Minutes of the
11th Meeting of the Academic Council
held on
22nd November 2023

VIT-AP UNIVERSITY

VIT-AP
UNIVERSITY

Minutes of the 11ᵗʰ Meeting of Academic Council held on 22ⁿᵈ November 2023 (Wednesday) at 11:00 am in Blended Mode

Venue: Board Room, First Floor, Sarvepalli Radhakrishna Block

Members Present:

1	Dr. S V Kota Reddy, Vice-Chancellor, VIT-AP
2	Dr. M V Kartikeyan, Director of IIIT DM Kancheepuram
3	Dr. Venkatesh Balasubramanian, IIT Madras
4	Mr. Ramana Murthy M. V, Director & Head, Ericsson R&D, B'lore
5	Mr. Srinivasa Gutta, Vice President, Invecas Inc, USA
6	Dr. Sandhya Chintala, Vice President, NASSCOM
7	Dr. Dr. Anthony Xavior, Dean Academics, VIT-Vellore
8	Dr. Madhusudhana Rao N, Dean Academics, VIT AP
9	Dr. Ravindra Dhuli, Dean Research, VIT AP
10	Dr. Ch. Deepak, Controller of Examinations, VIT-AP
11	Dr.Pradeep Reddy CH, Chairperson BoS, SCOPE, VIT- AP
12	Dr. Umakanta Nanda, Chairperson BoS , SENSE, VIT-AP
13	Dr. Pankaj Balakrishna Tambe, Chairperson BoS, SMEC, VIT-AP
14	Dr. Arunkumar Siva kumar Chairperson BoS, VSB, VIT-AP
15	Dr. Benarji Chakka, Chairperson BoS, VSL, VIT-AP
16	Dr. S Srinivas Chairperson BoS, SAS, VIT-AP
17	Dr. Thahiya Afzal, Chairperson BoS VISH, VIT-AP
18	Dr. Lakshmi Sowjanya Pali, HoD Dept. of Physics, VIT-AP
19	Dr. R. Paramasivam, HoD Dept. of Chemistry, VIT-AP
20	Ms. Mohana Naga Madhu Latha (22BCE20379) Student Member
22	Dr. Jagadish Chandra Mudiganti, Registrar, VIT-AP

The meeting started at 11:00 am.

- The Vice Chancellor and Chairperson, VIT-AP University welcomed all the members of the Academic council. The chairperson informed the council about the new developments and initiatives taken. He informed the members about the current and upcoming infrastructure facilities that are provided to cater to students, faculty and research scholars.

- The Founder and Chancellor, Dr. G Viswanathan, addressed the members and stressed the importance of providing quality higher education to aspiring students. He emphasized on the role and responsibility of faculty in students' success in campus placements. He concluded by giving the members the vision and direction to make VIT-AP University, one of the best centers of higher education in the country.

The agenda items were taken up after the welcome address.

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

1. Ratification of Minutes and Proceedings of 10th Academic Council Meeting and action taken report
2. Modification of B.Tech Curriculum Credits Structure as per the **AICTE Curriculum/UGC and NEP2020 guidelines** for B.Tech / B.Tech Hons./ B.Tech with Minor/ B.Tech with Double Major programmes from 2021-22 admitted Batch.

	Programme Type	UC	PC	PE	UE	Total	DYOD Credits	Total Credits
Existing	Single Major	71	36	20	23	150	0	150
	Single Major with Spl. (Hons.)/Minor	71	36	20	23	150	10	160
	Double Major	71	36	20	23	150	20	170
Modification	Single Major	92	36	20	12	160	0	160
	Single Major with Spl. (Hons.)/Minor	92	36	20	12	160	18-20	178-180
	Double Major	92	36	20	12	160	56	216

Curriculum Structure modification

Course Type	Credits	
	Old	Revised
University Core	**71**	**92**
Programme Core	36	36
Programme Electives	20	20
University Electives	**23**	**12**
Total	150	160

Modification of Credits in University Core Basket

University Core	Old	Revised
Projects and Internships	**15**	**24**
Engineering Foundation	16	16
Humanities & Management	**17**	**27**
Technology Foundation	3	3
Basic Science	20	20
Co-/Extra-Curricular	**0**	**2**
Total	71	92

3. Ratification of Additional Arrear Examination: To provide a final chance for graduation, students having one course as backlog are allowed to write special arrear examination to meet the graduation requirement.

4. Modification of Final Assessment Test (FAT)
   - Currently FAT duration is for two hours for 60 marks.
   - Request to approve the FAT to be conducted for 3 hours comprehensive exam for 100 marks from Winter Semester 2023-24.
   - Student should secure minimum of 40 marks out of 100 in the FAT to consider the course, for grading his overall performance in the same. Marks secured by the student in CAT-1, CAT-2, Quiz/Assignments, Lab and Project components will contribute to the grand total marks of the course.
   - Lab component of the courses will be assessed by continuous assessment for 60 marks and final Assessment for 40 marks.

5. Modification of Scheme of Assessment and Evaluation in Examinations

Course Type	Theory only (TH)	Embedded Theory and Lab (ETL)	Embedded Theory and Project (ETP)	Embedded Theory, lab and Project (ETLP)	Lab only (LO)	Project only (PO)	Embedded Lab and Project (ELP)
TPC	303	324	344	264	42	82	62
Item	Marks Weightage	Marks Weightage	Marks Weightage	Marks Weightage	Marks Weightage	Marks Weightage	Marks Weightage
CAT-1	15 (50)	15 (50)	15 (50)	15 (50)	0	0	0
CAT-2	15 (50)	15 (50)	15 (50)	15 (50)	0	0	0
Digital Assignments/ Quizzes	30 (3x10)	30 (3x10)	30 (3x10)	30 (3x10)	0	0	0
Final Assessment Test	40 (100)	40 (100)	40 (100)	40 (100)	0	0	0
Laboratory	0	100 (60:40)	0	100 (60:40)	100	0	100(60:40)
Project	0	0	100	100	0	100	100
Grade Calculation based on credits	As it is	03:01	03:01	02:01:01	As it is	As it is	01:01

6. Modification in Summer Internship/Industry Certification Course- credits:
   Summer internship is one credit course. As per revision of the curriculum credit structure, this course is changed as Summer internship/Industry Certification with two credits. Student can do a one-month summer internship or an industry certification course to earn two credits.

Decision: Approved

11.2 Dr. Pradeep Reddy CH, Chairperson BoS, SCOPE, moved the following for approval:

1. Revised syllabi of courses offered to B.Tech CSE and Specializations and 5 Year Integrated M.Tech Software Engineering and BBA Programme and M.Sc. Data Science

Course Code	Course Title	Ver.	T	P	C	Revision	Offered to
CSE2005	Object Oriented Programming	4.0	3	2	4	Revision	B.Tech CSE and Specializations
CSE4023	Introduction to Block chain Technology	2.0	3	2	4	Revision	B.Tech CSE and Specializations
SWE2005	Concepts of Object Oriented Programming	4.0	3	2	4	Revision	5 Year Integrated M.Tech in Software Engineering
CSE0103	Introduction to Information Systems	2.0	2	2	3	Revision	BBA Programme
CSE0502	Database Essentials for Data Science Deep Learning	2.0	3	2	4	Revision	M.Sc. Data Science Programme

2. New syllabi of course offered to B.Tech CSE and Specialization

Course Code	Course Title	Ver.	T	P	C	New	Offered to
CSEXXX	Algorithmic Game Theory	1.0	3	2	4	New	B.Tech CSE and Specialization
CSEXXX	Computer Vision	1.0	3	2	4	New	B.Tech CSE and Specialization
CSEXXX	Mining Massive Data Sets	1.0	3	2	4	New	B.Tech CSE and Specialization
CSEXXX	Applications of Data Analytics	1.0	3	2	4	New	B.Tech CSE and Specialization
CSEXXX	Blockchain Platforms and Applications	1.0	3	2	4	New	B.Tech CSE and Specialization
CSEXXX	Cloud Computing and Security	1.0	3	2	4	New	B.Tech CSE and Specialization
CSEXXX	Network Intrusion Detection and Prevention System	1.0	3	2	4	New	B.Tech CSE and Specialization
CSEXXX	Software Defined Networks and Network Function Virtualization	1.0	3	2	4	New	B.Tech CSE and Specialization
CSEXXX	Cloud Big Data Analytics	1.0	3	2	4	New	B.Tech CSE and Specialization
CSEXXX	Edge Cyber Security	1.0	3	2	4	New	B.Tech CSE and Specialization
CSEXXX	Design Patterns	1.0	3	2	4	New	B.Tech CSE and Specialization
CSEXXX	Software Verification and Validation	1.0	3	2	4	New	B.Tech CSE and Specialization

3. Ratification of course offered to B.Tech Computer Science and Business Systems (TCS)

Course Code	Course Title	Ver.	T	P	C	New	Offered to
CSE3028	Modern Web Applications	1.0	2	2	3	New	B.Tech Computer Science and Business Systems (TCS)
CSE3030	Image Processing and Pattern Recognition	1.0	3	2	4	New	B.Tech Computer Science and Business Systems (TCS)
CSE3031	Mobile Computing (Ratification)	1.0	3	0	3	New	B.Tech Computer Science and Business Systems (TCS)
CSE4024	IT workshop Skylab/MATLAB	1.0	1	4	3	New	B.Tech Computer Science and Business Systems (TCS)
CSE4030	Usability Design of Software Applications	1.0	2	2	3	New	B.Tech Computer Science and Business Systems (TCS)
CSE4034	Conversational Systems	1.0	3	0	3	New	B.Tech Computer Science and Business Systems (TCS)
CSE4036	Quantum Computation and Quantum Information	1.0	3	0	3	New	B.Tech Computer Science and Business Systems (TCS)

Decision: Approved

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

1. Revised syllabi of courses offered to B.Tech.

Course Code	Course Title	Ver.	T	P	C	Revision	Offered to
ECE4004	Automotive Electrical and Electronics Systems	2.0	4	0	4	Revision	B.Tech
ECE4011	Robotics and Automation	2.0	4	0	4	Revision	B.Tech

2. New syllabi of course offered to B.Tech.

Course Code	Course Title	Ver.	T	P	C	New	Offered to
ECEXXX	Embedded AI and Sensor Interfacing	1.0	0	12	4	New	B.Tech
ECEXXX	Procedural Programming Using C	1.0	2	2	3	New	B.Tech
ECEXXX	Image Analysis and Computer Vision	1.0	3	2	4	New	B.Tech
INCXXX	ISRO Space science and Technology Awareness Training (START)	1.0			2	New	B.Tech

Decision: Approved

11.4 Dr. Bala Krishna Tambe, Chairperson BoS SMEC, moved the following for approval:

1. New syllabi of course offered to B.Tech.

Course Code	Course Title	Ver.	T	P	C	New	Offered to
MECXXX	Mechatronics	1.0	4	0	4	New	B.Tech
MECXXX	Experimental Robotics	1.0	0	4	2	New	B.Tech

Decision: Approved

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

1. Revised syllabi of courses offered to B.Tech and B.Sc. Data Science

Course Code	Course Title	Ver.	T	P	C	Revision	Offered to
MAT1107	Statistics for Data Science	1.1	2	2	3	Revision	B.Sc. Data Science
MAT1001	Calculus for Engineers	2.1	3	2	4	Revision	B.Tech
MAT1002	Applications of Differential and Difference Equations	2.1	4	0	4	Revision	B.Tech
MAT1011	Applied Statistics	3.1	3	2	4	Revision	B.Tech
MAT1014	Fundamentals of Statistics	2.1	3	2	4	Revision	B.Tech
MAT2002	Complex Variables and Partial Differential Equations	1.1	3	0	3	Revision	B.Tech
MAT2004	Applied Optimization Techniques	2.0	3	2	4	Revision	B.Tech
MAT2011	Graph Theory and Applications	2.1	3	0	3	Revision	B.Tech
MAT2005	Linear Algebra	1.3	3	0	3	Revision	B.Tech
MAT1009	Applied Linear Algebra	3.2	4	0	4	Revision	B.Tech

2. New Syllabi of courses offered to B.Sc - M.Sc. Dual Degree programme in Data Science and B.A.-M.A Public Services

Course Code	Course Title	Ver.	T	P	C	New	Offered to
MATXXX	Data Structures using Python.	1.0	3	2	4	New	B.Sc - M.Sc. Dual Degree programme in Data Science
MATXXX	Differential Equations and Transforms Techniques	1.0	4	0	4	New	B.Sc - M.Sc. Dual Degree programme in Data Science
MATXXX	Introduction to Design and Analysis of Algorithms	1.0	2	2	3	New	B.Sc - M.Sc. Dual Degree programme in Data Science
MATXXX	Introduction to Java Programming	1.0	3	2	4	New	B.Sc - M.Sc. Dual Degree programme in Data Science
MATXXX	R for Social Sciences	1.0	3	2	4	New	B.A.-M.A Public Services

Decision: Approved

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

1. Changes to BBA (Honours) and B. Com (Honours -Finance) Programme curriculum for 2023 batches as per NEP

2. Revised syllabi of courses offered to BBA(Hons)/BCom(Hons-Finance).

Course Code	Course Title	Ver.	T	P	C	Revision	Offered to
HUM1107	Cost Accounting	2.0	4	0	4	Revision	BBA/B.Com
MGT3202	Consumer Behavior	3.0	3	2	4	Revision	BBA
MGT2105	Operations and Supply Chain Management	3.0	3	0	3	Revision	BBA
MGT1118	Business Organisation and Management	2.0	3	0	3	Revision	B.Com
MGT1015	Fundamentals of Consumer Behavior	3.0	3	2	4	Revision	B.Tech

3. Ratification syllabi of courses offered to BBA / B. Com (Finance) /B.Tech(All Programs)

Course Code	Course Title	Ver.	T	P	C	Ratification	Offered to
MGT1011	Fundamentals of Business Strategy	1.0	3	0	3	Ratification	B.Tech
MGT1037	Introduction to Management	1.0	3	0	3	Ratification	B.Tech
MGT1123	Business Practice - I Fintech	1.0	0	0	3	Ratification	BBA
MGT1124	Fundamentals of Management	1.0	3	0	3	Ratification	BBA

4.New syllabi of courses offered to BBA(Hons)/BCom(Hons-Finance) (2023 Curriculum)

Course Code	Course Title	Ver.	T	P	C	New	Offered to
MGTXXXX	Corporate Governance and Business Ethics	1.0	3	0	3	New	BBA/B.Com
MGTXXXX	Corporate Law	1.0	3	0	3	New	BBA/B.Com
MGTXXXX	Design and Critical Thinking for Business Strategy and Startups	1.0	2	2	3	New	BBA/B.Com
MGTXXXX	International Trade Theory and Policy	1.0	4	0	4	New	BBA/B.Com
MGTXXXX	Financial Statement Analysis	1.0	2	2	3	New	BBA/B.Com
MGTXXXX	Banking theory and Practice	1.0	3	0	3	New	BBA/B.Com
MGTXXXX	Insurance Products and Regulation	1.0	3	0	3	New	BBA/B.Com
MGTXXXX	Innovative Payment Solutions	1.0	3	2	4	New	BBA/B.Com
MGTXXXX	Team Building and Leadership	1.0	2	2	3	New	BBA/B.Com
MGTXXXX	Financial Derivatives	1.0	4	0	4	New	BBA/B.Com

HUMXXXX	Information System Control and Audit	1.0	4	0	4	New	BBA/B.Com
MGTXXXX	Cryptocurrencies and Blockchain	1.0	4	0	4	New	BBA/B.Com
MGTXXXX	Artificial Intelligence and Machine Language in Finance	1.0	3	2	4	New	BBA/B.Com
MGTXXXX	Personal Financial Planning	1.0	3	2	4	New	BBA/B.Com
MGTXXXX	Financial Econometrics	1.0	3	2	4	New	BBA/B.Com
HUMXXXX	Advanced Financial Management	1.0	4	0	4	New	BBA/B.Com
MGTXXXX	Family Business Management	1.0	4	0	4	New	BBA
MGTXXXX	Business Practice - II Fintech	1.0	0	0	3	New	BBA
MGTXXXX	Corporate Social Responsibility	1.0	3	2	4	New	BBA
MGTXXXX	International Business	1.0	4	0	4	New	BBA
MGTXXXX	Taxation	1.0	4	0	4	New	BBA
MGTXXXX	Employee Relations and Labor welfare	1.0	3	0	3	New	BBA
MGTXXXX	Organisation Change and Development	1.0	3	0	3	New	BBA
MGTXXXX	Training and Development	1.0	3	2	4	New	BBA
MGTXXXX	Logistics and Supply Chain Management	1.0	3	0	3	New	BBA
MGTXXXX	Total Quality Management	1.0	3	0	3	New	BBA
MGTXXXX	HR Analytics	1.0	3	2	4	New	BBA
MGTXXXX	Acquiring and Managing Talent	1.0	4	0	4	New	BBA
MGTXXXX	Strategic and Global HRM	1.0	4	0	4	New	BBA
MGTXXXX	Performance Management and Competency Mapping	1.0	3	2	4	New	BBA
MGTXXXX	Psychometric testing	1.0	3	2	4	New	BBA
MGTXXXX	Human resource information system	1.0	3	2	4	New	BBA
MGTXXXX	Sales Management	1.0	4	0	4	New	BBA
MGTXXXX	Marketing Research	1.0	4	0	4	New	BBA
MGTXXXX	Marketing Analytics	1.0	3	2	4	New	BBA
MGTXXXX	Business to Business (B2B) Marketing	1.0	4	0	4	New	BBA
MGTXXXX	New Product Development	1.0	4	0	4	New	BBA
MGTXXXX	Digital and Social Media Marketing	1.0	3	2	4	New	BBA
MGTXXXX	HR Analytics	1.0	3	2	4	New	BBA
MGTXXXX	Fintech for Business	1.0	3	0	3	New	B.Com
HUMXXXX	Advanced Audit and Assurance	1.0	3	0	3	New	B.Com
HUMXXXX	Income Tax Law and Practice	1.0	4	0	4	New	B.Com
HUMXXXX	Strategic Business Reporting	1.0	4	0	4	New	B.Com
HUMXXXX	Advanced Performance Management	1.0	4	0	4	New	B.Com
HUMXXXX	Strategic Business Leader	1.0	4	0	4	New	B.Com

Decision: Approved

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

1. Ratification syllabi of courses offered to BA, LL.B (Hons) and BBA, LL.B (Hons) 5 years Integrated Course

Course Code	Course Title	Ver.	T	P	C	Ratification	Offered to
LAW2113	Law and Economics	1.0	4	0	4	Ratification	BA, LL.B (Hons) and BBA., LL.B (Hons) 5 years Integrated Course
LAW1008	Intellectual Property Law for Engineers	1.0	4	0	4	Ratification	BA, LL.B (Hons) and BBA., LL.B (Hons) 5 years Integrated Course
LAW2001	Business and Human Rights	1.0	3	0	3	Ratification	BA, LL.B (Hons) and BBA., LL.B (Hons) 5 years Integrated Course
LAW1104	Administration of Criminal Justice System and Human Rights	1.0	3	0	3	Ratification	BA, LL.B (Hons) and BBA., LL.B (Hons) 5 years Integrated Course

Decision: Approved

11.8 Dr. Thahiya Afzal, Chairperson BoS VISH, moved the following for approval:

1. New syllabi of courses offered to B.Tech, and BA-MA Public Services

Course Code	Course Title	Ver.	T	P	C	New	Offered to
HUMXXX	Public Finance	1.0	3	0	3	New	B.A – M.A Public Services
HUMXXX	International Economics	1.0	4	0	4	New	B.A – M.A Public Services
HUMXXX	Gender Economics	1.0	3	0	3	New	B.Tech and Non B.Tech
HUMXXX	Social Economics	1.0	3	0	3	New	B.Tech and Non B.Tech
HUMXXX	Economics of Human Resources	1.0	3	0	3	New	B.Tech and Non B.Tech
HUMXXX	Engineering Economics	1.0	3	0	3	New	B.Tech
HUMXXX	Applied Econometrics	1.0	4	0	4	New	B.Tech

Course Code	Course Title	Ver.	T	P	C	Revision	Offered to
HUMXXX	Indian Administration	1.0	4	0	4	New	B.A – M.A Public Services
HUMXXX	India in the World Affairs	1.0	4	0	4	New	B.Tech and Non B.Tech
HUMXXX	Classical Sociological Theories	1.0	3	0	3	New	B.A – M.A Public Services
HUMXXX	Colonialism and Nationalism in Modern India	1.0	4	0	4	New	BA-MA Public Services
FRLXXX	German for Advanced Learners	1.0	3	0	3	New	B.Tech
FRLXXX	History of 20th Century Germany through Films	1.0	3	0	3	New	B.Tech
HUMXXX	Design Psychology	1.0	3	0	3	New	B.Tech
HUMXXX	Dynamics of Gender Psychology	1.0	3	0	3	New	B.Tech
HUMXXX	Human Factors Psychology	1.0	3	0	3	New	B.Tech
HUMXXX	Synthetic Psychology	1.0	3	0	3	New	B.Tech
HUMXXX	Basic Psychology for Engineers	1.0	3	0	3	New	B.Tech
HUMXXX	Foundations of Psychology	1.0	3	0	3	New	B.Tech
HUMXXX	Workplace Psychology	1.0	3	0	3	New	B.Tech and Non B.Tech

2. Revision syllabi of courses offered to B.Tech and BA-MA Public services

Course Code	Course Title	Ver.	T	P	C	Revision	Offered to
LIB1011	Introduction to Social Inequalities	1.1	3	0	3	Revision	B.Tech
LIB1116	Group Dynamics	1.1	3	0	3	Revision	B.Tech and Non B.Tech
LIB1014	Pursuit of Happiness	1.1	3	0	3	Revision	B.Tech and Non B.Tech
LIB1109	History of Ancient India	1.1	4	0	4	Revision	B.Tech
LIB2004	Ancient Indian History	1.1	4	0	4	Revision	B.Tech

Decision: Approved

11.9 Dr. Lakshmi Sowjanya Pali, HoD, Dept. of Physics, moved the following for approval:
1. Revision syllabi course offered to B.Tech

Course Code	Course Title	Ver.	T	P	C	Revision	Offered to
PHY1010	Fundamentals of Physics	2.0	3	2	4	Revision	B.Tech.

Decision: Approved

11.10 Dr. R Paramasivam, HoD, Dept. of Chemistry, moved the following for approval:

3. Ratification syllabi of course offered to

Course Code	Course Title	Ver.	T	P	C	Ratification	Offered to
CHY4207	Analytical Chemistry Laboratory	1.0	0	4	2	Ratification	M.Sc Chemistry
CHY4208	Analytical Chemistry	1.0	4	0	4	Ratification	M.Sc Chemistry
CHY4301	Interpretive Molecular Spectroscopy	1.0	4	0	4	Ratification	M.Sc Chemistry
CHY4302	Biological and Medicinal Chemistry	1.0	4	0	4	Ratification	M.Sc Chemistry
CHY4303	Chemical Sensors	1.0	3	0	3	Ratification	M.Sc Chemistry

Decision: Approved

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

The external members suggested the following points

1. The Generative AI and its Applications and Quantum computing should be included in the curricula of Engineering programmes through elective courses to meet the industry needs.
2. The courses should emphasize the course outcome(s) and the proper pedagogy should be maintained in the content delivery of the courses. Ratio of core to elective courses should be increase to offer more elective courses.
3. Industry experts should also be included in the BoS.
4. Major and Minor projects repository should be maintained such that the students to take up the innovate projects for the curriculum requirements. Research publications in SCI journal should be encouraged.

The meeting ended at 01:00 pm after vote of thanks by the Registrar.

Dr. Madhusudhana Rao N
Dean Academics

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

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

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