



## VARDHAMAN COLLEGE OF ENGINEERING (AUTONOMOUS)

Affiliated to JNTUH, Approved by AICTE, Accredited by NAAC with A++ Grade, ISO 9001:2015 Certified  
Kacharam, Shamshabad, Hyderabad – 501218, Telangana, India

### 13<sup>th</sup> Academic Council Meeting | 18-07-2022 | Minutes

Minutes of 13<sup>th</sup> Academic Council Meeting held on 18-07-2022, at 11.30 AM in Board Room, Block # 1, VCE, Hyderabad

#### Members:

#	Name	Affiliation	Category
1	Dr. JVR Ravindra	Principal, VCE	Chairman
2	Dr. G. K. Viswanadh	Professor of CE & Director of UGC-HRDC, JNTUH, Hyderabad	Member
3	Dr. N. Yadaiah	Professor of EEE, JNTUH, Hyderabad	Member
4	Dr. A. Chennakesava Reddy	Professor of ME, JNTUH, Hyderabad	
5	Dr. Shakeel Ahmed	Joint Secretary, UGC	Member
6	Dr. Anand Bhalerao	Vice Chancellor, Central University of Rajasthan	Member
7	Sri. Praveen Mokkalapati	Deputy Director, NASSCOM	Member
8	Dr. Pratosh Bansal	Professor of IT, IET, Devi Ahilya Vishwavidyalaya, Indore	Member
9	Dr. Ramesh Karnati	Head, CSE, VCE	Member
10	Dr. M. A. Jabbar	Head, CSE (AIML), VCE	Member
11	Dr. V. Munisekhar	Head, IT, VCE	Member
12	Dr. Gagandeep Arora	Head, AI&ML, VCE	Member
13	Dr. S. Venu Gopal	Head, AI&DS, VCE	Member
14	Dr. G. A. E. Satish Kumar	Head, ECE, VCE	Member
15	Dr. Md. Asif	Head, EEE, VCE	Member
16	Dr. P. Srinivasa Rao	Head, ME, VCE	Member
17	Dr. G. Mallikarjuna Rao	Head, CE, VCE	Member
18	Dr. G. Krishna Kumari	Head, H&S, VCE	Member
19	Prof. Manish K Srivastava	Head, Management Studies, VCE	Member
20	Dr. H. Venkateswara Reddy	Controller of Examinations, VCE	Member
21	Dr. P. Nageswara Rao	Dean (Student Mentoring), VCE	Member
22	Dr. S. V. Vasantha	Associate Professor, CSE, VCE	Member
23	Dr. S. Rajendar	Dean (Academics), VCE	Member Secretary

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The Member Secretary informed that the Academic Council is re-constituted with new members. The Member Secretary placed on record Council's appreciation for the academic contributions made by all its previous AC members namely;

1. Dr. V. Srihari, MBA, VCE, Hyderabad
2. Dr. Mukul Shrivastava, ME, VCE, Hyderabad
3. Dr. D. Srinivas Reddy, H&S, VCE, Hyderabad

He welcomes all the new members of the Academic Council and emphasized that he looks forward to their co-operation and valuable contribution to the deliberation in the meetings of the Academic Council. All the new members were introduced to the Council. The new members are:

1. Dr. Gagan Deep Arora, Head, AI&ML, VCE, Hyderabad
2. Dr. S. Venu Gopal, Head, AI&DS, VCE, Hyderabad
3. Dr. G. Krishna Kumari, Head, H&S, VCE, Hyderabad
4. Dr. S. V. Vasantha, Associate Professor, CSE, Hyderabad

The Member Secretary took up the agenda items for discussion and approval.

## 1. Items for Confirmation

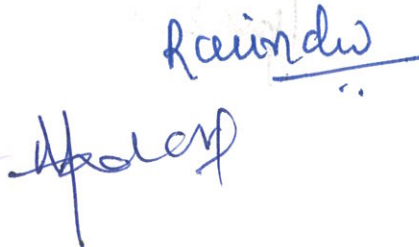
1.1 Confirmation of the minutes of 12<sup>th</sup> academic council meeting held on 18<sup>th</sup> December 2021 and action taken report

The minutes of the 12<sup>th</sup> academic council meeting held on 18<sup>th</sup> December 2021 were confirmed.

The action taken report on the decisions of the 12<sup>th</sup> meeting of academic council was confirmed by the council for the following approved and ratified items:

### Approved Items:

- Approval of BOS Members of the Departments
- Approval of DAC Members of the Departments
- Approval of academic regulations of B.Tech regular degree program with effect from 2021-2022
- Approval of academic regulations for Minors degree programs with effect from 2021-2022
- Approval of academic regulations for Honours degree programs with effect from 2021-2022
- Approval of academic regulations of M.Tech regular degree program with effect from 2021-2022
- Approval of syllabus of III and IV years (for the approved regulations of VCE R20) for UG programs.
- Approval of four-year curriculum structure and syllabus of I and II years for UG programs under VCE R21 regulations



- Approval of two-year curriculum structure and syllabus of M.Tech programs under VCE R21 regulations
- Approval of new courses introduced in various B.Tech and M.Tech programs during the revision of syllabus in the AY 2020-2021 and 2021-2022
- Approval of value-added courses and add-on courses offered during AY 2021-2022
- Approval of Internship and Externship Policy Document
- Approval of Clause for conduction of special supplementary examinations (One-Time-Chance) for not obtaining their degree in double the duration of the program
- Approval of Examination Manual containing all the details pertaining to evaluation of answer scripts, examination fee, remuneration tariff, moderation rules, challenge valuation, grace marks, internal (CIE) improvement, one-time-chance, computer-based tests (CBT) and others if any
- Approval of Clause on Challenge Valuation with amendment to the clause on revaluation.
- Approval of Question Paper Formats for CIE and SEE of UG and PG

#### **Ratified Items**

- Ratification of UG and PG Academic Calendars for the AY 2021-2022
- Ratification of special supplementary examinations (One-Time-Chance) conducted for UG and PG students for not obtaining their degree in double the duration of the program
- Ratification of internal improvement examinations conducted for UG students

#### 1.2 Confirmation of the minutes of special academic council meeting through circulation on 11<sup>th</sup> April 2022 and action taken report

The minutes of the special academic council meeting through circulation on 11<sup>th</sup> April 2022 were confirmed.

Action Taken Report on the Decisions on Special Academic Council Meeting through Circulation was confirmed by the council for the following ratified items:

#### **Ratified Items**

- Revised academic calendars 2021-2022
- Second Saturdays as working days
- Conduction of practical classes after CAT2 examinations
- The third evaluation shall be carried out by the external examiner

## **2. Items for Information**

### 2.1 JNTUH Approval for Minor and Honour Degree Programs from AY 2022-2023

The Member Secretary presented the approval of JNTUH for offering Minor and Honour Degree Programs from AY 2022-2023 vide letter no. Lr. No. A1/B.Tech. honours / B.Tech.

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Minor degree / 2022 dated 03-06-2022. The approval letter issued by JNTUH is enclosed in Annexure A2.1

2.2 JNTUH Approval for AICTE-LITE Program for offering Minor Degree Program in Advanced Web Development from AY 2022-2023.

JNTUH Approved the offering of Minor degree in Advanced Web Development as a part of AICTE's Leadership in Teaching Excellence (LITE) Programme from the AY 2022-2023.

Letters issued by JNTU are Ref. 1: Procds No. A1/B.Tech. Minor degree in Advanced Web Development/2022 dated 16.04.2022 and Ref. 2: Lr. No. A1/B.Tech. Honors / B.Tech. Minor degree /2022 dated 30-04-2022. The letters issued by JNTUH are enclosed in Annexure A2.2

The Council noted the offerings of minor and honours degree programs from AY 2022-2023

### 3. Items for Approval

3.1 Approval of AICTE-LITE Program for offering Minor Degree Program in Advanced Web Development from AY 2022-2023

With vide letters issued by the affiliating University –JNTUH, related to approval of minor program in advanced web development under AICTE-LITE programme, the Member Secretary presented to the academic council for approval to offer the minor program from academic year 2022-2023 along with other minor programs as per the regulations approved by the academic council during the meeting held on 18-12-2021.


Dr. N. Yadaiah enquired about the details of industry involved in offering the Minor degree program, curriculum and mode of content delivery. The Member Secretary submitted the details as under:

1. The LITE Minor Degree in Advanced Web Development has been approved as Model Curriculum by AICTE. It is available for access on AICTE website.
2. Pupilfirst Pvt. Ltd. Signed MoU with AICTE and offering training to faculty to make them as faculty coordinator to implement Minor degree program in Advanced Web Development at institute level.
3. The courses under this minor program are offered in online mode for the registered students.

The Council noted and approved the offering of minor degree program in advanced web development from AY 2022-2023.

3.2 Approval of Regulations and Curriculum for Minor Degree and Honour Degree Programs

The minor and honours degree programs are approved by the academic council from AY 2021-2022 during the 12<sup>th</sup> Academic Council meeting held on 18-12-2021. The JNTUH has approved the programs from AY 2022-2023. Hence, the Member Secretary has taken this

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item during 13<sup>th</sup> Academic Council meeting to re-approve the programs and offer them from AY 2022-2023.

With vide reference to JNTUH Approval letter Lr. No. A1/B.Tech. honours / B.Tech. Minor degree / 2022 dated 03-06-2022, the following are the minor and honours degree programs.

- Minor degree programs:
  - B.Tech Minor in Artificial Intelligence and Machine Learning (AI & ML)
  - B.Tech Minor in Cyber Security (CS)
  - B.Tech Minor in Data Science (DS)
  - B.Tech Minor in Internet of Things (IoT)
  - B.Tech Minor in Innovation & Entrepreneurship (I&E)
- Honour Program
  - B.Tech Honours – Computer Science and Engineering (CSE)

**Minor Degree Program:** The student obtaining minor degree along with regular degree will be awarded with "B. Tech. in branch name with Minor in secondary discipline".

**Academic Regulations:**

- Student needs to earn additional 18 credits
- These 18 credits are to be earned from the additional Courses offered by the host department in the college as well as from the MOOCs platform
- The student can withdraw from all the courses registered and/or the credits earned for Minor program at any time
- The student has to earn the required credits in twice the duration of the program
- The student can choose only one Minor program along with his/her basic engineering degree.
- A student who chooses a Minor program is not eligible to choose an Honours program and vice-versa
- The students can register for the Minor program in III year I semester if they fulfil the eligibility criteria
- All these 18 credits need to be completed in III year and IV year only
- The weekly instruction hours, internal & external evaluation and award of grades are on par with regular 4-Years B. Tech. program.

**Eligibility Criterion:**

A student can opt for B.Tech. degree with Minor program if she/he has no active backlogs till II Year I Semester (III semester) at the time of entering into III year I semester.

**Registration for the Courses in Minor Program:**

- The students should choose a course from the list against each semester (from Minors course structure)
- No course should be identical to that of the regular B.Tech. course.

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*Ravindra*

- The maximum number of courses for the Minor is limited to two in a semester along with regular semester courses.
- The registration fee to be collected from the students is Rs. 1000/- per one credit.

**Table 1. Minor Course Structure**

#	Year/Semester	Minor Courses	Credits
1	III B.Tech I Semester	Minor Course – 1 (Theory)	3
		Minor Course – 2 (Practical)	2
2	III B.Tech II Semester	Minor Course – 3 (Theory)	3
		Minor Course – 4 (Practical)	2
3	IV B.Tech I Semester	Minor Course – 5 (Theory)	3
		Minor Course – 6 (Theory)	3
4	IV B.Tech II Semester	Mini-Project on Minor Specialization	2
Total Credits			18

**Table 2: Minor Programs and the Offering Departments**

#	Minor Program	Eligible branch of students	Offering Department	Award of Degree
1	Artificial Intelligence & Machine Learning	B.Tech. in CSE, IT, ECE, EEE, ME and CE	CSE	"B. Tech. in <u>branch name</u> with Minor in Artificial Intelligence & Machine Learning"
2	Cyber Security	B.Tech. in CSE, IT, CSE (AI&ML), AI&ML, AI&DS, ECE, EEE, ME, and CE	CSE	"B. Tech. in <u>branch name</u> with Minor in Cyber Security"
3	Data Science	B.Tech. in CSE, IT, CSE (AI&ML), AI&ML, ECE, EEE, ME, and CE	CSE	"B.Tech. in <u>branch name</u> with Minor in Data Science"
4	Internet of Things (IoT)	B.Tech. in CSE, IT, CSE (AI&ML), AI&ML, AI&DS, ECE, EEE, ME, and CE	ECE	"B. Tech. in <u>branch name</u> with Minor in IOT"
5	Innovation and Entrepreneurship	B.Tech. in CSE, IT, CSE (AI&ML), AI&ML, AI&DS, ECE, EEE, ME, and CE	MBA	"B. Tech. in <u>branch name</u> with Minor in Innovation and Entrepreneurship"

The Council re-approved the academic regulations and curriculum of minor degree programs with effect from 2022-2023 and to register the courses for the required credits during III year I semester, III year II semester, IV year I semester and IV year II semester.

*Apurva* *Chinwath* *Apurva* *Rainda*

**Honours Degree Program:** To expand the domain knowledge of the students laterally and vertically, increase the employability and provide opportunity to pursue higher studies in wide range of specializations.

**Academic Regulations:**

- Student needs to earn additional 20 credits
- These 20 credits are to be earned from the additional Courses offered by the host department in the college or from closely related departments as well as from the MOOCs platform
- The student can withdraw from all the courses registered and/or the credits earned for Honours program at any time
- A student who chooses a Honour program is not eligible to choose a Minor program and vice-versa
- The students can register for the Honours program in III year I semester if they fulfil the eligibility criteria
- All these 20 credits need to be completed in III year and IV year only
- The weekly instruction hours, internal & external evaluation and award of grades are on par with regular 4-Years B. Tech. program.
- There is no transfer of credits from courses of Honours program to regular B.Tech degree course & vice-versa.
- The Honours program should be offered by the departments with their UG program accredited by NBA and offering one PG program.

**Eligibility Criterion:**

- A student can opt for B.Tech. degree with Honours, if she/he passed all courses in first attempt in all the semesters maintaining 7.5 or more CGPA till the results announced.
- If a student fails in any registered course of either B.Tech or Honours in any semester of four years program, he/she will not be eligible for obtaining Honours degree. He will be eligible for only B.Tech degree.

**Registration for the Courses in Honours Program:**

- The students should choose a course from the list against each semester (from Honours course structure)
- No course should be identical to that of the regular B.Tech. course.
- The maximum number of courses for the Honour is limited to two in a semester along with regular semester courses.
- The registration fee to be collected from the students is Rs. 1000/- per one credit.
- Professional Elective (PE) course should be selected (which is not studied) from each Professional Elective list provided in regular B.Tech program.

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- Technical Paper Writing – Identify a research topic, analyze the problem, carryout the experiments, write a technical paper and publish. Start immediately after III-II so the evaluation is done in IV-II.

**Table 3: Honours Courses and Credits**

#	Year/Semester	Honours Courses	Credits
1	III B.Tech I Semester	Honours Course – 1 (Professional Elective – 1)	3
2	III B.Tech II Semester	Honours Course – 2 (Professional Elective – 2)	3
3	III B.Tech II Semester	Honours Course – 3 (Professional Elective – 3)	3
4	IV B.Tech I Semester	Honours Course – 4 (Professional Elective – 4)	3
5	IV B.Tech I Semester	Honours Course – 5 (Professional Elective – 5)	3
6	IV B.Tech II Semester	Honours Course – 6 (Professional Elective – 6)	3
7	IV B.Tech II Semester	Technical Paper Writing	2
Total Credits			20

The Council re-approved the academic regulations and curriculum of B.Tech honours degree program with effect from 2022-2023.


3.3 Approval of Conduction of Supplementary Examinations during July/August 2022 for IV B.Tech II Semester students.


The advanced supplementary examinations for IV B.Tech II semester students for 2020-2021 were conducted during September 2021 for which the results were declared. The students who failed in the above said examinations were allowed to write supplementary examinations conducted during December 2021 and the results were not approved by the affiliating University as this is their second chance in the same semester. In the above mentioned process, the supplementary examinations were not conducted in the subsequent semester which were due during May 2022. The Member Secretary has requested the academic council members to approve the conduction of supplementary examinations during July-August 2022.


The Council noticed that the implementation process of conducting supplementary examinations was not as per regulations. Further, the academic council advised to follow the academic regulations correctly in the conduct of supplementary examinations and suggested to conduct the cancelled examinations along with advanced supplementary examinations of IV B.Tech. II Semester.

3.4 Approval for Single Evaluation of SEE Answer Booklets by External Examiner from AY 2022-2023

The Member Secretary presented the process of evaluation of answer scripts as follows:

  
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 G. V. S. Mohan



- The semester end examination answer scripts shall be evaluated by two examiners – Examiner -1 (E1) and Examiner-2 (E2). Examiner-1 is Internal Examiner and Examiner-2 is External Examiner
- The marks awarded for a course is the average of E1 and E2 if the difference in marks is less than 15% of maximum marks i.e., 12 marks for 75 marks paper and 15 marks for 100 marks paper.

$$Final\ Marks = \frac{E_1 + E_2}{2}, \begin{cases} E_1 \sim E_2 < 12 \text{ for 75 marks paper} \\ E_1 \sim E_2 < 15 \text{ for 100 marks paper} \end{cases}$$

- If the difference in marks obtained during E1 and E2 evaluations is greater than or equal to 12/15, then the answer script is evaluated by the Chief Examiner (E3)
- The final marks in such case is the **average of nearest two evaluations**.
- If the difference of marks is equal, then the **average of best two evaluations** is considered as final marks.

The difficulties in the existing process of evaluation is presented to the members of the academic council and proposed for approval of single valuation by the external examiner followed by revaluation.

Dr. G. K. Viswanadh enquired about the status of digital evaluation and the Principal replied that the digital evaluation need to cut the answer scripts before scanning the booklet, which voids the norms of the University. Further, Dr. G. K. Viswanadh suggested to explore the possibility of scanning the booklets without cutting the papers.

Dr. G. K. Viswanadh and Dr. N. Yadaiah suggested to bring in any such major changes in the new regulations but cannot be amended in the existing regulations abruptly.

The Council differed the proposal and suggested to include it in new regulations.

### 3.5 Approval of Compensating Instruction Period through Online Classes without Extending Academic Calendar

The Member Secretary presented to the academic council that the holidays declared under any unforeseen circumstances during the instruction period (working days) be compensated with online classes and is seeking approval for such compensation without exceeding academic calendar. Further, the Member Secretary informed that the commencement of II year and III year B.Tech classwork for the academic year 2022-2023 is during October and September 2022 respectively which deviates the academic year.

The Council noted and suggested to follow JNTUH instructions in this matter (if any) received from time to time in respect of conduct of online classes.

Ravindra

3.6 Approval for Partial or Full Content Delivery of B.Tech/M.Tech/MBA Mandatory Courses, Open Electives, Professional Electives and Final Year Courses in Online Mode.

The Member Secretary emphasized that the apex bodies are encouraging the courses/programs to be offered in online mode through ODL policy. In this regard, the request is made to provide the provision to offer partial or full content of mandatory courses, open electives, and final semester courses in online mode.

Dr. G. K. Viswanadh opined that face-to-face or physical classes can only provide true learning and in this new normal situation we can go with face-to-face classes only. In case the situation is inevitable then online classes may be conducted.

The Council differed and suggested to conduct face-to-face classes.

#### 4. Items for Ratification

4.1. Ratification of UG and PG-Academic Calendars for the AY 2022-2023

The following UG and PG academic calendars for the academic year 2022-2023 were placed in the Council for ratification.

1. B.Tech II, III and IV Year Academic Calendars 2022-2023
2. M.Tech II Year Academic Calendar 2022-2023
3. MBA II Year Academic Calendar 2022-2023

In all the academic calendars, each semester shall be of 21 weeks' duration (inclusive of examinations), with a minimum of 90 instructional days per semester. The academic calendars are enclosed in the annexure – A4.1

The Member Secretary informed the members that the continuous assessments are conducted as two examinations per day to compensate the hampered academic year due to COVID19. Further, Dr. G. K. Viswanadh and Dr. N. Yadaiah suggested to conduct continuous assessments in zero hours.

The Council ratified the academic calendars for the AY 2022-2023.

The meeting concluded with thanks to the Chair.

*Examinations*  
  
Dean (Academics)

Dean (Academics)  
VARDHAMAN COLLEGE OF ENGINEERING  
Shamshabad, Hyderabad



*Principal*  


Principal  
PRINCIPAL  
VARDHAMAN COLLEGE OF ENGINEERING  
Shamshabad, Hyderabad



