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VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade
NBA Accreditation for B.Tech. CE, EEE, ME, ECE, CSE, EIE, IT, AE Programmes and
M.Tech. STRE, PE, AMS, SWE Programmes
Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF 113th Rank in Engineering Category
Recognized as "College with Potential for Excellence" by UGC
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MINUTES OF THE MEETING OF 17TH ACADEMIC COUNCIL (AC) HELD ON MAY 27TH, 2023 AT 11.30 A.M. ONWARDS IN THE BOARD ROOM OF PATRON'S BHAVAN AT VNRVJTI, PRAGATHI NAGAR, HYDERABAD

MEMBERS PRESENT

- 1) Dr. C. D. Naidu, Principal & Chairman
- 2) Dr. B. Chennakesava Rao, Director for Advancement and Dean, Admin
- 3) Dr. K. Anuradha, Dean, Academics & Member Secretary
- 4) Dr. K. Ramujee, Dean, Examinations & Evaluation, Member
- 5) Dr. Y. Padma Sai, Dean, Student Progression, Member
- 6) Dr. A. Mallika, HOD/CE, Member and Chairman, BoS/CE
- 7) Dr. Poonam Upadhyay, HOD/EEE, Member and Chairman, BoS/EEE
- 8) Dr. B. Satyanarayana, HOD/ME, Member and Chairman, BoS/ME
- 9) Dr. S. Rajendra Prasad, HOD/ECE, Member and Chairman, BoS/ECE
- 10) Dr. S. Nagini, HOD/CSE, CSBS, Member and Chairman, BoS/CSE
- 11) Dr. N. Sandhya, HOD/CSE (AI&ML,IOT), Member and Chairman, BoS/CSE(AI&ML,IOT)
- 12) Dr. M. Rajasekhar, HOD/CSE (DS,CYS), AI&DS, Member and Chairman, BoS/CSE(DS,CYS)
- 13) Dr. R. Manjula Sri, HOD/EIE, Member and Chairman, BoS/EIE
- 14) Dr. D. Srinivasa Rao, HOD/IT, Member and Chairman, BoS/IT
- 15) Dr. T. Srinivasa Rao, HOD/AE, Member and Chairman, BoS/AE
- 16) Dr. T. Jayashree, HOD/H&S, Member
- 17) Mr. M. V. Samuel, I/c Head, Training & Placement, Member
- 18) Dr. G. Ramesh Chandra, Head RCC, Member
- 19) Dr. B. Narendra Kumar, Professor/CE, Member
- 20) Mrs. Y. Bhanusree, Asst. Prof./CSE, & Coordinator, IQAC and Academic Audit Cell, Member
- 21) Dr. M. Rama Manohara Babu, Expert from Industry/**R&D/Engg./Education**, Member
- 22) Dr. A. Vasana, Expert from Industry/**R&D/Engg./Education**, Member
- 23) Dr. Venu Gopal A., Expert from Industry/**R&D/Engg./Education**, Member
- 24) Dr. M. Manzoor Hussain, Nominee of the University, JNTUH, Member
- 25) Dr. D. Srinivasa Rao, Nominee of the University, JNTUH, Member
- 26) Dr. K. Manjula Vani, Nominee of the University, JNTUH, Member
- 27) Sri. B. V. Krishna Rao K., Former Secretary, SBTET, Member
- 28) Dr. Y. Shivraj Narayan, Coordinator, Academics, Member

MEMBERS ON LEAVE

- 29) Dr. A. Subhananda Rao, Director, R&D, Member
- 30) Dr. D. Pardhasaradhi, Head, Training & Placement, Member

- 31) Dr. P. Subba Rao, Expert from **Industry**/R&D/Engg./Education, Member
32) Dr. S. Venkateswara Rao, Expert from Education, Member

Dr. K. Anuradha, Dean, Academics welcomed the members to the 17th meeting of Academic Council held on May 27th, 2023 at VNRVJiet and requested the Chairman, Academic Council to preside over the meeting.

Dr. C.D. Naidu, Principal and Chairman, Academic Council, VNRVJiet initiated the proceedings of the 17th meeting of Academic Council by welcoming the members and apprising them about the achievements of VNRVJiet. Thereafter, formal agenda items were taken up and the following matters were considered, deliberated and decisions taken are as under:

17.1 Confirmation of the minutes of 16th meeting of Academic Council held on November 22nd, 2022

- Minutes of 16th meeting of Academic Council held on November 22nd, 2022 were presented by Dr. C.D. Naidu, Chairman, AC and the same were endorsed.
- Dr. K. Anuradha, Dean, Academics & Member Secretary apprised the council that actions have been taken / initiated for the agenda items of 16th Council meeting as per the suggestions provided by council members.

17.2 Action taken on the minutes of 16th meeting of Academic Council held on November 22nd, 2022

- A copy of the Action Taken Report against the minutes of 16th meeting of Academic Council held on November 22nd, 2022 is enclosed for reference in **Annexure-I**.

17.3 Revision of course structure and detailed syllabi of B.Tech. II year programs under B.Tech. CBCS R22 Academic Regulations for the batches admitted from the academic year 2022-2023 onwards

- BoS approved B.Tech. four year course structures and detailed syllabi of the following B.Tech. II year programmes to be offered under B.Tech. Choice Based Credit System (CBCS) R22 academic regulations for the batches admitted from the academic year 2022-2023 onwards were presented by the Chairman of the respective Board of Studies before the Council for approval.
 - ✓ B.Tech. (Civil Engineering)
 - ✓ B.Tech. (Electrical & Electronics Engineering)
 - ✓ B.Tech. (Mechanical Engineering)
 - ✓ B.Tech. (Electronics & Communication Engineering)
 - ✓ B.Tech. (Computer Science & Engineering)
 - ✓ B.Tech. (Electronics & Instrumentation Engineering)
 - ✓ B.Tech. (Information Technology)
 - ✓ B.Tech. (Automobile Engineering)
 - ✓ B.Tech. (Computer Science & Business Systems)

- ✓ B.Tech. CSE (Artificial Intelligence and Machine Learning)
 - ✓ B.Tech. CSE (Internet of Things)
 - ✓ B.Tech. CSE (Data Science)
 - ✓ B.Tech. CSE (Cyber Security)
 - ✓ B.Tech. Artificial Intelligence and Data Science
- Council approved the revised course structures and detailed syllabi of the aforementioned B.Tech. II year programmes under B.Tech. CBCS R22 academic regulations as indicated in **Annexure-II** along with the following suggestions.
- **B.Tech. Civil Engineering:**
- Dr. A. Mallika, HoD and Chairman, BoS (Civil Engineering) presented the highlights of B.Tech. II year Civil Engineering curriculum under B.Tech. R22 academic regulations. Following suggestions were given by Council members:
- Dr. Vasan, Expert Member from BITS Hyderabad: To check the L-T-P structure for Computer Aided Design Studio course of B.Tech. VI semester as tutorial hour comes along with lecture hour
- Dr. Manjula Vani, University Nominee, JNTU Hyderabad: To check the credits of Engineering Geology course of B.Tech. V semester
- Dr. Venu Gopal, Expert Member from NIT Warangal: To check the possibility of pursuing the VIII semester courses in online mode in case the students goes for an internship
- Dr. C.D. Naidu, Chairman, AC: To allow students who go for full-time internship in B.Tech. VIII semester to pursue courses online
- Dr. D. Srinivasa Rao, University Nominee, JNTU Hyderabad: To check for the above possibility with University approval.
- **B.Tech. Electrical and Electronics Engineering:**
- Dr. Poonam Upadhyay, HoD and Chairman, BoS (Electrical & Electronics Engineering) presented the highlights of B.Tech. II year Electrical & Electronics Engineering curriculum under B.Tech. R22 academic regulations. Following suggestions were given by Council members:
- Dr. Vasan, Expert Member from BITS Hyderabad: To check for possibility of moving Field Project course from B.Tech. III semester to B.Tech. IV semester
To check for repetition of Design Thinking course in B.Tech. IV and V semesters
- Dr. D. Srinivasa Rao, University Nominee, JNTU Hyderabad: To check for evaluation of Field Project course by industry personnel
- Dr. B. Chennakesava Rao, Director for Advancement and Dean, Admin, VNRVJIE: To check for balance of laboratory slots in even and odd semesters.
- **B.Tech. Mechanical Engineering:**
- Dr. B. Satyanarayana, HoD and Chairman, BoS (Mechanical Engineering) presented the highlights of B.Tech. II year Mechanical Engineering

curriculum under B.Tech. R22 academic regulations. Following suggestions were given by Council members:

Dr. Vasana, Expert Member from BITS Hyderabad: To check for possibility of moving Field Project course from B.Tech. III semester to B.Tech. IV semester.

➤ **B.Tech. Automobile Engineering:**

Dr. T. Srinivasa Rao, HoD and Chairman, BoS (Automobile Engineering) presented the highlights of B.Tech. II year Automobile Engineering curriculum under B.Tech. R22 academic regulations. Following suggestions were given by Council members:

Dr. Vasana, Expert Member from BITS Hyderabad: To check the title of Intellectual Property course

Dr. D. Srinivasa Rao, University Nominee, JNTU Hyderabad: To verify the L-T-P structure of Finite Element Analysis course

Dr. Venu Gopal, Expert Member from NIT Warangal: To check the load balancing of Design Thinking course

To reframe the title of Elements of Automobile Engineering course to Introduction to Automobile Engineering in B.Tech. I semester.

➤ **B.Tech. Electronics and Communication Engineering:**

Dr. S. Rajendra Prasad, HoD and Chairman, BoS (Electronics and Communication Engineering) presented the highlights of B.Tech. II year Electronics and Communications Engineering curriculum under B.Tech. R22 academic regulations. Following suggestions were given by Council members:

Dr. Vasana, Expert Member from BITS Hyderabad: To check the title of 'Happiness and Wellness' course in B.Tech. IV semester

To verify and ensure the non-repetition of content in the two similar courses on 'Essential Mathematics for Machine Learning' and 'Introduction to Machine Learning' in Professional Elective-I and Professional Elective-II baskets.

➤ **B.Tech. Electronics and Instrumentation Engineering:**

Dr. R. Manjula Sri, HoD and Chairman, BoS (Electronics and Instrumentation Engineering) presented the highlights of B.Tech. II year Electronics and Instrumentation Engineering curriculum under B.Tech. R22 academic regulations.

➤ **B.Tech. Computer Science and Engineering:**

Dr. S. Nagini, HoD - CSE, CSBS and Chairman, BoS (Computer Science and Engineering) presented the highlights of B.Tech. II year Computer Science and Business Systems curriculum under B.Tech. R22 academic regulations.

➤ **B.Tech. Computer Science and Business Systems:**

Dr. S. Nagini, HoD - CSE, CSBS and Chairman, BoS (Computer Science and Engineering) presented the highlights of B.Tech. II year Computer Science and Business Systems curriculum under B.Tech. R22 academic regulations.

➤ **B.Tech. Information Technology:**

Dr. D. Srinivasa Rao, HoD and Chairman, BoS (Information Technology) presented the highlights of B.Tech. II year Information Technology curriculum under B.Tech. R22 academic regulations.

➤ **B.Tech. CSE (Artificial Intelligence and Machine Learning):**

Dr. N. Sandhya, HoD and Chairman, BoS - CSE(AIML, IoT) presented the highlights of B.Tech. II year CSE (Artificial Intelligence and Machine Learning) curriculum under B.Tech. R22 academic regulations. Following suggestions were given by Council members:

Dr. Vasani, Expert Member from BITS Hyderabad: To check for duplication of 'Data Visualization' course in B.Tech. IV semester as well as Professional Elective basket

➤ **B.Tech. CSE (Internet of Things):**

Dr. N. Sandhya, HoD and Chairman, BoS - CSE(AIML, IoT) presented the highlights of B.Tech. II year CSE (Internet of Things) curriculum under B.Tech. R22 academic regulations. Following suggestions were given by Council members:

Dr. Vasani, Expert Member from BITS Hyderabad: To make 'Security in IoT' as a core course

Dr. D. Srinivasa Rao, University Nominee, JNTU Hyderabad: To move some of the IoT courses from Professional Elective baskets to Professional Core

➤ **B.Tech. CSE (Data Science):**

Dr. M. Rajasekhara, HoD - CSE(DS, CYS), AI&DS and Chairman, BoS - CSE(Data Science, Cyber Security) presented the highlights of B.Tech. II year CSE (Data Science) curriculum under B.Tech. R22 academic regulations. Following suggestions were given by Council members:

Dr. Vasani, Expert Member from BITS Hyderabad: To rename the title of 'Mathematical Foundations for Data Science' course in B.Tech. IV semester to 'Discrete Mathematics'

➤ **B.Tech. CSE (Cyber Security):**

Dr. M. Rajasekhara, HoD - CSE(DS, CYS), AI&DS and Chairman, BoS - CSE(Data Science, Cyber Security) presented the highlights of B.Tech. II year CSE (Cyber Security) curriculum under B.Tech. R22 academic regulations. Following suggestions were given by Council members:

Dr. Vasani, Expert Member from BITS Hyderabad: To rename the title of 'Cloud Security' course to 'Cloud Technologies' course

To check for duplication of Cyber Forensics course in Professional Elective baskets

Dr. Venu Gopal, Expert Member from NIT Warangal: To cross check the courses that are common with B.Tech. CSE program

➤ **B.Tech. Artificial Intelligence and Data Science:**

Dr. M. Rajasekhar, HoD - CSE(DS, CYS), AI&DS and Chairman, BoS - CSE(Data Science, Cyber Security) presented the highlights of B.Tech. II year Artificial Intelligence and Data Science curriculum under B.Tech. R22 academic regulations.

Following are the details of approved new courses offered by various programmes in B.Tech. II year under R22 academic regulations:

Name of the course	B.Tech. II Year Programmes
Advanced Surveying Laboratory	CE
Intellectual Property Rights	CE, EEE, ME, ECE, CSE, EIE, IT, AE, CSE(AI ML), CSE(CYS), CSE(DS), CSE(IOT), AI&DS
Happiness and Wellbeing	CE, ECE, EIE, AE, CSE(AI ML), CSE(IOT), AI&DS
Python Programming and Practice	ME
Data Visualization	CSE, IT, CSE(AI ML), CSE(CYS), CSE(DS), CSE(IOT), AI&DS
Web Application Development	CSE, IT
Sensors and Devices	CSE - IOT
Sensors and Devices Laboratory	
Field Project	CE, EEE, ME, ECE, CSE, EIE, IT, AE, CSE(AI ML), CSE(CYS), CSE(DS), CSE(IOT), AI&DS

17.4 Revision of course structure and detailed syllabi of B.Tech. IV year courses of B.Tech. - Artificial Intelligence and Data Science program under B.Tech. CBCS A19 Academic Regulations

- BoS approved B.Tech. four year course structure and detailed syllabi of the B.Tech. IV year courses of B.Tech. Artificial Intelligence and Data Science program to be offered under B.Tech. Choice Based Credit System A19 academic regulations for the batch admitted in the academic year 2021-2022 was presented before the Council for approval by the Dr. M. Rajasekhar, Chairman, BoS - CSE(DS,CYS).
- Council approved the revised course structure and detailed syllabi of the aforementioned B.Tech. IV year program under B.Tech. CBCS A19 academic regulations as indicated in **Annexure-III**.

17.5 Examination schedules and subject-wise registration details of students in the academic year 2022-2023

- Examination schedules and subject-wise student registration details (including NPTEL courses as an option to Professional Electives under Credit Transfer) of B.Tech. and M.Tech. programmes in the academic year 2022-2023 were presented before the Council for approval by Dr. K. Anuradha, Dean, Academics.
- Council ratified the examination schedules and subject-wise student registration details of B.Tech. and M.Tech. programmes in the academic year 2022-2023 as given in **Annexures-IV** and **V**.

17.6 Students detained and condoned in the academic year 2022-2023

- Details of B.Tech. and M.Tech. students of odd semesters, including B.Tech. Minor degree, and B.Tech. VIII semester who were detained for lack of minimum required attendance in the academic year 2022-2023 as given in **Annexure-VI** were presented before the Council for approval.
- Also, details of B.Tech. and M.Tech. students whose attendance was condoned in the academic year 2022-2023 as given in **Annexure-VII** was presented by Dr. K. Anuradha, Dean, Academics before the Council for approval.
- Council ratified the details of B.Tech. and M.Tech. students detained and condoned in the academic year 2022-2023.

17.7 Application of grace marks to B.Tech. students admitted under R18 academic regulation and appeared for supplementary examination from January 2023 onwards as well as outgoing students of B.Tech. students admitted under R19 academic regulation

- Dr. K. Ramujee, Dean, Examinations apprised the members that in the 16th meeting of Academic Council held on November 22nd, 2022, approval was accorded for the eligibility conditions and applicable grace marks to the B.Tech. students of R18 academic regulations who shall be graduating in the academic year 2021-2022 only as a one-time chance concession.
- Further, JNTUH has now issued proceedings dated February 23rd, 2023 regarding restoring of the addition of grace marks upto 0.15% of total marks and applying to 02 (two) theory subjects for B.Tech. R18 academic regulations outgoing students getting degree in the academic year 2022-2023, the following was presented before the Council for approval.

Academic Regulations	Maximum Marks
Admitted under R18 (Regular) and appeared for supplementary from Jan. 2023 onwards	09
Admitted under R18 (Lateral Entry) and appeared for supplementary from Jan. 2023 onwards	07
Admitted under R19 (Regular) and passing out in academic year 2022-2023	09

Admitted under R19 (Lateral Entry) and passing out in academic year 2022-2023

07

- Grace marks shall be applicable to the students as mentioned in the table above and who shall be eligible to get the B.Tech. degree who passed examinations from January 2023 onwards.
- Council ratified the eligibility conditions and applicable grace marks to the B.Tech. students of R18 academic regulations who appeared for supplementary examinations from January 2023 onwards and B.Tech. students of R19 academic regulations (regular and lateral entry) who shall be graduating in the academic year 2022-2023.

17.8 Substitute courses offered to students re-admitted under B.Tech. R19/A19/R22 academic regulations in the academic year 2022-2023

- by Dr. K. Anuradha, Dean, Academics presented the following list of courses repeated/already studied by re-admitted students of B.Tech. CSE(AI&ML) in B.Tech. R22 academic regulation in the academic year 2022-2023 and the equivalent substitute courses as suggested by the Chairman, BoS CSE(AI&ML, IoT) for approval.

B.Tech. Program	Previous Regulation	Subject studied already in previous regulation	Credits	Current Regulation	Subject repeated as per current regulation	Credits	Current Regulation	Suggested Substitute subject	Credits
CSE(AI&ML)	A19	Basics of Electrical Energy Basics of Electrical Energy for Engineers (A19ES1EE01)	3	R22	Basic Electrical and Electronics Engineering (22ES1EE101)	3	R22	English for Skill Enhancement (22HS1EN101)	2
		Basic Electrical Engineering Laboratory (A19ES2EE01)	1		Basic Electrical and Electronics Engineering Laboratory (22ES2EE101)	1		English Language and Communication Skills Laboratory (22HS2EN101)	1
		Engineering Drawing (A19ES3ME02)	2		Engineering Drawing (22ES3ME102)	2		Introduction to Artificial Intelligence and Machine Learning (22ES1AM101)	2
		-	-		-	-		Elements of Computer Science and Engineering (22SD5CS101)	1

- Council approved the BoS suggested equivalent substitute courses to be pursued by re-admitted students under B.Tech. R22 academic regulations in the academic year 2022-2023.

17.9 One-time chance examination for M.Tech. students admitted under R18 academic regulations who have completed double the duration of their course work as per JNTUH guidelines

- Dr. K. Ramujee, Dean, Examinations presented before the council the requests of the following M.Tech. students under M.Tech. R18 academic

regulations who completed double the duration of the programme and could not complete the M.Tech. degree due to pending submission of project work.

M.Tech. Branch	H.T. No.	Name of the Student	Status of Project Work
Highway Engineering	18071D8710	M Ramu	Three project reviews completed
Highway Engineering	18071D8711	M Bhargavi	Three project reviews completed
Highway Engineering	18071D8715	P Bhavya Teja	Three project reviews completed
Embedded Systems	18071D5503	E Srilaxmi	Three project reviews completed
Embedded Systems	18071D5514	S Lavanya	Three project reviews completed
Advanced Manufacturing Systems	18071D3310	P Shiva Kumar	Three project reviews completed
Computer Science Engineering	18071D5802	C Prasanth Varma	Three project reviews completed

- Council approved the requests of above students seeking permission to complete their degree beyond the permitted duration of the programme as per the JNTUH guidelines and the same may be extended to other such students.

17.10 Reconstitution of Results Processing Committee

- In line with the JNTUH guidelines, Dr. K. Ramujee, Dean, Examinations proposed the reconstitution of Results Processing Committee 2023 as given below.

Composition	Name of the faculty	Designation
Chairman	Dr. C.D. Naidu	Principal
University Nominee	Dr. A. Govardhan	Rector, JNTUH
Controller of Examinations	Dr. K. Ramujee	Professor/CE
Assistant Controller of Examinations	Mr. M. Koteswara Rao	Assistant Professor/IT
Dean, Academics	Dr. K. Anuradha	Professor/EEE
Head of Departments	Dr. A. Mallika	HoD/CE
	Dr. Poonam Upadhyay	HoD/EEE
	Dr. B. Satyanarayana	HoD/ME
	Dr. S. Rajendra Prasad	HoD/ECE
	Dr. S. Nagini	HoD/CSE
	Dr. R. Manjula Sri	HoD/EIE
	Dr. D. Srinivasa Rao	HoD/IT
	Dr. T. Srinivasa Rao	HoD/AE
	Dr. T. Jayashree	HoD/H&S
	Dr. N. Sandhya	HoD/CSE(AIML, IoT)
Dr. M. Rajasekar	HoD/CSE(CyS,DS),AI&DS	

- Council approved the reconstitution of Results Processing Committee 2023 from the academic year 2022-2023.

17.11 Certificate courses offered in the academic year 2022-2023

- List of certificate courses offered by the various departments in the academic year 2022-2023 as given in **Annexure-VIII** was presented by Dr. K. Anuradha, Dean, Academics before the Council for approval.
- After deliberations, council approved the list of certificate courses.

17.12 NPTEL-SWAYAM/MOOC courses offered in the academic year 2022-2023

- NPTEL-SWAYAM/MOOC courses offered in the academic year 2022-2023 as given in **Annexure-IX** was presented by Dr. K. Anuradha, Dean, Academics before the Council for approval.
- Council approved the list of NPTEL-SWAYAM/MOOC courses offered in the academic year 2022-2023.

17.13 Any other matter

17.13.1 Clarification on re-registration of students under B.Tech. R22 academic regulations

- Dr. K. Anuradha, Dean, Academics raised query regarding re-registration of students under B.Tech. R22 academic regulations.
- Dr. M. Manzoor Hussain, University Nominee, JNTU Hyderabad informed the Council that those students who do not receive minimum 14 marks in Continuous Internal Evaluation have to re-register only for internal examinations and there is no limit on the number of attempts to re-register.

17.13.2 Offering integrated courses in VNRVJIET academic curriculum


- Dr. K. Anuradha, Dean, Academics proposed to offer atleast one integrated courses in VNRVJIET academic curriculum.
- Dr. M. Manzoor Hussain, University Nominee, JNTU Hyderabad suggested to start the implementation of integrated courses for atleast one course in a semester with the approval of University.

Council members congratulated the department of Civil Engineering for achieving six years of accreditation from NBA, New Delhi consecutively for the second time.

Dr. C.D. Naidu, Principal and Chairman, Academic Council thanked the council members for sparing their valuable time and providing key inputs in the revision of curriculum and other academic activities in the Institute.

The meeting concluded with vote of thanks to the Council members by Dr. Y. Shivraj Narayan, Coordinator, Academics.

To
All the Members.


Dr. C.D. Naidu
Chairman-AC &
Principal
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