B V RAJU INSTITUTE OF TECHNOLOGY

Vishnupur, Narsapur - 502313

MINUTES OF

16th COLLEGE ACADEMIC COUNCIL MEETING

(Autonomous)

A Meeting of the 16th College Academic Council (Autonomous) held at 02.30 PM on Wednesday, the 28th of August, 2024 in the Conference Hall, Dr. A.P.J. Abdul Kalam Block.

AGENDA

ITEM-1: Confirmation of minutes and action taken report of the 14th & 15th College Academic Council meeting.

ITEM-2: Appraisal of recent achievements in academic and research activities

ITEM-3: Approval of UG and PG academic calendars for 2024-25.

ITEM-4: Appraisal of UG and PG examination results of 2023-24.

ITEM-5: Approval of BOS Meetings – Minutes.

ITEM-6: Approval of 30 Grace marks for 2018 and 2019 Admitted batch students.

ITEM-7: Approval of general Grace Marks for 2021-22 admitted batch students (R20A Regulations).

ITEM-8: Approval of MOOC courses - Assessment thorough NPTEL – Credit Transfer – Amendments.

ITEM-9: Approval of NPTEL Courses offered as Open Elective Courses for AY: 2023-24 and 2024-25

ITEM-10: Approval of BFSI Minor Degree Program Curriculum.

ITEM-11: Approval to read R20 with Amendments as R20A Regulations

ITEM-12: Any other point with the permission of the chair.

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ITEM-1: CONFIRMATION OF MINUTES AND ACTION TAKEN REPORT OF THE 14th & 15th COLLEGE ACADEMIC COUNCIL MEETING

The Action Taken Report (**Annexure-I**) of the 14th & 15th college Academic Council meeting is placed before the Academic Council for consideration and approval.

The members approved the same.

ITEM-2: APPRAISAL OF RECENT ACHIEVEMENTS IN ACADEMIC AND RESEARCH ACTIVITIES

The Chairman appraised the recent achievements in Academic and Research Activities (**Annexure-II**) of the college to the honorable members of Academic Council. The Chairman also provided an overview of the national-level SAE e-BAJA event hosted by the institute from March 5th to March 9th, 2024. He highlighted that this prestigious event saw participation from 72 teams representing renowned institutions across the country. Notably, this was the first time the SAE e-BAJA event was held in South India, marking a significant milestone for the region and the institution.

Dr. R. Sanjeev Reddy, HOD, ECE, explained the innovative theme chosen by the students, which earned them a cash prize of Rs. 10 lakhs under gold winner category in prestigious L & T Techgium-2024 competition. Dr. S. Krishna Rao, HOD, CE, informed the members that the Civil Engineering students received a Special Jury Award and a cash prize of Rs. 1 lakh in the L&T Techgium-2024 competition for their project, titled "Identification of Flood Prone Areas in Urban Settlements". Dr. H. Sujana, HOD, BME and Coordinator ATL, updated the members on the AssisTech Foundation (ATF) Award 2023, highlighting the recognition received for the Best Assistive Technology Initiative. Dr. V. Murali Krishna, Professor of ME and Dean (Academics), informed the members about the AICTE Margdarshan Scheme and shared that the AICTE has provided a fund of Rs. 15 lakhs for mentoring of five institutions in their accreditation processes. Dr. P. Vishnu, HOD PHE and Coordinator of the PanIIT Alumni Leadership Series (PALS), outlined the activities carried out in collaboration with PALS-IITM, which contributed to receiving the Award of Excellence for Outstanding Performance 2023-24. The Chairman informed the members that the institute has been selected as a mentor under the Mentor-Mentee Scheme of MIC AICTE.

Dr. Sindhu praised the presentation and lauded the principal and his team for their accomplishments. She recommended including achievements related to innovation, incubation, and entrepreneurship to better showcase the institution's progress in these areas. Sri K. Narendra commended BVRIT for its accomplishments and proposed enhancing industry-institute interactions. He recommended involving industry professionals in curriculum design and encouraging students to undertake industry projects to better align academic experiences with real-world applications. Sri Udaya Kumar Dintyala suggested conducting a survey to identify the skills that will be in demand in the industry over the next five years. He emphasized the importance of integrating these findings into the curriculum to enhance placement opportunities for students. Additionally, he proposed focusing on the commercialization of patents to further strengthen the institution's impact. Dr. Vasudeva Varma expressed satisfaction with the institution's ongoing activities and advised seeking collaboration with IIIT Hyderabad to develop cutting-edge curriculum and student projects. His recommendation aimed at leveraging IIIT Hyderabad's expertise to keep the institution's programs at the forefront of technological advancements.

The members appreciated the principal and the entire team for their achievements.

ITEM-3: APPROVAL OF UG AND PG ACADEMIC CALENDARS FOR 2024-25

The Academic Calendars for the A.Y 2024-25 (**Annexure-III**) are placed before the Academic Council for consideration and approval.

The members approved the same.

ITEM-4: APPRAISAL OF UG AND PG EXAMINATION RESULTS FOR 2023-24

The Examination Result Analysis (**Annexure-IV**) of Under Graduate(UG) and Post Graduate (PG) programs for the academic year 2023-24 is placed before the honorable members of the Academic Council.

The members appreciated the principal and the entire team for their achievements.

ITEM-5: APPROVAL OF BOS MEETINGS – MINUTES

The minutes of BOS Meetings are placed before the Academic Council for consideration and approval.

The members approved the same.

ITEM-6: APPROVAL OF 30 GRACE MARKS FOR 2018 AND 2019 ADMITTED BATCH STUDENTS

The provision of 30 grace marks for the 2018 & 2019 admitted batch students are placed before the Academic Council for consideration and approval.

With reference to the proceedings No. JNTUH/ R18 Grace marks/3/2024(Revised) dated 27/04/2024, we would like to follow the proceedings of JNTUH cited above regarding the enhancement of grace marks of 0.5% of the total marks (Maximum of 30 marks for regular admitted students and 23 marks for lateral entry students) and applying for any number of theory subjects for B.Tech R18 for the academic years 2021-22 and 2022-23 outgoing students to get the degree. The same rule will be applicable for the students admitted in previous regulations and completed final year in R18 regulations without subject exemption, who are eligible to get the degree in the academic years 2021-22 & 2022-23.

Dr. Sindu advised that the institution should adhere strictly to the university's established procedures and avoid deviations. In response, the Chairman confirmed that the institution is rigorously implementing the grace marks policy in accordance with the directives set forth by JNTUH.

Program	Regulation	Grace marks to be added
B. Tech (Regular)	R18	0.5% of the maximum marks
B. Tech (Lateral Entry)	R18	

The members approved the same.

ITEM-7: Approval of general Grace Marks for 2021-22 admitted batch students (R20A Regulations)

The provision of general Grace Marks for 2021-22 admitted batch students (R20A Regulations) are placed before the Academic Council for consideration and approval.

PROGRAM	REGULATION	DESCRIPTION
B. Tech Regular	R20A	0. 15% of the total marks (Up to a maximum of 9 marks)
B. Tech Lateral Entry	R20A	0. 15% of the total marks (Up to a maximum of 7 marks)

The Institution wishes to follow the procedure for addition of grace marks as per the guidelines given by JNTUH from time to time.

The members approved the same.

ITEM-8: APPROVAL FOR MOOC COURSES ASSESSMENT THOROUGH NPTEL – CREDIT TRANSFER - AMENDMENTS

The amendments to MOOC courses assessment thorough NPTEL are placed before the Academic Council for consideration and approval. The details are enclosed.

- **Revision of eligibility criteria to allow the students to take-up open elective courses through MOOC platform NPTEL, thereby increasing flexibility for credit acquisition as per NEP2020 in R22 Regulations**

    o A student with no backlogs up to the end of the second year, first semester, is eligible to register for OE-II in the third year, first semester.

    o A student with no backlogs up to the end of the second year, second semester, is eligible to register for OE-III in the third year, second semester.

    o A student with no backlogs up to the end of the third year, first semester, is eligible to register for OE-IV in the fourth year, first semester.

Dr. Sindu inquired about the regulations set by JNTUH and other leading institutions concerning the eligibility criteria for enrolling in MOOC (Massive Open Online Courses) in advance. She sought to understand how these institutions manage early enrolment in such courses. In response, the Chairman provided clarifications, noting that the relaxation in eligibility criteria is designed to enhance flexibility in credit transfer. This adjustment aligns with the guidelines outlined in the National Education Policy (NEP) 2020, which aims to facilitate more adaptable and inclusive educational pathways for students.

- **During the normalization of marks for MOOC courses through NPTEL, some students' grades are being lowered after conversion. It is proposed the Academic Council to consider and approve an amendment allowing to choose the higher grade between their NPTEL score and their BVRIT score.**

The members approved the same.

ITEM-9: APPROVAL OF 12-WEEKk NPTEL COURSES OFFERED AS OPEN ELECTIVE COURSES FOR AY: 2023-24 and 2024-25

The NPTEL courses offered as open elective courses for the AY: 2023-24 and 2024-25 are placed before the Academic Council for consideration and approval. The details are enclosed

R20A Regulations:

- **19 NPTEL courses of 12 weeks were identified and offered for III-year B. Tech, II semester students of 2021 admitted batch for the academic year 2023-24.**

S. No.	Course ID	Course Name	SME Name	Institute	Offering Depts.	Eligible Students
1	noc24-ag02	Machine Learning for Soil and Crop Management	Prof. Somsubhra Chakraborty	IITKGP	CSBS	All Branches except CSBS
2	noc24-bt06	Biomechanics	Prof. Varadhan	IITM	BME	All Branches except BME
3	noc24-ce03	Air pollution and Control	Prof. Bhola Ram Gurjar	IITR	CIVIL	All Branches except CE
4	noc24-ch15	Environmental Quality Monitoring & Analysis	Prof. Ravi Krishna R	IITM	PHE	All Branches except PHE
5	noc24-ch26	Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	Prof. Vaibhav Vasant Goud,	IITG	CHE	All Branches except CHE
7	noc24-cs15	Blockchain and its Applications	Prof. Sandip Chakraborty Prof. Shamik Sural	IITKGP	IT	Other than CSE, IT and allied branches
8	noc24-cs19	Computer Networks and Internet Protocol	Prof. Soumya Kanti Ghosh	IITKGP	CSE	Other than CSE, IT and allied branches
9	noc24-cs20	Data Analytics with Python	Prof. A Ramesh	IITR	CSE	Other than CSE, IT and allied branches
10	noc24-cs56	Social Networks	Prof. Sudarshan Iyengar	IIT Ropar	DS	Other than CSE, IT and allied branches
11	noc24-cs59	Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar	IIT Ropar	AIML	Other than CSE, IT and allied branches
12	noc24-cs65	Business Intelligence & Analytics	Prof. Saji K Mathew	IITM	AI&DS	Other than CSE, IT and allied branches
13	noc24-ee02	Fundamentals of semiconductor devices	Prof. Digbijoy N. Nath	IISc	ECE	All Branches except ECE
14	noc24-ee32	Fuzzy Sets, Logic and Systems & Applications	Prof. Nishchal Kumar Verma	IITK	EEE	All Branches except EEE and ECE
15	noc24-ee71	Communication Networks	Prof. Gautam Das	IITKGP	ECE	All Branches except ECE
16	noc24-hs73	English Language for Competitive Exams	Prof. Aysha Iqbal	IITM	BS	All Branches
17	noc24-me56	Optimization from fundamentals	Prof. Ankur A. Kulkarni	IITB	ME	All Branches except ME
18	noc24-mg46	Organizational Design Change and Transformation	Prof. Susmita Mukhopadhyay	IITKGP	MBA	All Branches
19	noc24-cs04	Privacy and Security in Online Social Media	Ponnurangam Kumaraguru	IITH	IT	All Branches

- **14 NPTEL courses of 12 weeks are identified and offering for IV-year B. Tech, I semester students of 2021 admitted batch for the academic year 2024-25.**

S. NO.	COURSE CODE	COURSE NAME	INSTITUTE	OFFERING DEPT	OFFERED TO
1	noc24-ge45	Biomedical Ultrasound: Fundamentals of Imaging and Micromachined Transducers	IIT Gandhinagar	BME	OTHER THAN BME
2	noc24-ch61	Enhanced Oil Recovery Techniques	IIT (ISM Dhanbad)	CHE	OTHER THAN CHE
3	noc24-ch71	Aspen Plus® Simulation Software - A Basic Course For Beginners	IIT Guwahati	PHE	OTHER THAN PHE
4	noc24-ce105	Wastewater Treatment and Recycling	IIT Kharagpur	Civil	OTHER THAN CIVIL
5	noc24-cs85	Practical Cyber Security for Cyber Security Practitioners	IIT Kanpur	CSE	Other than CSE, IT AND CSE allied branches
6	noc24-cs91	Software Testing	IIIT Bangalore	IT	other than CSE, IT, CSBS AND CSE allied branches
7	noc24-cs108	Operating System Fundamentals	IIT Kharagpur	IT	other than CSE, IT, CSBS AND CSE allied branches
8	noc24-ee117	Electrical Measurement and Electronic Instruments	IIT Kharagpur	EEE	OTHER THAN ECE, EEE
9	noc24-ee135	Analog Communication	IIT Kharagpur	ECE	OTHER THAN ECE, EEE, BME
10	noc24-hs143	Public Speaking	IITR	BS	ALL
11	noc24-mg112	Strategic Management	IITR	MBA	ALL
12	noc24-me138	Fundamentals of Additive Manufacturing Technologies	IIT Guwahati	MECH	OTHER THAN ME
13	noc24-me120	Design of Mechatronic Systems	IIT Bombay	MECH	OTHER THAN ME
14	noc24-cs132	Responsible & Safe AI Systems	IIIT Hyderabad and IIT Madras	AI&ML	other than CSE, IT, CSBS AND CSE allied branches

R22 Regulations:

- **16 NPTEL courses of 12 weeks are identified and offering for III-year B. Tech, I semester students of 2022 admitted batch for the academic year 2024-25.**

S. NO.	COURSE CODE	COURSE NAME	INSTITUTE	OFFERING DEPT	OFFERED TO
1	noc24-ch58	Chemical Process Intensification	IIT Guwahati	CHE	other than CHE, PHE
2	noc24-ch74	Chemical Process Safety	IITR	PHE	other than CHE, PHE
3	noc24-ce71	Remote Sensing: Principles and Applications	IIT Bombay	Civil	other than CIV
4	noc24-cs96	Data Structure and Algorithms using Java	IIT Kharagpur	CSE	other than CSE, IT, CSBS and CSE allied branches
5	noc24-ee112	Basic Electrical Circuits	IIT Hyderabad	EEE	OTHER THAN EEE, ECE, BME
6	noc24-ee99	Introduction to Semiconductor Devices	IIT Hyderabad	ECE	OTHER THAN EEE, ECE, BME
7	noc24-hs124	Soft Skills	IITR	BS	ALL
8	noc24-mg87	Organizational Behaviour	IIT Hyderabad	MBA	ALL
9	noc24-me123	Fundamentals of Manufacturing Processes	IITR	MECH	OTHER THAN MECH
10	noc24-cs120	Social Networks	IIT Ropar	AI&DS	Other than CSE, IT, CSBS AND CSE allied branches
11	noc24-cs105	Programming in Java	IIT Kharagpur	IT	Other than CSE, IT, CSBS AND CSE allied branches
12	noc24-ge55	Neuroscience of Human Movements	IIT Madras	BME	OTHER THAN BME
13	noc24-cs118	Cloud Computing	IIT Kharagpur	CSE	Other than CSE, IT, CSBS AND CSE allied branches
14	noc24-cs116	Introduction To Algorithms and Analysis	IIT Kharagpur	CSBS	Other than CSE, IT, CSBS AND CSE allied branches
15	noc24-cs83	Computer Architecture	IIT Delhi	AI&DS	Other than CSE, IT, CSBS AND CSE allied branches
16	noc24-cs104	Applied Accelerated Artificial Intelligence	IIT Palakkad NVIDIA	AIML	Other than CSE, IT, CSBS AND CSE allied branches

The members approved the same.

ITEM-10: APPROVAL OF BFSI MINOR DEGREE PROGRAM CURRICULUM.

The Curriculum for the BFSI Minor Degree (**Annexure-V**) is placed before the Academic Council for consideration and approval.

Dr. I. Nageswara Rao, Head of the Department of MBA, presented an overview of the significance of introducing the Banking, Financial Services, and Insurance (BFSI) minor degree for engineering students starting in the academic year 2024-25. He highlighted the growing relevance of this minor in equipping students with essential skills and knowledge applicable to a range of financial sectors. Dr. Nageswara Rao elaborated on the job opportunities available with a BFSI minor degree, including roles in finance, accountancy, investment, insurance, regulatory compliance, and banking operations. Also, presented the course structure and credit details of the BFSI minor degree.

The members approved the same.

ITEM-11: APPROVAL TO READ R20 WITH AMENDMENTS AS R20A REGULATIONS.

It is proposed to read R20 with Amendments as R20A, the same is placed before the Academic Council for consideration and approval.

R20 Regulations		
Course type	**Type of Assessment**	**Maximum Marks**
Theory Course	Continuous Internal Evaluation (CIE)	40
	Semester End Examination (SEE)	60
	Total marks	100
Laboratory Course	Continuous Internal Evaluation (CIE)	40
	Semester End Examination (SEE)	60
	Total marks	100

R20A Regulations		
Course type	**Type of Assessment**	**Maximum Marks**
Theory Course	Continuous Internal Evaluation (CIE)	30
	Semester End Examination (SEE)	70
	Total marks	100
Laboratory Course	Continuous Internal Evaluation (CIE)	30
	Semester End Examination (SEE)	70
	Total marks	100

The members approved the same as there is no difference in R20 and R20A regulations except the maximum marks allotted for continuous internal evaluation and semester end examinations as mentioned in above tables.

ITEM-12: ANY OTHER POINT WITH THE PERMISSION OF THE CHAIR

No.1: It is proposed the Academic Council to consider and approve the B.Tech. with Minor Degree for students admitted under B.Tech. R22 Academic Regulations (Annexure-VI) as per the letter No.: JNTUH/DAAF/AA/2024 dated 01.06.2024

Minor Degree in Data Science			
Year / Sem	Subject Code	Course Name	Credits
III Year, I Sem	A65V1	Data Science for Engineers	3
III Year, I Sem	A651V	Data Science Laboratory	1.5
III Year, II Sem	A66V1	Data Visualization	3
III Year, II Sem	A661V	Data Visualization Laboratory	1.5
IV Year, I Sem	A67V1	Big Data Engineering	3
IV Year, I Sem	A67V2	Web and Social Media Analytics	3
IV Year, II Sem	A68V1	Data Science Tools	3
		Total Credits	18

Minor Degree in Artificial Intelligence and Machine Learning			
Year / Sem	Subject Code	Course Name	Credits
III Year I Sem	A65U1	Applied Artificial Intelligence and Machine Learning	3
III Year I Sem	A651U	Applied Artificial Intelligence and Machine Learning Laboratory	1.5
III Year II Sem	A66U1	Principles of Deep Learning	3
III Year II Sem	A661U	Principles of Deep Learning Laboratory	1.5
IV Year I Sem	A67U1	Computer Vision Processing Techniques	3
IV Year I Sem	A67U2	Optimization Techniques	3
IV Year II Sem	A68U1	Natural Language Processing Techniques	3
		Total Credits	18

The members approved the same.

No. 2: Request for consideration of Academic Council

Jawaharlal Nehru Technological University, Hyderabad (JNTUH) regularly issues Circulars to its constituent and autonomous colleges to update various regulations time to time. In this context, it is proposed that such updates will be discussed and implemented with the approval of internal Academic Council members by conducting meeting under the leadership of Chairman, Academic Council. These proposals will then be submitted for the ratification at the next Academic Council meeting

The members considered and approved the same.

No.3: It is proposed the Academic Council to consider and approve in relaxation in credits requirement for R20A and R22 regulations students for promotion of students detained due to lack of credits in accordance with the affiliating University JNTUH Procs. No. A1/16/2023 dated 15.12.2023 (Annexure-VII).

R20A Regulations, Regular, (Promotion from III B. TECH TO IV B. TECH):

S. No.	Promotion	Earlier Conditions to be fulfilled	New conditions to be fulfilled
1	III Year I Semester to III Year II Semester	Regular course of study for III Year I Semester	Regular course of study for III Year I Semester
2	III Year II Semester to IV Year I Semester	(i) Regular course of study for III Year II Semester. (ii) Must have secured at least 60 % of credits up to III Year II Semester from all relevant regular and supplementary examinations, whether the student takes those examinations or not.	Regular course of study for III Year II Semester.

R20A Regulations, Lateral entry (Promotion from III B. TECH TO IV B. TECH):

S. No.	Promotion	Earlier Conditions to be fulfilled	New conditions to be fulfilled
1	III Year I Semester to III Year II Semester	Regular course of study for III Year I Semester	Regular course of study for III Year I Semester
2	III Year II Semester to IV Year I Semester	(i) Regular course of study for III Year II Semester. (ii) Must have secured at least 60 % of credits up to III Year II Semester from all relevant regular and supplementary examinations, whether the student takes those examinations or not.	Regular course of study for III Year II Semester.

R22 Regulations, Regular, (Promotion from II B. TECH TO III B.TECH):

S. No.	Promotion	Earlier Conditions to be fulfilled	New conditions to be fulfilled
1	II Year I Semester to II Year II Semester	Regular course of study for II Year I Semester	Regular course of study for II Year I Semester
2	II Year II Semester to III Year I Semester	(i) Regular course of study for II Year II Semester. (ii) Must have secured at	(i) Regular course of study for II Year II Semester.

		least 60 % of credits up to II Year II Semester from all relevant regular and supplementary examinations, whether the student takes those examinations or not.	(ii) Must have secured at least 20 credits out of 80 credits i.e., 25 % credits up to II year II Semester from all relevant regular and supplementary examinations, whether the student takes those examinations or not.

R22 Regulations, Lateral Entry (Promotion from II B.TECH TO III B.TECH):

S. No.	Promotion	Earlier Conditions to be fulfilled	New conditions to be fulfilled
1	II Year I Semester to II Year II Semester	Regular course of study for II Year I Semester	Regular course of study for II Year I Semester
2	II Year II Semester to III Year I Semester	(i) Regular course of study for II Year II Semester. (ii) Must have secured at least 60 % of credits up to II Year II Semester from all relevant regular and supplementary examinations, whether the student takes those examinations or not.	(i) Regular course of study for II Year II Semester. (ii) Must have secured at least 10 credits out of 40 credits i.e., 25 % credits up to II year II Semester from all relevant regular and supplementary examinations, whether the student takes those examinations or not.

R22 Regulations (Promotion from I B. TECH TO II B.TECH)

S. No.	Promotion	Earlier Conditions to be fulfilled	New conditions to be fulfilled
1	I Year I Semester to I Year II Semester	Regular course of study for I Year I Semester	Regular course of study for I Year I Semester
2	I Year II Semester to II Year I Semester	(i) Regular course of study for I Year II Semester. (ii) Must have secured at least 20 credits out of 40 credits i.e., 50 % of credits up to I Year II Semester from all relevant regular and supplementary examinations, whether the student takes those examinations or not.	(i) Regular course of study for I Year II Semester. (ii) Must have secured at least 10 credits out of 40 credits i.e., 25 % credits up to I year II Semester from all relevant regular and supplementary examinations, whether the student takes those examinations or not.

Submitted for your consideration and approval.

The chairman of the College Academic Council thanked all the honourable members for attending the meeting, giving valuable inputs and approving the discussion agenda points.

(Dr. K. Lakshmi Prasad)
Principal & Chairman, College Academic Council