

**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be University)

-Ftd u/s 3 of UGC Act 1956

DEPARTMENT OF ADVANCED COMPUTER SCIENCE & ENGINEERING**CIRCULAR**

Date: 12.02.2026

Department of ACSE scheduled Board of Studies (BoS) meeting for the B.Tech Computer Science and Business Systems program on 14.02.2026 from 10.00AM in blended mode. (Physical meeting: Room No:602, sixth floor, Nagarjuna Block, VFSTR and virtual meeting: B.Tech CSBS BOS Meeting | Microsoft Teams | Meet-up-Join). All the members are requested to make it convenient to attend the meeting.

S.No	Name of the Member	Designation and Affiliation	Role
1	Dr. Venkatesulu Dondeti	Professor & Addl. Dean, Department of ACSE, VFSTR Deemed to be University Contact : 9840850744 Mail : dean_addl_acse@vignan.ac.in	Chair Person
2	Mr. VS Sai Kumar Somanchi	Data Scientist, TCS Contact : +91 9908512692	External Member
3	Dr. MM Naidu	Professor (Rtd) and former Principal, SVU college of Engineering, Tirupati, Andhra Pradesh Contact : 91 9848348473 Mail : mmnaidu@yahoo.com	External Member
4	Dr. Chalam	Professor (Rtd), Department of Management Acharaya nagarjuna University, Andhra Pradesh Contact : 91 9440613822	Invited Member
5	Dr. MVP Chandra Sekhara Rao	Professor & Head, Department of CSBS & DS RVR & JC college of Engineering, AP Contact : 91 9849403801 Mail : mvpc@rvrc.ac.in	Invited Member
6	Dr. Deevi Radha Rani	Associate Professor & Head, Department of ACSE, VFSTR Deemed to be University Contact : 91 9676354404 Mail : hod_acse@vignan.ac.in	Internal member

7	Dr. Nirupama Bhat	Professor, Department of ACSE, VFSTR Deemed to be University Contact : 91 99088 23834 Mail : drnmb_acse@vignan.ac.in	Internal Member
8	Dr Arnab De	Asst. Professor, Department of ACSE, VFSTR Deemed to be University Contact: 91 9614547390 Mail : drarnb_acse@vignan.ac.in	Internal Member
9	Mrs. S Radha Rani	Asst. Professor, Department of ACSE, VFSTR Deemed to be University Contact: 91 9493670612 Mail : srr_acse@vignan.ac.in	Internal Member (Nominee – School Dean)
10	Dr. Javed Ahmed Dar	Assistant Professor, Department of ACSE, VFSTR Deemed to be University Contact : 7006157037 Mail : drjad_acse@vignan.ac.in	Internal Member (Nominee – Dean R&D)
11	Mr. DS Bhupal Naik	Asst. Professor, Department of ACSE, VFSTR Deemed to be University Contact : 91 9550367172 Mail : dsbn_acse@vignan.ac.in	Member Secretary

Agenda of the BoS Meeting:

1. Discussions and approval of R25 – C25 B.Tech. Computer Science and Business Systems Program Structure.
2. Discussion on L-T-P structure change or any credit change courses, if any
3. Percentage of syllabus revision from R22C24 to R25
4. Discussion on addition of additional Department electives, open electives and the fulfillment of pre-requisites for department electives.
5. Approval of SWAYAM/NPTEL courses
6. Leverage in taking advantage in assigning 4 credits for the NPTEL courses.
7. Approval of L-T-P structure change or any credit change courses, if any
8. Approval of Honor/minor/department elective/open elective courses, if any
9. Any other point with the permission of Chair.


Chairperson 21/4/24

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DEPARTMENT OF ADVANCED COMPUTER SCIENCE & ENGINEERING

Date: 14.02.2026

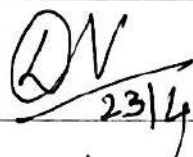
Minutes of Board of Studies Meeting

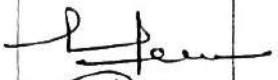
Board of Studies (BoS) meeting of B.Tech., Computer Science and Business Systems programme was conducted on 14.02.2026 in blended mode from 10.00AM onwards. (Physical meeting : Room No:602, sixth floor, Nagarjuna Block, VFSTR and virtual meeting link : B.Tech CSBS BOS Meeting | Microsoft Teams | Meet-up-Join).

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8. Approval of Honor/minor/department elective/open elective courses, if any
9. Any other point with the permission of Chair.

The following members were present either thorough offline or online.

SL.No.	Name and Designation of the member	Position	Mode of Presence/ Signature
1	Dr. Venkatesulu Dondeti Professor & Head, Department of ACSE, VFSTR Deemed to be University	Chair Person	 23/4
2	Dr. MM Naidu Professor (Rtd) and former Principal, SVU college of Engineering, Tirupati, AP	External Member	online
3	Mr. VS Sai Kumar Somanchi Data Scientist, TCS Contact : +91 9908512692	External Member	online
4	Dr MVP Chandra Sekhara Rao Professor & Head, Department of CSBS & DS RVR & JC college of Engineering, AP	Invited Member	online
5	Dr. D Radha Rani	Internal Member	

	Associate Professor & Head, Department of ACSE, VFSTR Deemed to be University Contact : 91 9676354404		
6	Dr. Nirupama Bhat M Professor, Department of ACSE, VFSTR Deemed to be University	Internal Member	
7	Dr Arnab De Asst. Professor, Department of ACSE, VFSTR Deemed to be University	Internal Member	
8	Mrs. S Radha Rani Asst. Professor, Department of ACSE, VFSTR Deemed to be University	Internal Member (Nominee – School Dean)	
9	Dr. Javed Ahmed Dar Assistant Professor, Department of ACSE, VFSTR Deemed to be University Contact : 7006157037 Mail : drjad_acse@vignan.ac.in	Internal Member (Nominee – Dean R&D)	
10	Dr. DS Bhupal Naik Assoc. Professor, Department of ACSE, VFSTR Deemed to be University	Member Secretary	

The following members have taken leave of absence:

SL.No.	Name and Designation of the member	Position
1	Dr. Chalam Professor (Rtd), Department of Management Acharaya Nagarjuna University, Andhra Pradesh Contact : 91 9440613822	Invited Member

Chairperson Dr. Venkatesulu Dondeti, Professor and Additional Dean, Department of ACSE, VFSTR opened the meeting by welcoming the external members, invitees to the internal members. Secretary, Mr. DS Bhupal Naik, Assistant Professor, Department of ACSE, VFSTR presented the B.Tech. Computer Science and Business Systems Program sponsored by TCS program curriculum along with the contents to the board members.

The following points were discussed in the BoS meeting:

1. Discussions and approval of R25 – C25 B.Tech. Computer Science and Business Systems Program Structure.
2. Curriculum structure with credits, credits distribution (L-T-P-SL).
3. Significance of self-learning (SL)
4. 2 Modules, Module-1 is fundamental with 2 units and Module-2 is fundamental with 2 units.
5. Approval of L-T-P structure change or any credit change courses, if any
6. Approval of Honor/minor/department elective/open elective courses, if any
7. Assessment methods (Formative & Summative).

8. Grading Schemes.
9. Department Elective and Honour courses (streams/pools).
10. Open Elective and Minor courses (streams/pools).
11. Information related to NPTEL courses for the Academic Year 2025-26.
12. Creative work-in-Liu-Course work
13. SDG Mapping and incorporation of IKS components
14. Consideration of new program outcomes (POs) as prescribed by the NBA
15. Percentage of syllabus revision from R22C24 to R25
16. To Discuss about the SDG and IKS components in the syllabus.
17. To approve the R25-C25 curriculum, syllabus and assessment schemes of B.Tech. CSBS Program and recommend to the Academic council.
18. Discussion on addition of additional Department electives, open electives and the fulfillment of pre-requisites for department electives.
19. Approval of SWAYAM/NPTEL courses
20. Leverage in taking advantage in assigning 4 credits for the NPTEL courses.
21. Any other point with the permission of Chair.

The following resolutions made after the discussion:

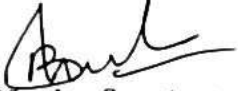
1. Secretary, Dr. DS Bhupal Naik has initiated the presentation on Revision of R25 – C25 of B.Tech CSE- CSBS Curriculum. The External Board members expressed their opinion that the overall course structure of the program and the content of the courses are well-designed and are sufficient for the program at under graduate level. They provided a few suggestions to further improve the quality of the existing curriculum.
2. Mr. VS Sai Kumar Somanchi enquired about the inclusion of SWAYAM/ NPTEL courses as mandatory in curriculum. The internal BOS members clarified the steps to be followed by students for choosing the SWAYAM/NPTEL courses.
3. Prof. MM Naidu suggested offering an industry-based internship program, either individually or in batches. The board members accepted the suggestion, and the changes were duly incorporated.
4. Prof. MM Naidu and Mr. VS Sai Kumar Somanchi reviewed the Optimization Techniques course syllabus suggested modifications. The internal BOS members accepted the suggestion and the changes were duly incorporated.
5. Secretary, Dr. DS Bhupal Naik initiated the agenda item regarding the proposal to award 4 credits for SWAYAM/NPTEL courses instead of the existing 3 credits. After detailed deliberation, the Board approved to take advantage in assigning 4 credits for the NPTEL courses of 12 weeks duration which are previously approved by the Board of studies as Department Electives/Open Electives for the R22 curriculum.
6. BoS Members approved the revised regulations, curriculum structure, syllabus of B.Tech., CSE-CSBS program and it follows based on the NEP 2020. Curriculum structure is provided in Appendix-I.
7. Secretary, Dr. DS Bhupal Naik also presented the result analysis of the students for the concerned semester. The members discussed the overall performance of the students, pass percentage, and subject-wise results.
8. Major reformation has taken place in the curriculum by offering Honours/Specialization degree or Minor degree through additional 20 more credits with additional courses.
9. In the meeting, the external board members reviewed the program elective courses, Honors courses, and SWAYAM-NPTEL courses chosen by the CSBS students. They

expressed their opinion that the overall curriculum and course content are well-designed and adequate for an undergraduate-level program.

10. The curriculum is encompassing the courses that enable employability or entrepreneurship or skill development, provided in **Appendix - II**.
11. Total average percentage of syllabus revised was **20%** compared to previous curriculum provided in **Appendix - III**.
12. The significant changes are made in the content of all courses and hence the courses are considered as new courses provided in **Appendix - IV**.
13. **Indian Knowledge System (IKS)** components are incorporated in the relevant courses and the details are mentioned in **Appendix - V**.
14. The courses in the curricula are mapped with the **Sustainable Development Goals (SDG)** and the mapping details are provided in **Appendix - VI**.
15. Feedback from various stakeholders is incorporated appropriately in the R25-C25 curriculum.
16. SDG mapping and incorporation of the IKS components in the syllabus is approved.

Based on the feedback from various stakeholders and suggestions given by the members, the Chairperson of BoS told that, those fruitful suggestions would be incorporated appropriately in the curriculum and syllabi of the regulation R25 – C25 and this will be recommended to the Academic Council of VFSTR for the approval.

There being no further points for discussion, the Chairperson thanks all the external, internal, invited members and announced that the meeting was adjourned.


Member Secretary


Chairperson

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DEPARTMENT OF ADVANCED COMPUTER SCIENCE AND ENGINEERING**APPENDIX I****Computer Science and Business Systems: Curriculum Structure****COURSE STRUCTURE – C25****Induction program**

Course Title	L	T	P	SL	C	Course category
Orientation program (Induction Program)					1	Binary graded
Total					1	

Pre - semester

Course Title	L	T	P	SL	C	Course category
Mathematics					1	Basic Sciences
English Communication					1	Humanities
Aptitude & Logical Reasoning					1	Humanities
IT Tools					1	Basic Engineering
					1	Binary graded
					1	Binary graded
Total					6	

I Year I Semester

Course Title	L	T	P	SL	C	Course category
Mathematics					4	Basic Sciences
Physics / Chemistry					4	Basic Sciences
Basic of Electrical & Electronics Engineering/ Engineering Graphics					3	Basic Engineering
Programming in C					4	Basic Engineering
English Proficiency & Communication Skills (PET)					1	Humanities
Environmental Studies / Management Studies					3	Basic Sciences / Humanities
					1	Binary graded
					1	Binary graded
					1	Binary graded
Total					22	

I Year II Semester

Course Title	L	T	P	SL	C	Course category
Mathematics					4	Basic Sciences
Physics / Chemistry					4	Basic Sciences
Basic of Electrical & Electronics Engineering/Engineering Graphics					3	Basic Engineering
Problem Solving through Python					3	Basic Engineering
Technical English Communication					2	Humanities
Environmental Studies / Management Studies					3	Basic Sciences / Humanities
Cyber security					1	Basic Engineering
					1	Binary graded
					1	Binary graded
					1	Binary graded
					1	Binary graded
Total					24	

II Year I Semester

Course Title	L	T	P	SL	C	Course category
Maths (P&S)					4	Basic Sciences
Dept. Specific – Physics / Domain Subject					3	Basic Sciences
Data Structures	2	2	2	2	4	Basic Engineering
Design Thinking and Engineering Orientation					1	Basic Engineering
Database Management Systems	2	2	2	2	4	Professional Core-1
Formal Language and Automata Theory	3	2	0	3	4	Professional Core-2
Digital Logic and Computer Organization	2	2	2	2	4	Professional Core-3
Total					24	

II Year II Semester

Course Title	L	T	P	SL	C	Course category
Dept. Specific – Computational Statistics	2	0	2	2	3	Basic Sciences
Industry – Interface (I ²) Course					1	Dept. Elective-1
NPTEL					3	Open Elective-1
Design and Analysis of Algorithms	2	2	2	2	4	Professional Core-4
Object Oriented Programming	2	0	4	2	4	Professional Core-5
Operating Systems	2	2	2	2	4	Professional Core-6
Software Engineering	2	0	2	2	3	Professional Core-7
					1	Project
Total					23	

III Year I Semester

Course Title	L	T	P	SL	C	Course category
Soft Skills Laboratory					1	Humanities
Quantitative Aptitude & Logical Reasoning					1	Humanities
Human Resource Analytics	2	2	0	2	3	Dept. Elective-2
Full Stack Development	2	0	4	2	4	Professional Core-8
Artificial Intelligence	2	2	2	2	4	Professional Core-9
Business Strategy	3	2	0	2	4	Professional Core-10
Computer Networks	3	0	2	3	4	Professional Core-11
Sub-Total					21	
Honours/Minors (Add-on)					4	Honours/Minors
Total					25	

III Year II Semester

Course Title	L	T	P	SL	C	Course category
Professional Communication Skills					1	Humanities
Big Data Analytics	3	0	2	3	4	Dept. Elective-3
Financial Management	3	0	2	3	4	Dept. Elective-4
					3	Open Elective-2
Machine Learning	2	2	2	2	4	Professional Core-12
Usability Design and Software Applications	2	0	2	2	3	Professional Core-13
					1	Project
Sub-Total					20	
Honours/Minors (Add-on)					4	Honours/Minors
Total					24	

IV Year I Semester

Course Title	L	T	P	SL	C	Course category
Dept. Specific (Professional Ethics)					2	Humanities
Cryptography and Network Security	2	2	2	2	4	Dept. Elective-5
Business Analytics	2	2	2	2	4	Dept. Elective-6
Work-in-Lieu of Course – Research paper publications/patents/presentations/global certifications					4*	Dept. Elective-7
					3	Open Elective-3
Sub-Total					17	
Honours/Minors (Add-on)					4	Honours/Minors
Total					21	

IV Year II Semester

Course Title	L	T	P	SL	C	Course category
Project/Internship					12	Project/Internship
Sub-Total					12	
Honours/Minors (Add-on)					4	Honours/Minors
Total					16	

List of Department Electives

Sl. No.	Course Title	L	T	P	C	Pre-requisite Knowledge
1	Human Resource Analytics	2	2	0	3	
2	Big Data Analytics	3	0	2	4	
3	Financial Management	2	2	0	3	
4	Cryptography and Network Security	3	0	2	4	
5	Business Analytics	3	0	2	4	
6	Machine Learning	3	0	2	4	
7	Usability design of software applications	3	0	2	4	
8	Introduction to IOT	3	0	2	4	
9	Data Science using Python	2	2	2	4	
10	Enterprise systems	3	2	0	4	
11	Marketing Research and Marketing Management	2	2	0	3	
12	Introduction to Innovation, IP Management and Entrepreneurship	2	2	0	3	
13	Augmented Reality and virtual Reality	2	2	0	3	
14	Mobile Computing	3	0	2	4	
15	Cryptology	3	2	0	4	
16	Image Processing and pattern Recognition	3	0	2	4	
17	Simulation and Modelling	3	2	0	4	
18	Java Programming	3	0	2	4	
19	Behavioural Economics	2	2	0	3	
20	Advance Finance	2	2	0	3	

List of Honors Courses

Sl. No.	Course Code	Course Title	L	T	P	C
1		Optimization Techniques	3	2	0	4
2		Image Processing and pattern Recognition	3	0	2	4
3		Deep Learning	3	0	2	4
4		Block Chain Technology	3	0	2	4
5		Capstone Project	0	2	6	4

LIST OF NPTEL Courses

SL.No	Course Title
1	Business Intelligence & Analytics
2	Data Analytics with Python
3	Advances in Strategic Human Resource Management (HRM)
4	AI in Human Resource Management
5	AI in Marketing
6	AI in Product Management
7	Business analytics and data mining Modeling using R
8	Business Analytics for Management Decision
9	Business Statistics
10	E-Business
11	Financial accounting – IITMandi
12	Power BI
13	Customer Relation Management
14	AI for Investments
15	E-Business
16	The Joy of Computing using Python
17	Financial Management of Managers
18	Introduction to Internet of Things
19	Deep Learning-IIT Ropar
20	Introduction to Large Language Models


Member Secretary


Chairperson 2314