Science.</li> </ul>
<b>Agenda 5</b>	<p>Implementation of the following UGC Guidelines:</p> <ul style="list-style-type: none"> <li>• Credit-Based Course on Pedagogical Aspects for Teaching Divyangjans and Persons with Specific Learning Disabilities (SLDs)</li> <li>• “Accessibility Guidelines and Standards for Higher Education Institutions and Universities”.</li> </ul> <p style="text-align: center;"><b>Not Applicable</b></p>
<b>Agenda 6</b>	<p>Any other</p> <ol style="list-style-type: none"> <li>a. Introduction of the scheme of Instruction and Examination and Syllabi of 3rd and 4th Semesters of <b>M.E Artificial Intelligence and Data Science</b> applicable for the students admitted from the academic year 2024-2025 &amp; onwards is enclosed in <b>Annexure XII</b>.</li> <li>b. The <b>Open Elective course</b> offered by the <b>Department of Computer Science and Engineering</b> applicable for the PG students admitted in the other Engineering departments from the academic year 2024-2025 &amp; onwards is given below and the syllabus is enclosed in <b>Annexure XIII</b>:  <b>24MEAO01 Foundations of Artificial Intelligence</b></li> </ol>
<b>Suggestions by Students/Alumni/Employers on Curriculum and Syllabus</b>	
<p><b>Ms.Sangeerane B (20090UEO23), IV Year B.E CSE Student (2020-2024 batch)</b></p> <p>The automation tools like Selenium can be included in Software testing</p> <p><b>Ms. Sharrmine Sylvia (20136UEA12), IV Year B.E AI&amp;DS Student (2020-2024 batch)</b></p> <p>In the elective list, number of courses offered under the domains can be increased</p> <p><b>Ms. Sreeharshini. N (2019-2023) Batch, Alumni</b> (Programmer Analyst Trainee, CTS, Coimbatore)</p> <p>The Professional elective courses chosen from SWAYAM NPTEL and getting certified can be helpful for the students to improve their employability prospects and their career advancement. The Minor degree program will enable the students to apply the knowledge gained from their Major and pursue additional academic interests in contemporary fields.</p>	

Members Present:		Signature
<b>Chairperson</b>		
Dr.S.Sivakumari, Professor & Head, Department of Computer Science and Engineering, School of Engineering.	-	 2/5/2024
<b>External Members</b>		
Prof. Hema A. Murthy Professor, Department of CSE Indian Institute of Technology Madras Chennai	-	NOT PRESENT
Dr.Mary Anita Rajam Professor, Department of CSE Anna University, Chennai	-	 02 May 2024
Dr.Hamsagayathri Palanisamy Senior Associate – Projects, Cognizant Technology Solutions, Coimbatore.		
<b>Internal Members</b>		
Dr.P.Amudha, Professor, Department of Computer Science and Engineering, School of Engineering	-	 2/5/24
Dr.K.Rajakumari, Associate Professor, Department of Computer Science and Engineering, School of Engineering	-	 2/5/24
Dr.D.Nithya Assistant Professor Department of Computer Science and Engineering, School of Engineering		 2/5/24
Mrs.R.Shanmugapriya, Assistant Professor, Department of Computer Science and Engineering, School of Engineering		 2/5/24
<b>Invited Members</b>		
Dr.R.Ahila, Assistant Professor Department of Computer Science and Engineering, School of Engineering	-	 2/5/24
Ms.P.Sindhuja Assistant Professor Department of Computer Science and Engineering, School of Engineering		 2/5/24
Ms.K.Divya Assistant Professor Department of Computer Science and Engineering, School of Engineering		 2/5/24



Mrs.K.Thamaraiselvi Assistant Professor Department of Computer Science and Engineering, School of Engineering		K. Thamaraiselvi 21/5/24 (K.Thamaraiselvi)
Mrs.D.Rajeswari Assistant Professor Department of Computer Science and Engineering, School of Engineering		D. Rajeswari 21/5/24 (D. RAJESWARI)
Mrs.C.Janani Assistant Professor Department of Computer Science and Engineering, School of Engineering		J. C 21/5/24 (JANANI.C)
Mrs.R.Divya Assistant Professor Department of Computer Science and Engineering, School of Engineering		R. Divya 21/5/24 (Divya.R)
Mrs Minu Sunitha Mary Assistant Professor Department of Computer Science and Engineering, School of Engineering		Minu Sunitha Mary 21/5/24 (M.Minu Sunitha Mary)
<b>Invited Member (Student Representative)</b>		
Ms.Sangeerane B ((20090UEO23) IV Year B.E CSE Student (2020-2024 batch)	-	B. Sangeerane
Ms. Sharmine Sylvia (20136UEA12) IV Year B.E AI&DS Student (2020-2024 batch)	-	S. Sharmine Sylvia.
<b>Invited member (Alumni Representative)</b>		
Ms.N. SriHarshini (2019-23 batch) Programmer Analyst Trainee, Cognizant Technology Solutions, Coimbatore-641035.	-	SriHarshini

*Revision of Courses in already existing programmes (if any)*

*a. Revision of courses without title change*

Course code	Course title	Semester	Credits	Percentage of revision (if new indicate as new)
<b>B.E Computer Science and Engineering</b>				
24BEOC05	Database Management Systems	III	3	20%
24BEOC06	Software Engineering	III	3	30%
24BEOC09	Operating Systems	IV	3	20%
24BEOC10	Artificial Intelligence	IV	3	20%
24BEOC11	Computer Networks	IV	4	30%
24BEOC12	Design and Analysis of Algorithms	IV	3	20%
24BEOC18	Big Data Analytics	V	3	40%
24BEOC23	Internet and Web Technology	VI	3	20%
24BEOC24	Machine Learning	VI	3	50%
24BEOC20	Linux Programming	VI	3	20%
24BEOE02	Social Media Analytics	V	3	15%
24BEOE11	Cognitive Computing	VII	3	40%
24BEOE22	High Performance Computing	V	3	40%
24BEOE23	Internet of Things and Applications	V	3	40%
24BEOE24	Software Testing	V	3	30%
24BEOE28	Edge Computing	VI	3	10%
24BEOE31	Information Security	VII	3	10%
24BEOE32	Full Stack Software Development	VII	3	10%
<b>B.E Artificial Intelligence and Data Science</b>				
24BEAC05	Database Management Systems	III	3	20%
24BEAC06	Software Engineering	III	3	30%
24BEAC03	Foundations of Data Science	III	3	70%
24BEAC09	Operating Systems	IV	3	20%
24BEAC10	Artificial Intelligence	IV	3	20%
24BEAC11	Computer Networks	IV	4	30%
24BEAC24	Machine Learning	VI	3	20%
24BEAC25	Natural Language Processing	VI	3	20%
24BEAE02	Cognitive Computing	V	3	40%

*b. Introduction of courses/Revision of Courses with title change*

Course code	Course title	Semester	Credits	Type (Specify- New / Title change)	Percentage of revision (if new indicate as new)
<b>B.E Computer Science and Engineering</b>					
24BEES21	Object Oriented Programming using Java	III	4	New	New
24BEOC03	Foundations of Data Science	III	3	New	New
24BEOC04	Data Structures and Algorithms -II	III	3	New	New
24BEOC07	Data Structures and Algorithms - II Laboratory	III	1	New	New
24BEOC08	Database Management Systems Laboratory	III	1	New	New
24BEOC13	Distributed Computing	IV	3	New	New
24BEOC14	Operating Systems Laboratory	IV	1	New	New
24BEOC15	Artificial Intelligence Laboratory	IV	1	New	New
24BEOC16	Data Mining and Warehousing	V	3	New	New
24BEOC17	Cloud Computing and Virtualization	V	3	New	New
24BEOC19	Theory of Computation	V	3	New	New
24BEOC21	Data Mining and Big Data Analytics Laboratory	V	1	New	New
24BEOC22	Cloud Computing Laboratory	V	1	New	New
24BEOC25	Cryptography and Cyber Security	VI	3	New	New
24BEOC26	Compiler Design	VI	3	New	New
24BEOC27	Internet and Web Technology Laboratory	VI	1	New	New
24BEOC28	Machine Learning Laboratory	VI	1	New	New
24BEHS08	Engineering Economics	VII	3	New	New
24BEOC30	Deep Learning	VII	3	New	New
24BEOC31	Deep Learning Laboratory	VII	1	New	New
24BEOE01	Exploratory Data Analysis	V	3	New	New
24BEOE03	Computer Vision	V	3	New	New
24BEOE04	Predictive Analytics	V	3	New	New
24BEOE05	Data Visualization	VI	3	New	New
24BEOE06	Image and Video Analytics	VI	3	New	New

24BEOE07	Natural Language Processing	VI	3	New	New
24BEOE08	Business Analytics	VI	3	New	New
24BEOE09	Reinforcement Learning	VII	3	New	New
24BEOE10	Text and Speech Analysis	VII	3	New	New
24BEOE12	Generative AI	VII	3	New	New
24BEOE25	Security and Privacy in Cloud	VI	3	New	New
24BEOE26	UI and UX Design	VI	3	New	New
24BEOE27	IoT Architectures and Protocols	VI	3	New	New
24BEOE29	IoT Analytics	VII	3	New	New
24BEOE30	Blockchain Technology	VII	3	New	New
<b>B.E Artificial Intelligence and Data Science</b>					
24BEES21	Object Oriented Programming using Java	III	4	New	New
24BEAC04	Data Structures and Algorithms -II	III	3	New	New
24BEAC07	Data Structures and Algorithms-II Laboratory	III	1	New	New
24BEAC08	Database Management Systems Laboratory	III	1	New	New
24BEAC12	Design and Analysis of Algorithms	IV	3	New	New
24BEAC13	Exploratory Data Analysis	IV	3	New	New
24BEAC14	Operating Systems Laboratory	IV	1	New	New
24BEAC15	Artificial Intelligence Laboratory	IV	1	New	New
24BEAC16	Computer Vision and Image Processing	V	3	New	New
24BEAC17	Web Programming for AI	V	3	New	New
24BEAC18	R for Data Science	V	3	New	New
24BEAC19	Theory of Computation	V	3	New	New
24BEAC20	Big Data Mining	V	3	New	New
24BEAC21	Web Programming for AI Laboratory	V	1	New	New
24BEAC22	Big Data Mining Laboratory	V	1	New	New
24BEAC23	Data Analytics and Data Visualization	VI	3	New	New
24BEAC26	Speech Processing and Analytics	VI	3	New	New
24BEAC27	Data Analytics and Data Visualization Laboratory	VI	1	New	New

24BEAC28	Machine Learning Laboratory	VI	1	New	New
24BEHS08	Engineering Economics	VII	3	New	New
24BEOC30	Deep Learning	VII	3	New	New
24BEOC31	Deep Learning Laboratory	VII	1	New	New
24BEAE01	Knowledge Representations and Reasoning	V	3	New	New
24BEAE03	Business Intelligence and Analytics	V	3	New	New
24BEAE04	Robotics	V	3	New	New
24BEAE05	Regression Modelling	VI	3	New	New
24BEAE06	Predictive Analytics	VI	3	New	New
24BEAE07	Streaming Data Analytics	VI	3	New	New
24BEAE08	Generative AI	VI	3	New	New
24BEAE09	Responsible AI	VII	3	New	New
24BEAE10	Robotics and Intelligent Systems	VII	3	New	New
24BEAE11	Reinforcement Learning	VII	3	New	New
24BEAE12	Intelligent Multi Agent Expert Systems	VII	3	New	New
24BEAE21	Artificial Neural Networks	V	3	New	New
24BEAE22	Cryptography and Network Security	V	3	New	New
24BEAE23	Quantum Computing	V	3	New	New
24BEAE24	Soft Computing in Data Science	V	3	New	New
24BEAE25	Recommender Systems	VI	3	New	New
24BEAE26	Mobile Application Development	VI	3	New	New
24BEAE27	Cloud Computing and Virtualization	VI	3	New	New
24BEAE28	Internet of Things and Applications	VI	3	New	New
24BEAE29	Text and Speech Analysis	VII	3	New	New
24BEAE30	Artificial Intelligence in Cyber Security	VII	3	New	New
24BEAE31	Block Chain Technology	VII	3	New	New
24BEAE32	Text, Web and Social Media Analytics	VII	3	New	New

2. New Programme (if any) introduced - Nil

3. Part IV Component of UG/ Part II Component of PG (if any)

a. Revision of courses in Part IV Component of UG/ ~~Part II Component of PG~~ without title change

Course code	Course title	Semester	Credits	Percentage of revision
24BEOV01	Value Added Course - Computer Animation	III	-	Course code changed
24BEMC03	Consumer Affairs	III	-	Course code changed
24BEMC07	Disaster Management	VII	-	Course code changed

b. Introduction of courses/Revision of Courses in Part IV Component of UG/~~Part II Component of PG~~ with title change

Course code	Course title	Semester	Credits	Type (Specify- New/Title change)	Percentage of revision (if new indicate as new)
24BEMC04	Essence of Indian Knowledge Tradition	IV	-	New	New
24BEMC05	Design Thinking	V	-	New	New
24BEMC06	Professional Ethics	VI	-	New	New

4. Deletion or removal of courses to be specified in detail (if any).

Course code	Course title	Semester	Credits	Deletion
<b>B.E Computer Science and Engineering</b>				
21BEHS05	Professional and Computer Ethics	III	3	Deleted
21BEOC07	Microprocessors and Microcontrollers	IV	4	Deleted
21BEOC13	Information Retrieval	V	3	Deleted
21BEOC19	Software Project Management	VI	3	Deleted
21BEOC22	Data Privacy and Security	VI	3	Deleted
21BEOC27	Mobile Application Development	VII	3	Deleted
21BEOE02	Java Programming	V	3	Deleted
21BEOE03	Adhoc and Sensor Networks	V	3	Deleted
21BEOE06	Agile Technologies	VI	3	Deleted
21BEOE22	Image and Video Processing	V	3	Deleted
21BEOE24	Web Analytics and Development	VI	3	Deleted
21BEOE25	Human Computer Interaction	VI	3	Deleted
21BEOE26	Object Oriented Analysis and Design	VI	3	Deleted
21BEOE27	Robotics Technology	VI	3	Deleted
21BEOE28	Computational Intelligence	VI	3	Deleted

21BEOE29	Big Data Security	VI	3	Deleted
<b>B.E Artificial Intelligence and Data Science</b>				
21BEAC07	Microprocessors and Microcontrollers	IV	4	Deleted
21BEAC08	Python for Data Science	IV	3	Deleted
21BEAC13	Information Retrieval	V	3	Deleted
21BEAC19	Software Project Management	VI	3	Deleted
21BEAC21	Internet and Web Technology	VI	3	Deleted
21BEAC23	Internet and Web Technology Practicals	VI	1.5	Deleted
21BEAE01	Pattern Recognition	V	3	Deleted
21BEAE02	AI in Healthcare Applications	V	3	Deleted
21BEAE03	Image and Video Processing	V	3	Deleted
21BEAE04	Human Computer Interaction	VI	3	Deleted
21BEAE05	Game Theory in AI	VI	3	Deleted
21BEAE07	Business Intelligence	VI	3	Deleted
21BEAE08	Virtual and Augmented Reality	VI	3	Deleted
21BEAE09	Application of Machine Learning in Industries	VI	3	Deleted
21BEAE10	Convolution Neural Networks	VII	3	Deleted
21BEAE13	Application of Machine Learning in Industries	VII	3	Deleted
21BEAE21	Data Science applications of Vision	V	3	Deleted
21BEAE22	Models of Computations	V	3	Deleted
21BEAE23	Agent Based Intelligent System	V	3	Deleted
21BEAE24	Edge Computing	VI	3	Deleted
21BEAE25	Text Mining	VI	3	Deleted
21BEAE26	Web Analytics and Development	VI	3	Deleted
21BEAE27	Big Data Security	VI	3	Deleted
21BEAE28	Time Series analysis and Forecasting	VI	3	Deleted
21BEAE29	Data Intensive Computing	VI	3	Deleted
21BEAE30	Cloud Data Management	VI	3	Deleted
21BEAE31	Social Media Analytics	VI	3	Deleted