

**VELAGAPUDI RAMAKRISHNA
SIDDHARTHA ENGINEERING COLLEGE
(AUTONOMOUS)
VIJAYAWADA – 520 007**

Minutes of the **31st Meeting of the Academic Council** held at
10.30 AM on 24th June, 2023, Saturday.

Dr. A. V. Ratna Prasad, Principal of the College & Chairman, Academic Council,
chaired the meeting and extended a warm welcome to the members of the Committee.

Members Participated:

Sl.No.	Name & Designation	Position
1.	Dr.A.V.Ratna Prasad Principal, VRSEC	Chairman
2.	Dr.K.V.S.G. Murali Krishna Professor in CE Dept. Director, Academic Planning, JNTUK, Kakinada.	University Nominee
3.	Dr. B. Bala Krishna Professor in ME Dept. & Director of Evaluation JNTUK, Kakinada	University Nominee
4.	Dr. N. Siva Prasad (online) Former Pro- Vice Chancellor Gitam School of Technology, Hyderabad.	Expert -Education
5.	Sri. D. Ramakrishna (online) MD. Efftronics Systems Pvt. Ltd. Vijayawada	Expert - Industry
6.	Dr. B. Panduranga Rao Dean, (Student affairs)	Member
7.	Dr.Ch.Srinivas Prof. & HOD of CE and Dean (Industry Relations)	Member
8.	Dr.N.Vijaya Sai Prof. & HOD ME and Dean (Academics & Exams)	Member
9.	Dr.D.Rajeswara Rao Prof. of CSE & HOD	Member
10.	Dr. D. Venkata Rao Prof. of ECE & HOD	Member

Sl.No.	Name & Designation	Position
11.	Dr. A. Rama Devi Prof. of EEE & HOD I/c	Member
12.	Dr.G.N.Swamy Prof of EIE & HOD	Member
13.	Dr.M.Suneetha Prof. of IT & HOD	Member
14.	Dr. S. Srinivasa Rao Assoc. Prof. of Chemistry & HOD	Member
15.	Dr. Ch. Baby Rani Asso. Prof. of Maths & HOD, In-charge S & H - II	Member
16.	Dr. G.Sri Devi Asso. Prof. of Physics & HOD	Member
17.	Dr. B. Neelambaram Asst. Prof. of English & HOD I/c. (online)	Member
18.	Dr. K. Narenddra, Assoc. Prof. of Physics & Incharge S & H – I	Member
19.	Dr. B. Raghava Rao, Professor of ME & In-charge Academics (1 st B.Tech)	Member
20.	Dr. P. Rajasekhara Mouli Prof. & HOD of MBA	Member
21.	Dr. V. E. Jyothi I/c. HOD of MCA	Member
22.	Dr. T.S.R. Chowdary Prof. of CE & COE I/c.	Teacher Member
23.	Dr. A. Jhansi Rani Prof. of ECE	Teacher Member
24.	Dr. N. Ravi Kumar Prof. of ME	Teacher Member
25.	Dr. B. V. Rao Asso. Prof. of EEE	Teacher Member
26.	Dr.M.V.S. Raju Prof. of CE & Dean R & D and IQAC	Member Secretary

Members Not Participated:

Sl.No.	Name & Designation	Position
1.	Dr. K. V. Ramana Prof. in CSE & Rector , JNTUK	University Nominee
2.	Sri. Ch. Janaki Ram Prasad Kakinada	Expert - Industry

Sl.No.	Name & Designation	Position
3.	Sri.J.S.R.K.Prasad MD., Better Castings, Vijayawada	Expert – Industry
4.	Sri.K R K Raju, Chief Project Manager, RVNL, Vijayawada.	Expert – Industry
5.	Sri Ch.Sripathi Rao, Advocate Vijayawada	Expert – Law

The following agenda items were discussed and deliberated upon

Item-1 To confirm the minutes and the action taken report on the minutes of the previous Academic Council meeting held on 20-10-2022.

Academic Council confirmed the following minutes and action taken report on the minutes of the previous meeting.

- Issue of Provisional Certificates for the Passed out Candidates of UG & PG Programmes by the college (June, July and Aug 2022 examinations).
✓ **Action taken: Provisional Certificates issued to the candidates.**
- Minimum number of credits required for the transitory candidates who joined in VR17 regulations and later re-joined in VR20 regulations (due to detention/break in study) for promotion to V/VII semesters.
✓ **Action taken: Implemented.**
- Additional and exempted subjects for the transitory candidates (VR17 to VR20 regulations) and total number of required credits for the award of degree.
✓ **Action taken: Implemented.**
- Another opportunity to register for Minor and Honor Programmes for the B.Tech students who have not registered due to lack of awareness.
✓ **Action taken: Implemented.**
- Modification in Internal Assessment pattern (VR20 Regulations) for B.Tech students admitted from the academic year 2022-23.
✓ **Action taken: Implemented.**
- Introduction of more self-learning Courses in M.Tech Programme from the Academic year 2022-23.
✓ **Action taken: Introduced.**
- Academic Calendar of 2nd year UG & PG programmes for 2022-23.
✓ **Action taken: Implemented.**

Item-2 To present the National Rankings & Ratings of the college for the year 2023.

Dr. A.V.Ratna Prasad, Principal presented the National Rankings & Ratings of the College for the year 2023 with the comparison of previous years for the information of the members.

Ranking Agency	2023	2022	2021	2020	2019	2018
NIRF (MOE, GOI)	151-200	141	178	156	171	151-200
NIRF – Innovation (ARIIA)	51-100	--	Excellent Band	Band A Institute (Rank between 6 to 25)	--	--
India Today	112	115	112	117	110	112
Data Quest	13	14	20	31	--	31
Careers 360	AAAA	AAAA	AAAA	AAA+	AAA+	AAA+
Education World	41	53	61	53	62	81

Item-3 To consider and approve the issue of Provisional Certificates for the passed out candidates of B.Tech Regular - 2022-23 and M.Tech Regular 2021-22, B.Tech, M.Tech, MBA & MCA candidates who completed their UG & PG degrees in supplementary examinations.

Dr. A.V. Ratna Prasad, Principal presented the list of passed out students of B.Tech Regular - 2022-23 and M.Tech Regular 2021-22, B.Tech, M.Tech, MBA & MCA candidates who completed their UG & PG degrees in supplementary examinations for whom provisional certificates (Total -1255) are to be issued as per the guidelines of the University for approval.

- ✓ *The Academic Council unanimously approved the B.Tech Regular - 2022-23 and M.Tech Regular 2021-22, B.Tech, M.Tech, MBA & MCA candidates who completed their UG & PG degrees in supplementary examinations as per the details given below.*

BRANCH	MCA Nov-2018 (MCA15) (158WIF0017-Pending Pc) Supple M.Tech Feb-2023 (VR10) (Jntuk Project Viva) Supple	M.Tech (MTech19) Regular & Supple MBA (MBA19) & MCA (MCA15, MCA19 & MCA20) Supple Sept/Dec-2022 & Jan/Apr-2023	B.Tech (VR14 & VR17) Supple Nov-2022	B.Tech (VR17) Regular (2019-Batch) Apr-2023	B.Tech (VR14 & VR17) Supple Apr-2023	TOTAL
CE			17	141	9	167
CSE			3	202	1	206
ECE			7	262	2	271
EEE			6	123	3	132
EIE			10	86	5	101
IT			2	133	2	137
ME			18	159	9	186
CESE		13				13
CEGT		9				9
CSCS		4				4
ECSP		2				2
VLSI		3				3
EEPS		4				4
ITDS	1	5				6
MECC		2				2
MBA		2				2
MCA	1	9				10
TOTAL	2	53	63	1106	31	1255

Note: Details are placed in College website and also available in examination cell of the College.

Item-4 To consider and approve the B.Tech outgoing batch Results 2019-23 and M.Tech- 2020-22.

Dr.A.V.Ratna Prasad, Principal presented the following **results of B.Tech outgoing batch 2019-2023 & M.Tech 2020-22** and *the Academic Council approved the same.*

Details	B.Tech	M.Tech
Number of students appeared	1221	40
Number of students passed out	1106	40
First class with distinction	587	26
First class	469	14
Second class	50	--
% of pass	90.58	100

Item:5 To consider and approve the semester end examination results of B.Tech, M.Tech, MBA, MCA examinations held from August 2022 to April - 2023.

Dr.A.V.Ratna Prasad, Principal presented the following semester end examination results of B.Tech, M.Tech, MBA, MCA examinations held from August 2022 to April – 2023 and *the Academic Council approved the same.*

Details	Regulations	Academic Year	B.Tech
B.Tech I semester	VR20	2022-23	73.92%
B.Tech II semester	VR20	2021-22	73.18%
B.Tech III semester	VR20	2022-23	78.51%
B.Tech V semester	VR20	2022-23	89.44%
B.Tech VII semester	VR17	2022-23	94.93%
B.Tech VIII semester	VR17	2022-23	98.44%
B.Tech IV semester – Honors & Minors	VR20	2022-23	98.29%
B.Tech V semester – Honors & Minors	VR20	2022-23	98.84%

Details	Regulations	Academic Year	B.Tech
M.Tech I semester	M.Tech 19	2022-23	64.71%
M.Tech II semester	M.Tech 19	2021-22	92.86%
M.Tech III semester	M.Tech 19	2022-23	78.57%
M.Tech IV semester	M.Tech 19	2021-22	93.75%
MBA I semester	MBA 19	2022-23	96.92%
MBA II semester	MBA 19	2021-22	93.94%
MBA III semester	MBA 19	2022-23	95.45%
MCA I semester	MCA 20	2022-23	81.54%
MCA II semester	MCA 20	2021-22	100%
MCA III semester	MCA 20	2022-23	87.50%

Item: 6 To present the student placements for the academic year 2022-23.

Dr. A.V.Ratna Prasad, Principal presented the student Placements of current Academic Year 2022- 2023 as on **15-06-2023** for the information of members of the Academic Council.

No. of Companies visited:	102
Total number of placements:	1172
Total No of Students Placed	819
• 2.5 to 4 LPA :	537
• ≥ 4 LPA :	407
• ≥ 6 LPA :	125
• ≥ 8 LPA :	10
• ≥ 10 LPA :	20
• ≥ 20 LPA :	09

Item: 7 To consider and approve M.Tech, MBA & MCA 23 regulations.

Dr. A.V.Ratna Prasad, Principal presented the salient features of proposed **M.Tech , MBA & MCA – 23 regulations** to be implemented w.e.f. 2023-24 for approval.

Regulation	M.Tech23	MBA 23	MCA 23
Duration	2 yrs (4 sem)	2 yrs (4 sem)	2 yrs (4 sem)
Total Credits & Credits to be earned for award of degree	70	100	80
Semester end assessment	60	60	60
Continuous Evaluation	40	40	40

Method of awarding Letter Grades and Grade Points for a Course

Grading System for Individual Theory/Lab/Project

Theory	Lab/Project	Grade Points	Letter Grade
90% and above	90% and above	10	Ex
80 to < 90%	80 to < 90%	9	A+
70 to < 80%	70 to < 80%	8	A
60 to < 70%	60 to < 70%	7	B
50 to < 60%	55 to < 60%	6	C
40 to < 50%	50 to < 55%	5	D
< 40%	< 50%	0	F (Fail)
ABSENT	ABSENT	0	AB

Award of Division

Criteria for the Award of Division

CGPA	DIVISION
≥ 7.75	*First Class with Distinction
≥ 6.75	First Class
$\geq 5.75 - < 6.75$	Second Class
$\geq 5.00 - < 5.75$	Pass class
< 5.00	Fail

- * Awarded only if all the courses prescribed or cleared in single attempt with in two years.
- * The cases of students who are absent for semester end examination only once in his / her duration of M.Tech programme on valid medical grounds / humanitarian grounds will also be considered for the award of first class with distinction subject to the recommendations of the committee constituted by the Principal.
- * Detained, Break-in study and supplementary candidates are not eligible for the award of First Class with Distinction.
- * Candidates opted for Extension of Project work Part – A & Part – B are also not eligible for award of First class with Distinction in M.Tech Programme.

M.Tech Programme Structure (M.Tech 23 Regulation)

S. No	Category of courses	M.Tech 19		M.Tech 23	
		No of Courses	Credits	No of Courses	Credits
1	Programme Core	06	18	06	18
2	Programme Electives	04	12	04	12
3	Programme Lab	04	06	04	06
4	Mandatory Learning Course	01	--	01	--
5	Audit Course	01	--	01	--
6	Term Paper	01	01	01	01
7	Internship	01	02	01	02
8	Project	02	26	02	26
9	Capstone Project 1 & 2	--	--	02	02
10	Self learning Course	01	03	01	03
Total Credits			68		70

Proposed Revisions in M.Tech 23 Regulations

S. No.	Type of Course	M.Tech 19	M.Tech 23
1	Integrated course	--	<p>At least one theory course in both I & II semesters can be made as an integrated course (Theory coupled with Laboratory).</p> <ul style="list-style-type: none"> ➤ a) For the integrated course, the internal evaluation shall be made based on the two midterm examinations, each of 25 marks with a duration of 90 minutes without any choice. ➤ b) The laboratory part of the integrated course shall be assessed for 15 marks.

S. No.	Type of Course	M.Tech 19	M.Tech 23
2	self-learning courses in each of the First and Second semesters.	--	<ul style="list-style-type: none"> ➤ Maximum of three theory courses (40% of courses) can be offered as self-learning courses in each of the First and Second semesters. ➤ Students can register and complete the opted course in approved MOOCs platform. ➤ In case a student fails to complete the MOOCs course offered by MOOCs providers, he/she may be allowed to register again in the subsequent semester for the same course. ➤ If the same course is not offered in MOOCs platform in the subsequent semester, student can register for equivalent course as suggested by BOS.
3	Term Paper	Term paper/Seminar – Presentation on advanced topics relevant to the programme.	Students should carry out a literature survey of the selected problem and present it in a Seminar for the year-long Project Work under Term Paper.
4	Capstone Project 1	--	Students have to carry out a project applying the knowledge and hands-on technical skills they have gained through coursework and lab sessions in Semester-I under Capstone Project 1
5	Capstone Project 2	--	Students have to carry out a project applying the knowledge and hands-on technical skills they have gained through coursework and lab sessions in Semester-II under Capstone Project 2

MBA Programme Structure (MBA23 Regulation)

S.No.	Category of courses	MBA19		MBA23	
		No of Courses	Credits	No of Courses	Credits
1	Core Courses	18	54	20	60
2	Marketing Specialization	06	18	04	12
3	Finance / HR	04	12	04	12
4	Lab Courses	02	06	02	06
5	Major Project	01	03	01	03
6	Comprehensive Viva	01	03	01	03
7	Personality Development, startup business plan and Soft Skills	03	03	02	02
8	MOOCS/ VRSEC certifications	--	--	02	02
9	Theatre Techniques	01	01	--	--
Total Credits			100		100

Proposed Revisions in MBA 23 Regulations

S. No.	Parameter	MBA19 Regulations	MBA23 Regulations
1	Introduction of new courses	--	<ul style="list-style-type: none"> • Business Analytics • Innovation Management • Digital Marketing • Rural Marketing
2	Self learning courses/ VRSEC certifications	--	<ul style="list-style-type: none"> • Two MOOCs courses or VRSEC Certifications are offered.
3	Major Project	--	Student paper publication is mandatory.

MCA Programme Structure (MCA23 Regulation)

S.No	Category of courses	MCA20		MCA23	
		No of Courses	Credits	No of Courses	Credits
1	Humanities and Social Sciences	01	03	01	03
2	Programme Core	12	42	12	40
3	Programme Electives	03	09	03	09
4	Lab Courses	08	12.5	09	13.5
5	Term Paper	--	--	01	01
6	Project	02	13.5	02	13.5
7	Personality Development Courses	02	--	02	--
Total Credits			80		80

Proposed Revisions in MCA23 Regulations

S. No.	Parameter	MCA20 Regulations	MCA23 Regulations
1.	Term Paper	--	The Student shall collect the literature on a topic and critically review the literature and submit it to the Department in a report form at the end of the semester under the supervision of Departmental Review Committee.
2.	Programme Elective Lab	--	The following New Lab courses are introduced under Programme Elective Lab Course in II Semester <ul style="list-style-type: none"> ➤ Data Mining Lab ➤ Object Oriented Analysis and Design Lab ➤ Dot NET Lab

The Academic Council **unanimously resolved to approve** the M.Tech, MBA, MCA 23 regulations presented by the Principal to be implemented w.e.f. 2023-24 except conduct of supplementary examinations in every semester along with regular examinations.

*It is resolved to send an appeal to JNTUK for **approval to conduct supplementary** examinations for PG students in every semester along with regular examinations.*

Item: 8 To propose the revision of curriculum of first year B.Tech w.e.f. 2023-24 (VR23) in line with NEP-2020 and with minor changes as per the requirement and needs of stakeholders.

Dr. A.V. Ratna Prasad, Principal proposed the following changes in the curriculum of first year B.Tech w.e.f. 2023-24 (VR23) **in line with NEP-2020** as per the requirement and needs of stakeholders for information of the members.

Composition of I year I semester:

S. No	Category	Proposed Regulation	
		No of Courses GROUP A/ GROUP B	No of Credits GROUP A/ GROUP B
1	Basic Sciences	04/03	9.5/7.5
2	Engineering Sciences	03/06	7.5/13
3	Humanities & Social Sciences	02/--	3.5/--
4	Mandatory Courses	01/01	--/--
	Total	10/10	20.5/20.5

Composition of I year II semester:

S. No	Category	Proposed Regulation	
		No of Courses GROUP A/ GROUP B	No of Credits GROUP A/ GROUP B
1	Basic Sciences	03/04	7.5/9.5
2	Engineering Sciences	06/03	13/7.5
3	Humanities & Social Sciences	--/02	--/3.5
4	Mandatory Courses	01/01	--/--
	Total	10/10	20.5/20.5

Proposed New Courses:

S.No.	Proposed New Course (VR23)	Category	Credits
1	Biology for Engineers	Basic Sciences	02
2	Innovation & Idea Lab	Engineering Sciences	01
3	Essence of Indian Knowledge Tradition	Mandatory Courses	--

Total Credits : 160 only**1. Proposed to introduce multiple entry and multiple exit facility for B.Tech programme.**

- a) No of Credits to be completed
- b) Courses to be finalized to exit at 2nd year/ 4th semester (or) 3rd year / 6th semester of B.Tech Programme.

Item: 9 To consider and approve the conduct of compensatory sessional examinations for those students who participated in important curricular, co-curricular, extra- curricular activities with prior permission of the authorities.

Dr. A.V. Ratna Prasad, Principal presented the following proposal to conduct compensatory sessional examinations for those students who participated in important curricular, co-curricular, extra- curricular activities with prior permission of the authorities for approval ***w.e.f odd semester of 2023-2024.***

Compensatory Sessional Examination:

Compensatory Sessional Examinations will be conducted for those students who are absent for the Sessional examination due to participation in important curricular, co-curricular, and extracurricular activities.

Students, who have sought prior permission from the concerned HOD through proper channel, and thereafter permitted by the college for taking part in important curricular/ co-curricular/ extra-curricular activities like NCC/NSS/Sports/ Cultural/ Project Competitions/ Hackathons/ Technical events at University/ State/ National/ International levels/Off–Campus Placements.

After such an event, at the time of reporting to the College, the student must submit the proof of participation/ certificate from the competent authority for approval of the prior leave request. The prior leave request will then be converted to official leave and an endorsement will be issued by the Committee, based on which the student becomes eligible for the Compensatory Sessional Exam.

Any intimation after the completion of regular TESTs and/or Non-submission of the certificate will not be considered for sessional examinations. Student will be awarded ZERO marks in the respective TESTs. No further requests will be entertained in this regard.

The committee headed by the Principal and two professors as members will scrutinize the request of the student, if genuine, the prior leave request will be converted into official leave.

The Compensatory Sessional Exam is not to be treated as an improvement TEST, rather it is treated as an opportunity provided to students to avoid academic loss due to the reasons cited above.

- ✓ ***The Academic council unanimously resolved to approve the said proposal to conduct compensatory sessional examinations as per the above conditions w.e.f odd semester of 2023-2024.***

Item: 10 To consider and approve the Academic Calendar for the year 2023-24.

Dr. A.V. Ratna Prasad, Principal presented the proposed UG & PG academic calendars for the year 2023-24 ***and academic council approved the same.***

UG - Academic Calendar for the year 2023-2024:

3rd, 4th, 5th, 6th, 7th & 8th semesters of B.Tech

PG Academic Calendar for the Academic Year 2023-2024

3rd, 4th semesters of M.Tech, MBA & MCA

Item: 11 To Consider and ratify the nominations of two subject experts for B.Tech – CSE (AI & ML) from outside the parent university to the Board of Studies (BOS).

Dr. A.V. Ratna Prasad, Principal informed that the following subject experts are nominated as members of BOS for B.Tech – CSE

(AI & ML) programme for the academic years 2022-23 & 2023-24, and they have attended the BOS meetings during 2022-23 and requested the academic council to approve the same.

1. Dr. R. Rajeswara Rao,
Professor, Dept of CSE & Vice – Principal, JNTUK,
UCEV, Vizianagaram
Email: viceprincipal@jntukucev.ac.in
Mobile: 08922277918

2. Dr. M.R. Narasinga Rao
Professor, Dept of CSE
GITAM University, Visakhapatnam
Email: rmanda@gitam.edu
Mobile: 9951309767

✓ ***The Academic Council ratified the nominations of above members as subject experts for Board of Studies of B.Tech – CSE (AI & ML) programme.***

Item: 12 To present and ratify the minutes of the BOS meetings held in May/June-2023.

Dr. A.V. Ratna Prasad, Principal presented the following minutes of the BOS meetings for ratification ***and academic council ratified the same.***

BOS minutes of Engineering Departments.

- Approved Final year of B. Tech curriculum (VR 20) to be implemented from the academic year 2023-2024 for the batches of students admitted into first-year B.Tech from 2020-2021 onwards.
- Approved the proposed Academic calendars for B.Tech 2023-2024.
- Discussed and approved M. Tech 23 academic regulations and the scheme of instructions for all semesters.
- Discussed about Innovative Teaching & Continuous Evaluation.
- Presented the academic achievements of the faculty and students for the academic year 2022-2023.
- Discussed and approved the MOOCs Courses to be offered during the academic year 2023-2024 for the Electives of B.Tech & M.Tech.
- Approved the proposed Academic Calendar for 2023-24.
- Approved the new academic regulations and course structure, for MBA23 from the academic year 2023-2024.

- Approved the MBA I and II Semester's syllabi.
- Discussed and approved Academic Regulations and Scheme of Instruction (I to IV Semesters) of Two Year MCA Programme w.e.f. 2023-24 under MCA23 Regulations.
- Discussed and approved the Syllabus of I Semester of Two Year MCA Programme w.e.f. from 2023-24 under MCA23 Regulations.
- Discussed and approved the MOOCs Courses to be offered during the academic year 2023-24 for Elective-III of Semester IV under MCA20 Regulations.

Item: 13 Any other point with the permission of the Chair.

Dr. A.V. Ratna Prasad, Principal presented the following amendment in continuation evaluation test pattern **(9.2.1.1 of VR 20 Regulations)** for students who are entering into second year B.Tech (Regular & LE) from the academic year 2023-24.

Test	Marks	Duration	Syllabus
Class Test- I	10	45 Minutes	Unit – I
Sessional- I	15	75 Minutes	Unit – I & Unit - II
Class Test -II	10	45 Minutes	Unit - III
Sessional II	15	75 Minutes	Unit – III & Unit - IV
Home Assignment/ Presentation / Group Task	05		
Total	30 Marks		

Weightage:

For class test and sessional examinations, 2/3rd weightage in which students scores more marks and 1/3rd in which students scores less marks.

After discussions the academic council resolved to approve the above amendment.

Dr. A.V. Ratna Prasad, Principal of the college & Chairman, Academic Council thanked all the members for their active participation and constructive suggestions.


(Dr. M.V.S. Raju)
Member Secretary,
Academic Council &
Dean (R&D, IQAC)


(Dr. N. Vijaya Sai)
HOD ME & Dean
(Academics & Exams)


(Dr. A.V. RATNA PRASAD)
Chairman, Academic Council
& PRINCIPAL