

Minutes of the
14th Meeting of the Academic Council
held on
23rd August 2025



VIT-AP
UNIVERSITY





Minutes of the 14th Meeting of Academic Council held on 23rd August 2025 (Saturday)
at 10:00 am to 12:00 pm in Blended Mode

Members Present:

- 1 Dr. Kota Reddy S V, Vice-Chancellor, VIT-AP
- 2 Dr. Kartikeyan M V, Director of IIIT DM Kancheepuram
- 3 Dr. Venkatesh Balasubramanian, IIT Madras
- 4 Dr. Krishna Mohan C, IIT Hyd.
- 5 Dr. Subba Rao Pavuluri, Chairman & Managing Director, Ananth Technologies Limited (ATL), Hyd.
- 6 Mr. Karthikeyan Natarajan, Executive Director & CEO, Cyient, Hyd.
- 7 Mr. Kalyan Muppaneni, Founder & CEO, Pi DATACENTERS, Hyd.
- 8 Dr. Dr. Anthony Xavior, Dean Academics, VIT-Vellore
- 9 Dr. Madhusudhana Rao N, Dean Academics, VIT AP
- 10 Dr. Ravindra Dhuli, Dean Research, VIT AP
- 11 Dr. Venkatrajam Marka, Controller of Examinations, VIT-AP
- 12 Dr. Sudhalar Ilango, Chairperson BoS, SCOPE, VIT- AP
- 13 Dr. Umakanta Nanda, Chairperson BoS, SENSE, VIT-AP
- 14 Dr. Dileep Kumar Mohanthy, Chairperson BoS, SMEC, VIT-AP
- 15 Dr. Arunkumar Siva kumar Chairperson BoS, VSB, VIT-AP
- 16 Dr. Benarji Chakka, Chairperson BoS, VSL, VIT-AP
- 17 Dr. Srinivas S Chairperson BoS, SAS, VIT-AP
- 18 Dr. Priyanka Ghosh, Chairperson BoS VISH, VIT-AP
- 19 Dr. Nagarjuna Neella, HoD Dept. of Physics, VIT-AP
- 20 Dr. Ramakanth Illa, HoD Dept. of Chemistry, VIT-AP
- 21 Dr. Jagadish Chandra Mudiganti, Registrar, VIT-AP
- 22 Ms. B M Naga Madhu Latha(22BCE20379), Student Member

The meeting started at 10:00 am.

- The Vice Chancellor and Chairperson of Academic Council, VIT-AP University welcomed all the members of the Academic council. The chairperson informed the council about the new developments and initiatives taken. He has given a detailed presentation on institute growth statistics of infrastructure, students and scholars admitted, students' placements, awards and rewards achieved by the students, research publication, patents published, MoUs signed, research and consultancy project etc.



- Hon'ble Chancellor sir thanked all the member joined for the meeting physically. He expressed heartfelt happiness about increasing strength of studnets in the campus and improvement in the research publication and patent. He insisted on studnets' attendance in the classes and good behavior in the campus. It should be improved with the cooperation of senior faculty members' voluntary leadership and good mentorship by all mentors. He suggested to include the senior faculty members from Vellore or Chennai campus.

The agenda items were taken up after the welcome address.

14.1 Dr. Madhusudhana Rao N, Dean, Academics, moved the following for approval:

1. Ratification of Minutes and Proceedings of 13th Academic Council Meeting.
2. Suggestions and actions taken based on the external report.
3. Curriculum modification for all Integrated M.Tech and B.Tech courses.
4. Introduction of new clubs and chapters

a. Technical Clubs

Torque
Data Science Club
Uniquest
Women Innovators' Network
Entrepreneurship Club
Team Next Nexus
CodeCrux VITAP
Intelligent and Intuitive AI Club

b. Non-Technical Clubs

MANSI: The Voice of Heart
Dragon Fist Martial Arts Club
Nrityam
The Gamers Crib (TGC)
Dhruba club
MAD - MAke A Difference Club
Hallyu Club (Korean Wave Club)
Laetitia - Living Joyful
Leo Club VITAP

c. Chapters

American Chemical Society Students Chapter
Hult Prize VIT-AP Chapter
American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

d. Regional Association

Bihar association
Madhya Bharat Association
Chhattisgarh Association
The Northeast Association
Maharao Rajasthan

5. Change of "Sheradil Club" name to "Manthan: The Churn Within".

Decision: Approved

14.2 Dr. Sudhakar Ilango, Chairperson BoS, SCOPE, moved the following for approval:

1. Revised Curriculum structure (PE basket Updating) of B. Tech CSE with Specialization in Data Analytics, Blockchain, Cyber Security and Software Engineering programs for 2022 Batch.
2. Revised curriculum Structure of Integrated M. Tech Computer Science and Engineering (Collaboration with Virtusa) Programme for 2021 & 2022 Batches
3. New Curriculum structure of B. Tech CSE Core & All Specialization and Integrated M. Tech Software Engineering & Computer Science and Engineering (Virtusa) programs for 2025 batch onwards.
4. New Curriculum structure of M. Tech Computer Science and Engineering (IPT) programme for 2025 batch onwards



5. Ratification of NPTEL Courses offered in the Academic Year 2024-25 and New Courses to be offered in the A.Y 2025-26.
6. Approval of new program Specialization / minor quantum computing for B.Tech program academic year 2025-2026
7. Updated list and New Course of Industrial Certification Courses
8. Existing INC courses – Specialization-wise alignment implemented for elective baskets.
9. INC Courses - Courses to be Discontinued.
10. Updated list of Industrial certification courses.

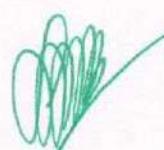
Course Code	Course Title	Ver.	Syllabi Type	Offered To
INCXXXX	Hedera Developer -IDS	1	New	B.Tech

4. Approval of Syllabi of new courses

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
CSEXXXX	Generative AI	1	0	0	1	New	B.Tech CSE and Specialization in AIML

5. Approval of revised Syllabi of courses

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
CSE1006	Foundations of Data Analytics	2	3	2	4	Revised	B.Tech CSE and Specializations
CSE1021	Foundations of Blockchain Technology	2	3	2	4	Revised	B.Tech CSE and Specializations
CSE1022	Introduction to Programming	2	3	2	4	Revised	B.Tech CSE and Specializations
CSE2001	Data Structures and Algorithms	1.2	3	2	4	Revised	B.Tech CSE and Specializations
CSE2003	Requirements Engineering Management	1.1	3	2	4	Revised	B.Tech CSE and Specializations
CSE3002	Artificial Intelligence	4	3	2	4	Revised	B.Tech CSE and Specializations
CSE3013	Secure Group Communications	2	3	2	4	Revised	B.Tech CSE and Specializations
CSE3015	Natural Language Processing	3.1	3	2	4	Revised	B.Tech CSE and Specializations
CSE3019	Software Quality and Reliability	2	3	2	4	Revised	B.Tech CSE and Specializations



CSE4001	Cloud Computing	2	3	2	4	Revised	B.Tech CSE and Specializations
CSE4008	Social Network Analysis	2	3	2	4	Revised	B.Tech CSE and Specializations
CSE4009	Wireless and Mobile Computing	2	3	2	4	Revised	B.Tech CSE and Specializations
CSE4017	Health Care Analytics	2	3	2	4	Revised	B.Tech CSE and Specializations
CSE4019	Applications of Artificial Intelligence	2	3	2	4	Revised	B.Tech CSE and Specializations
CSE4037	Reinforcement Learning	2.1	3	2	4	Revised	B.Tech CSE and Specializations
SWE2001	Data Structures and Its Applications	1.4	3	2	4	Revised	B.Tech CSE and Specializations
CSE0505	Data Visualization and Tools	2	3	2	4	Revised	B.Tech CSE and Specializations
CSE5003	Data Structures	2	3	2	4	Revised	B.Tech CSE and Specializations

6.Approval and ratification syllabi of Course

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
SWE4010	Formal Language and Automata Theory	1	4	0	4	Revised	M.Tech CSE and Specializations

Decision: Approved

14.3 Dr. Umakanta Nanda, Chairperson BoS SENSE, moved the following for approval:

1. New curriculum for B. Tech in ECE (2025 Batch).
2. New curriculum for M. Tech in VLSI Design (2025 Batch).
3. Approval of New syllabi of courses NPTEL/MOOC courses for B.Tech-ECE students

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
ONLXXXX	Fundamental of Nano and Quantum Photonics	1	3	0	3	Revised	B. Tech ECE and Specializations (VLSI)
ONLXXXX	Real-Time Digital Signal Processing	21	3	0	3	Revised	B. Tech ECE and Specializations
ONLXXXX	Automation in Manufacturing	1	3	0	3	Revised	B. Tech ECE and Specializations (EV)



ONLXXXX	Industrial Robotics Theories for Implementation	1	3	0	3	Revised	B. Tech ECE and Specializations (EV)
ONLXXXX	Introduction to Internet of Things.	1	3	0	3	Revised	B. Tech ECE and Specializations
ONLXXXX	Programming in Modern C++	1	3	0	3	Revised	B. Tech ECE and Specializations
ONLXXXX	Deep Learning for Computer Vision	1	3	0	3	Revised	B. Tech ECE and Specializations
ONLXXXX	Introduction to Industry 4.0 and Industrial Internet of Things	1	3	0	3	Revised	B. Tech ECE and Specializations

4. Proposed new course - B. Tech in program elective basket

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
ECEXXXX	Quantum Electronics and Computing	1	3	0	3	New	B.Tech.

5. Proposed Revised courses for B.Tech-ECE Students

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
ECE6006	Digital Synthesis and Static Timing Analysis	2	3	2	4	Revised	B.Tech.

6. Ratification of one course for B. Tech in ECE.

- a. ECE4011- Robotics and Automation in Electric Vehicle Technology Specialization and Minor Basket

7. Ratification of two INC courses for B. Tech in ECE:

- a. INC1052 - IOT - Vision Technologies to be added in IOT and ES specialization basket
- b. INC2031- Maven Silicon to be added in VLSI specialization basket

8. Ratification of one MOOC course of B. Tech in ECE:

- a. ONL4022- CMOS Digital VLSI Design to be added in Minor VLSI basket keeping CMOS VLSI Design as anti-requisite.

9. Ratification of MOOC courses for various specializations/minors.

Decision: Approved

14.4 Dr. Dileep Kumar Mohanthy, Chairperson BoS SMEC, moved the following for approval:

1. Modification of the existing Curriculum for each program

2. Modification of credit system for B. Tech. program

- a. B. Tech. Mechanical Engineering



- b. B. Tech. Mechanical Engineering (Automotive Design)
- c. B. Tech. Mechanical Engineering (Robotics)

Decision: Approved

14.5 Dr. S Srinivas, Chairperson of BoS SAS, moved the following for approval:

1. M.Sc. Data Science Program credits are revised from 71 to 80.
2. B.Sc.-M.Sc. Dual Degree program credits are modified as per the M.Sc. credits highlighted in the previous point. Hence, the revised credits are 202 instead of 193 in the revised curriculum.
3. Approval of new Syllabi of courses

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
MATXXX	Design and Analysis of Algorithms	1	3	2	4	New	B.Sc.-M.Sc. Data Science
MATXXX	Graph Theory	1	4	0	4	New	B.Sc.-M.Sc. Data Science
MATXXX	Complex Analysis	1	4	0	4	New	B.Sc.-M.Sc. Data Science
MATXXX	VECTOR CALCULUS	1	4	0	4	New	B.Sc.-M.Sc. Data Science
MATXXX	Fuzzy Sets and Applications	1	4	0	4	New	B.Sc.-M.Sc. Data Science
MATXXX	CLINICAL TRIALS DESIGN AND ANALYSIS	1	3	2	4	New	B.Sc.-M.Sc. Data Science
MATXXX	Statistical Models for Financial Markets	1	4	0	4	New	B.Sc.-M.Sc. Data Science
MATXXXX	WEB TECHNOLOGIES	1	0	4	2	New	B.Sc.-M.Sc. Data Science

4. Revised syllabi of courses offered to B.Sc.-M.Sc. Dual Degree / M.Sc. Data Science.

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
CSE0503	Concepts of Data Mining	2	3	2	4	New	B.Sc.-M.Sc. Dual Degree / M.Sc. Data Science
CSE0504	Machine Learning and Applications	2	3	2	4	New	B.Sc.-M.Sc. Dual Degree / M.Sc. Data Science
MAT4102	Fundamentals of Data Science	2	3	2	4	New	B.Sc.-M.Sc. Dual Degree / M.Sc. Data Science
MAT4201	Time series analysis and Forecasting	2	3	2	4	New	B.Sc.-M.Sc. Dual Degree / M.Sc. Data Science
CSE0502	Database Essentials for Data Science	2	3	2	4	New	B.Sc.-M.Sc. Dual Degree / M.Sc. Data Science

Decision: Approved

14.6 Dr.Arunkumar Sivakumar Chairperson BoS VSB moved the following for approval:

1. Approval of new syllabi of courses

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
MGTXXX	Accounting and Finance	1	2	0	2	New	B.Sc (Data Science) / B.Com / BBA
MGTXXX	Fundamentals of Supply Chain Analytics	1	2	0	2	New	B.Sc (Data Science) / B.Com / BBA
MGTXXX	Essentials of Artificial Intelligence for Managers	1	3	2	4	New	B.Sc (Data Science) / B.Com / BBA
MGTXXX	Business Practice II – Fintech	1	0	0	3	New	B.Sc (Data Science) / B.Com / BBA

2. Approval of revision syllabi of courses

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
MGT1040	Entrepreneurship	2	3	2	4	Revised	B.Tech

Decision: Approved

14.7 Dr. Banerji Chakka, Chairperson BoS VSL, moved the following for approval:

1. Approval of ratification of syllabi of courses

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
LAW5119	Affirmative Action and Discriminative Justice	1	4	0	4	Ratification	BA, LL.B (Hons) and BBA, LL.B (Hons)
LAW5120	Law, Poverty and Social Justice	1	4	0	4	Ratification	BA, LL.B (Hons) and BBA, LL.B (Hons)
LAW1013	Energy Law and Sustainability	1	3	0	3	Ratification	BA, LL.B (Hons) and BBA, LL.B (Hons)
LAW1029	Basic Law for Engineers	1	3	0	3	Ratification	BA, LL.B (Hons) and BBA, LL.B (Hons)

Decision: Approved

14.8 Dr. Priyanka Ghosh Chairperson BoS VISH, moved the following for approval:

1. Modification to B.A.-M.A. Curriculum

2. Approval of New syllabi of courses New Minor in English for B.A.-M.A. Dual Degree Programme



Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
ENGXXX	Indian Writing in English	1	4	0	4	New	B.A.– M.A. Dual Degree
ENGXXX	Introduction to Literary Theory and Criticism	1	4	0	4	New	B.A.– M.A. Dual Degree
ENGXXX	British Literature 1:14th – 17th Century	1	4	0	4	New	B.A.– M.A. Dual Degree
ENGXXX	British Literature: II:18th -21st Century	1	4	0	4	New	B.A.– M.A. Dual Degree
ENGXXX	Introduction to the Study of English Literature	1	4	0	4	New	B.A.– M.A. Dual Degree
ENGXXX	Introduction to Post Colonial Literature	1	4	0	4	New	B.A.– M.A. Dual Degree
ENGXXX	Introduction to English Language Teaching – B.A Minor	1	4	0	4	New	B.A.– M.A. Dual Degree
ENGXXX	Introduction to English Language Teaching	1	4	0	4	New	B.A.– M.A. Dual Degree
ENGXXX	American Literature	1	4	0	4	New	B.A.– M.A. Dual Degree

3. Approval of the Passing courses for B.A.-M.A. Dual Degree Programme B.A. History

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
HUMXXX	Introduction to Study of Archaeology	1	4	0	4	New	B.A. History
HUMXXX	Economy and Society in Medieval India	1	4	0	4	New	B.A. History
HUMXXX	Constitutional History of India	1	4	0	4	New	B.A. History
HUMXXX	International Political Economy	1	4	0	4	New	B.A. Political Science
HUMXXX	Politics of Development	1	4	0	4	New	B.A. Political Science

4. Passing courses for B.A.-M.A. Dual Degree Programme Value Added Course

HUMXXX - Anthropology and Human Evolution

5. Approval of New Syllabi Passing History, Political Science, Anthropology and Geography New University electives

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
HUMXXX	Constitution of India: Formation and Implementation	1	4	0	4	New	B.A.-M.A. Dual Degree
HUMXXX	Indian National Movement	1	4	0	4	New	B.A.-M.A. Dual Degree
HUMXXX	Political Ideologies	1	3	0	3	New	B.A.-M.A. Dual Degree
HUMXXX	Technology, Society and Political Systems	1	3	0	3	New	B.A.-M.A. Dual Degree
HUMXXX	Archaeology and Heritage Studies	1	3	0	3	New	B.A.-M.A. Dual Degree

HUMXXX	Water and Society	1	3	0	3	New	B.A.-M.A. Dual Degree
--------	-------------------	---	---	---	---	-----	-----------------------

6. Approval of Revised Compulsory English Courses for the School of Law (VSL)

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
ENG1010	Law and Literature	2	4	0	4	Revised	VSL
ENG1007	Law and Language	2	4	0	4	Revised	VSL
ENG5001	Technical and Research Writing	2	1	1	2	Revised	VSL

Decision: *Approved*

14.9 Dr. Nagarjuna Nella, HoD, Dept. of Physics, will moved the following for approval:

1. Approval of New Curriculum for Interdisciplinary Program MSc Energy Science and Technology from 2026-27 academic year.

2. Approval New Courses for syllabi for MSc Energy Science and Technology.

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
PHYXXXX	Foundations of Material Synthesis and Processing	1	4	0	4	New	M.Sc
PHYXXXX	Advanced Characterization for Materials	1	4	0	4	New	M.Sc
PHYXXXX	Electromagnetic Materials	1	3	0	3	New	M.Sc
PHYXXXX	Sophisticated Instruments Lab (research labs)	1	0	2	1	New	M.Sc
PHYXXXX	Functional Nanomaterials	1	4	0	4	New	M.Sc
PHYXXXX	Fundamentals of Electrochemistry and Basics of Batteries	1	4	0	4	New	M.Sc
PHYXXXX	Nanomaterials for Energy Applications	1	4	0	4	New	M.Sc
PHYXXXX	Thermodynamics of energy conversion & Storage	1	4	0	4	New	M.Sc
PHYXXXX	Biomaterials and Applications	1	4	0	4	New	M.Sc
PHYXXXX	Applications of Quantum Mechanics	1	3	0	3	New	M.Sc
PHYXXXX	Scientific Computation	1	3	2	4	New	M.Sc
PHYXXXX	Mathematical Methods for Materials Science & Engineering	1	3	0	3	New	M.Sc
PHYXXXX	Industry Seminars	1	0	4	2	New	M.Sc

3. Ratification of Elective courses syllabi for MSc Physics Program.

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
PHYXXXX	Decarbonization and Recycling- Renewable Energy Technologies	1	3	0	3	New	M.Sc

Decision: *Approved*

15. Dr. Illa Ramakanth, Dept. of Chemistry, will move the following for approval:

1. M.Sc. Chemistry curriculum for academic year 2025-26 Onwards
2. Approval New Courses for syllabi M.Sc. Chemistry Programme Core (PC) courses.

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
CHYXXX	Organometallic and Bioinorganic Chemistry	1	4	0	4	New	M.Sc. Chemistry Programme
CHYXXX	Computational Chemistry	1	4	0	4	New	M.Sc. Chemistry Programme
CHY4103	Main Group and Coordination Chemistry	2	4	0	4	Revised	M.Sc. Chemistry Programme
CHY4206	Organic Reactions and Synthesis	2	4	0	4	Revised	M.Sc. Chemistry Programme

3. Approval New Courses for syllabi M.Sc. Chemistry Programme Elective (PE) courses

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
CHY4303	Chemical Sensors	2	4	0	4	Revised	M.Sc. Chemistry Programme
CHYXXX	Sustainable and Green Chemistry	1	4	0	4	New	M.Sc. Chemistry Programme
CHYXXX	Advanced Organic Synthetic Methods and Catalysis	1	4	0	4	New	M.Sc. Chemistry Programme
CHYXXX	Pericyclic Reactions and Modern Asymmetric Synthesis	1	4	0	4	New	M.Sc. Chemistry Programme
CHYXXX	Advanced Pharmaceutical Chemistry	1	4	0	4	New	M.Sc. Chemistry Programme

3. Approval New Courses for syllabi University Core courses for B.Tech / Int. M.Tech

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
CHY1008	Basic Chemistry and Environmental Studies	2	3	2	4	Revised	B.Tech / Int. M.Tech
CHY1009	Chemistry and Environmental Studies	2	3	2	4	Revised	B.Tech / Int. M.Tech

4. Approval New Courses for syllabi University Elective courses for B.Tech / Int. M.Tech

Course Code	Course Title	Ver.	T	P	C	Syllabi Type	Offered to
CHY1005	Industrial Chemistry for Engineers	2	3	0	3	Revised	B.Tech / Int. M.Tech
CHY1007	Energy Materials and Their Applications	2	3	0	3	Revised	B.Tech / Int. M.Tech

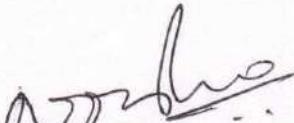
Decision: *Approved*



General Discussion:

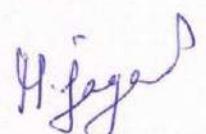
The general observations and recommendations were provided by the external members. The salient points of the discussions are given below.

- Certification courses should be offered in thrust areas like robotics, electric vehicle etc for already graduated people in the past few years.
- Appropriate short-term training should be provided to the students for how to use chatGpt for smart engineering in different fields.
- Publication's standard should be increased by encouraging the new generation scholar to publish in high standard transactions.
- Faculty members should submit more research proposals to government funding agencies to get the funding for high quality research.
- Based on the social changes, focus should be increased on developing new products and enhancement of entrepreneurship for more employment opportunities as per the present day demands.



Dr. Madhusudhana Rao N
Dean Academics

Dean-Academics
VIT-AP UNIVERSITY
Amaravathi-522 237
Andhra Pradesh, India.



Dr. Jagadish Chandra M
Registrar
REGISTRAR
VIT-AP UNIVERSITY
Amaravati - 522237
Andhra Pradesh, INDIA.



Dr. S V Kota Reddy
Vice Chancellor
Vice-Chancellor
VIT-AP University
Amaravathi-522 237
Andhra Pradesh, INDIA