



University College of Engineering

(AUTONOMOUS)

OSMANIA UNIVERSITY, HYDERABAD – 500 007.

No. 1002/Admn./UCE/2021

Date: 07.08.2021

Minutes of the 'online' meeting of the XXXI Academic Council, of the University College of Engineering (A), OU held on 29.06.2021 at 10:00 am.

Members Present

S. No	Name	
1	Prof. Kumar Molugaram	Principal, UCE (A), OU.
2	Dr. E Vidya Sagar	Vice-Principal, UCE, OU.
3	Prof. K.V.L. Subramaniam	Dept. of Civil Engineering, IIT, Hyderabad.
4	Sri. M Sachidanandam	Director, Thermal/TSGENCO, Transmission Corporation of Telangana Limited, Telangana State, Hyderabad.
5	Sri. Madhusudhan Verma	Director, United Health Group, Hyderabad.
6	Dr. M.V. Reddy	Consultant Hand Surgeon Coordinator DNB (ORTHO) Sunshine Hospitals, Secunderabad.
7	Dr. Hari Prasad	Scientist 'G', DRDO, Hyderabad.
8	Prof. V. Bhikshma	Director, CDAAC, UCE (A), OU.
9	Prof. P. Laxminarayana	Dept. of Mechanical Engineering, UCE (A), OU.
10	Prof. Sriram Venkatesh	Dept. of Mechanical Engineering, UCE (A), OU.
11	Prof. G. Yesurathnam	Dept. of Electrical Engineering, UCE (A), OU.
12	Prof. Vijjulatha. M	Dean, Development & UGC Affairs, OU.
13	Prof. K. Shyamala	Director, Academic Audit Cell, OU.
14	Prof. V.V. Basava Rao	Principal, University College of Technology, OU.

15	Dr. D. Suman	I/c. Head, Dept. of BME, UCE (A), OU.
16	Prof. Prof. M. Anjaneya Prasad	Head, Dept. of Civil Engg., UCE (A), OU.
17	Prof. P.V. Sudha	Head, Dept. of CSE, UCE (A), OU.
18	Prof. G. Yesuratnam	Head, Dept. of Electrical Engg., UCE (A), OU.
19	Prof. B. Rajendra Naik	Head, Dept. of ECE, UCE (A), OU.
20	Prof. R. Rajendra	Head, Dept. of Mechanical Engg., UCE (A), OU.
21	Dr. B. Yadagiri	Head, Dept. of Chemistry, UCE (A), OU.
22	Dr. K. Phaneendra	Head, Dept. of Maths, UCE (A), OU.
23	Dr. Ch. Srinivas	Head, Dept. of Physics, UCE (A), OU.
24	Dr. Saveen Souda	Head, Dept. of English, UCE (A), OU.
25	Prof. P. Chandra Sekhar	Director of Evaluation, Examination Cell, UCE (A), OU.
26	Dr. J. Upender	PRO, UCE (A), OU.
27	Mr. S Somasundaram	Assistant Registrar, UCE (A), OU.

Principal welcomed all the members of the Academic Council of the 31st Meeting of University College of Engineering (A), OU. The Principal presented briefly about various developments of the college that happened since the last Academic Council meeting. On behalf of the Faculty, Staff & Students of the University College of Engineering (A), OU, the Principal welcomed the members of the Academic Council to the 31st Meeting of the Academic Council of the College.

The Principal said that the COVID-19 situation had a very big impact on the society in general and specific to college. He welcomed the new members nominated by the University.

The Principal subsequently gave a brief presentation on the history of the college and the various developments since the last Academic Council meeting which included the following points:

- A brief history of the College which started off in the year 1929 with just the Department of Civil Engineering and the youngest department being the Department of Computer Science Engineering in the year 1985. The College is now offering both UG and PG programs in six branches of Engineering and with its 92 years old legacy.
- The intake of the various UG and PG programs in the six branches of Engineering offered by the College and also the supernumerary intake of 10% for foreign students and 10% additional intake for Lateral Entry Students in the second year

through ECET + Vacant seats if any through EAMCET is also filled with ECET candidates.

The following UG, PG & Ph.D programme are offered in the College:

- BE (BME, Civil, CSE, ECE, EEE & Mech) Departments
- ME/M.Tech (Regular & Part-Time) programme (except BME which does not have a Part-Time programme)
- Ph.D programmes are available in all the departments in Regular, Part-Time & through QIP also. (QIP mini centre - AICTE)
- All the under graduate programs offered by the College are accredited by the National Board of Accreditation (NBA) in the year 2019, Bio-Medical Engineering accredited for 6 years ending in 2025 and all other branches for 3 years ending in 2022.
- Since the NBA accreditation is expiring in 2022, preparation for renewal is to be started.
- In view of the student faculty ratio, the College could not get NBA accreditation for six years, but got only 3 years. The (student faculty ratio) Faculty is a compulsory and mandatory criteria for NBA New Delhi. In this context, Principal, said that the need of the hour is the recruitment of the staff. Though meritorious students are joining the college, there is no enough number of faculty in the college to meet the quality requirement. In view of this the quality of the education, research and its publication is being affected.
- The NBA accreditation is due for all the 24 PG programs offered by the College. The pre-qualifiers for 11 out of 24 PG Programs offered by the college have already been uploaded as detailed below:

Civil Engineering: Structural Engineering, Transportation Engineering, Water Resources Engineering.

Computer Science Engineering: Computer Science Engineering.

Electronics and Communication Engineering: Digital Systems

Electrical Engineering: Industrial Drives & Controls, Power Systems, Power Electronics & Systems.

Mechanical Engineering: Production Engineering, Automation & Robotics, Turbo Machinery.

The college could not go for accreditation of other PG programs due to lack of Faculty student Ratio.

Briefed in detail about the composition of the Governing Body and Academic Council of the College. The Governing Body meeting of the college is conducted 4 times in a year., as per the TEQIP norms.

The College has about 128 faculty members, which includes Professors (28+4*), Associate Professors (22) and Assistant Professors (38+36#)

4* - Visiting Professors

36# - Assistant Professors (Contract)

- The College has received grants to the tune of 34 crores under TEQIP I, II and III and now the focus is on TEQIP IV which shall involve Research and Patents. The College is planning to prepare TEQIP-IV – IDP for a tune of Rs. 25 crores. The College got 4th place in TEQIP-III performance in National Level.
- The College has obtained 88th rank in the NIRF 2020 rankings. The marks obtained have increased but the rank remained the same due to huge competition across the country. The ranking for 2021 is not yet declared, awaiting for the results.
- Our University has NAAC accreditation upto 2024 (since 2017 onwards) with A+ grading.
- The College has initiated ‘total automation’ and 90% of the process is complete. The Examination Cell of the College is fully automated. Receipts and payments are also digitalized. The College initiated the automation work in 2018.
- The College is sanctioned 10 crores under RUSA, of which few lakhs is already received towards teaching and learning improvements. Three Centres of RUSA, namely Cyber Security, Artificial Intelligence & Machine Learning and One Mini-centre worth one crore have been established in the University College of Engineering, OU, which is under good progress.
- As regards Placements, students numbering 190 have got placements, with an average pay of Rs.6.70 per annum and the highest pay being Rs. 22 lakhs per annum and a minimum is 3.70 lakhs per annum for the academic year 2020-2021.
- An MoU has been signed recently by the University with Ground Water Department of Telangana, and NHA through Department of Civil Engineering, University College of Engineering (A), OU and Midwest Energy Pvt. Limited through the Department of Electrical Engineering, University College of Engineering (A), OU.
- The Department of Computer Science Engineering is started a new Program in Artificial Intelligence and Machine Learning (AI&ML) from the academic year 2020-21 with an intake of 18 students.
- Faculty of University College of Engineering got funding for Research from UGC.
- The AICTE sponsored (5) AICTE programmes are completed successfully during the last academic year 2020-2021, by the Department of Computer Science & Engineering and Mechanical Engineering, University College of Engineering (A), OU. Further, (5) more ATAL programmes are sanctioned during this academic year with 2 programmes each by the Department of Mechanical & Civil

Engineering and I programme by the Department of Computer Science & Engineering, University College of Engineering (A), OU.

Online Initiatives taken up by the college:

- The college has planned to provide access for e-text books/Journals/study materials to the faculty, staff and students, which can be accessed directly from Hostels, Home etc.
- Conducted two week “Induction Programme” for BE First Semester students through online.
- Another task taken up by the College is strengthening of Internet facilities to the students and faculty in the college and also Department.
- Instead of Bio Metrics attendance, the college has decided to procure face recognition devices for the attendance.
- It is decided to provide cameras & audio system facility in all the Class Rooms of BE & ME Programmes.
- Rencwal of CC Cameras & Maintenance is also being taken up shortly.
- Providing digital boards in all the Class Rooms of the College.
- To be also decided to go in for office automation for all the communication purpose (e-office). This is also the main objective of the University now.
- The college is planning to take up of recording the video lectures in association with EMRC, OU.
- Students joining process who sought admission into BE & ME Programs during the academic year 2020-2021 was made online. Once the students are allotted to the College by the concerned convener, the student can apply & confirm their admission through online process. The same online procedure, the college would continue this academic year also.
- On Screen Evaluation introduced during the academic year 2020-2021 was successful. However due to the COVID-19 pandemic situation the process could not be completed totally.
- The College made all the Payments & Receipts through online mode.
- All the equipments purchased for the department/college through TEQIP-III, RUSA 2.0 or from other funds is by using GeM Portal, which is very helpful.

New Introduced Activities

- Based on the suggestion given by the NBA team, the College is planning to release Technical Magazine of the College.
- The existing IDIC, UCE (A), OU is renamed as Institutional Innovation Incubation Centre (IIIC), UCE (A), OU, with main focus on Incubation rather than consultation. The consultation work is decentralized and the Department is expected to explore the possibilities.

- The College created Industry Institutional Interaction Boards in Every department. The Board is expected to meet at least 4 times in a academic year to explore the possibilities of exchange (of views/ideas) between the Industry & the College.
- The College has decided to strengthen the Enterprise Resource Planning Cell (ERPC), UCE (A), OU by allocation of Rs. 30.00 to Rs. 40.00 lakhs. In the coming year ERP Cell is going to play a key role in overall automation of the College.
- Planned to complete the whole automation process by the end of this year 2021.
- TEQIP-III completed successfully with the highest rating at the national level.

The above activities have been planned to be taken up in the next six months to one year.

Rules & Regulations

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|-----|---------------------|---|
| I. | BE program:- | (a) Pass criteria for BE students admitted in the academic year 2020-2021. |
| | | (b) Implementation of AICTE Model Curriculum VII & VIII Semesters (academic year 2021-2022). |
| II. | ME/M.Tech program:- | (a) Criteria for first class with Destination |
| | | (b) Plagiarism check introduced for the project work from 2021-2022. |
| | | (c) Implementation of AICTE Model Curriculum for III & IV Semester (academic year 2021-2022). |

A total of about 28 students were awarded Ph.D during the academic year 2019-2020 in Faculty of Engineering.

The Principal informed that the Alumni of the College particularly Electronics & Communication Engineering Department of 2017, 2018 & 2019 batch excelled with 31, 38 & 41 ranks in IES 2020.

- A student of Computer Science & Engineering Department of 2018 batch got placed with a 2.00 crore package in Google Company in US recently.
- About 101 students of BE VIII Semester of the batches 2020-2021 academic year qualified in GATE 2021.
- There was also a mention about the **various NSS Activities, conducted there** during the last academic year 2020-2021.
- There was also several programmes conducted in the college by NCC and same cadets also received prizes for the achievements at the national & state level.

Student centric policies of the college:

NPTEL course chapter is available with the college established in August, 2018. About 309 students registered / enrolled during the academic year 2020-2021 (3 an – April – 2021) for various courses.

Lateral entry students admitted into BE 2nd year of study are conducted Bridge courses.

In response to the notification issued by the Start-up Cell, Technology Development Centre (TDC), University College of Engineering (A), OU on 03.03.2021, six applications were received from (4) students of Computer Science & Engineering and (2) students of Mechanical Engineering to set up Start-up activities at the Start-up Cell, of the College along with the ideas. The ideas have to be scrutinized & examined and the selected students waved be provided (seed money) monetary support, this encouraging them to come up with the new innovation.

For the benefit of the students several clubs were initiated by the college namely Music Club, Idea Club, Photography Club, painting & Arts Club, Sports Club, Swatch bharath Club, etc., during the academic year 2020-2021. Various Activities are going on which are taken up by the Clubs.

The curriculum & Teaching – learning process and Implementation were updated to the members of the council. It was mentioned that curriculum is divided into (i) basic sciences (ii) Humanities & Serial Sciences (iii) Engineering Sciences (iv) Professional Core (v) Program electronics and vii) Laboratory Projects/Industry attachment program etc. The Board of studies strictly followed the above criteria and prepare the syllabus – accordingly.

- The Scheme of the Examination i.e., in CBCS & AICTE Scheme for the UG programme was also discussed.
- Various facilities and the Technical support available in the College was listed for the information members and was explained.
- Various committee's constituted as per the norms & requirement was also explained.
- Best practices adopted by the college for the overall smooth Running of the Administration and conduct of the Academic activity in the interest and welfare of the students, was also listed and explained in detail about them.

Item 1: Recommendations of the Board of Studies in Bio-Medical Engineering:

Resolved to approve the recommendations of the Board of Studies with

- (i) B.E Scheme for I to VIII Semester and Discussion on Syllabus for VII & VIII Semesters (AICTE model Curriculum)
- (ii) M.E / M.Tech. Scheme for I to IV Semester and Discussion on Syllabus for III & IV Semester (AICTE model Curriculum)

Item 2: Recommendations of the Board of Studies in Civil Engineering:

Resolved to approve the recommendations of the Board of Studies with

- (i) B.E Scheme for I to VIII Semester and Discussion on Syllabus for VII & VIII Semesters (AICTE model Curriculum)
- (ii) M.E / M.Tech. Scheme for I to IV Semester and Discussion on Syllabus for III & IV Semester (AICTE model Curriculum)

Item 3 (A): Recommendations of the Board of Studies in Computer Science & Engineering:

Resolved to approve the recommendations of the Board of Studies with

- (i) B.E Scheme for I to VIII Semester and Discussion on Syllabus for VII & VIII Semesters (AICTE model Curriculum)
- (ii) M.E / M.Tech. Scheme for I to IV Semester and Discussion on Syllabus for III & IV Semester (AICTE model Curriculum)

Item 4: Recommendations of the Board of Studies in Electronics & Communication Engineering:

Resolved to approve the recommendations of the Board of Studies with

- (i) B.E Scheme for I to VIII Semester and Discussion on Syllabus for VII & VIII Semesters (AICTE model Curriculum)
- (ii) M.E / M.Tech. Scheme for I to IV Semester and Discussion on Syllabus for III & IV Semester (AICTE model Curriculum)

Item 5: Recommendations of the Board of Studies in Electrical Engineering:

Resolved to approve the recommendations of the Board of Studies with

- (i) B.E Scheme for I to VIII Semester and Discussion on Syllabus for VII & VIII Semesters (AICTE model Curriculum)
- (ii) M.E / M.Tech. Scheme for I to IV Semester and Discussion on Syllabus for III & IV Semester (AICTE model Curriculum)

Item 6: Recommendations of the Board of Studies in Mechanical Engineering:

Resolved to approve the recommendations of the Board of Studies with

(i) B.E Scheme for I to VIII Semester and Discussion on Syllabus for VII & VIII Semesters (AICTE model Curriculum)

(ii) M.E / M.Tech. Scheme for I to IV Semester and Discussion on Syllabus for III & IV Semester (AICTE model Curriculum)

Item 7: Permission to submit M.E / M. Tech. Dissertations beyond the stipulated period to students at the Departments of Civil Engineering, Computer Science & Engineering and Mechanical Engineering.

The matter was considered and it was resolved to accord permission to M.E/M.Tech students of the following Departments, to submit their dissertation Thesis beyond the stipulated period and to submit the same within three months **from the date of Academic Council.**

Department of Civil Engineering				
S. No.	Name of the Student	Roll No.	Dissertation	Remarks
1.	Mr. R. Kiran Kumar	1005-13-746112	Yes	Agreed to
Department of Computer Science & Engineering				
2.	Mr. Hussein Alaa Hussin	1005-15-742125	Yes	Agreed to

The Academic Council did not agree to the following students of ME/M.Tech (Regular / PTPG) program, to submit the dissertation.

Department of Electronics & Communication Engineering				
S. No.	Name of the Student	Roll No.	Dissertation	Remarks
1.	Mr. K. Rambabu	1005-17-744209	Backlogs, No Dissertation	Not agreed to
Department of Mechanical Engineering				
2.	Mr. Maloth Bharath	1005-16-765113	Backlogs, No Dissertation	Not agreed to
3.	Mr. A. Sai Kiran	1005-16-765103	Backlogs, No Dissertation	Not agreed to

Item 8: Permission to ratify the action taken by the Principal in conduct of Examination of UG & PG courses for the academic years 2019-2020 and 2020-2021.

Resolved to accord permission and to ratify the action taken by the Principal into conduct Examination of UG & PG courses of previous semesters and current semesters

for the academic year 2019-2020 & 2020-2021 through online/offline mode, on the basis of the COVID-19/Pandemic Situation.

Item 9: Request for permission to Award First Class with distinction to the students of ME/M.Tech (Regular and PTPG) program for the batch of Regular 2018-2019 & PTPG 2017-2018.

The matter was considered and it was resolved to accord permission to award First Class with distinction to all the students of ME/M.Tech (Regular and PTPG) program (for the batch of Regular 2018-2019 & PTPG – 2017-2018) who have passed in single attempt and secured Cumulative Grade Point Average (CGPA) points of 8.00 and above, and have submitted the dissertation on or before 30th June, 2021., in view of the COVID-19 Pandemic Situation (usually dissertation in accepted only upto 31st December.

Tabled Agenda

Item: 1 Rules & Regulations for the ME/M.Tech (Regular & PTPG) program with the introduction of plagiarism for the batch of student of the academic year 2020-2021..

The matter was considered and resolved to approve Rules and Regulations for the ME/M.Tech (Regular & PTPG) program with the introduction of plagiarism upto 30% for the bacth students admitted/joined in 2020-2021 and submitting their dissertation during the academic year 2021-2022.

Item: 2 Request for permission to incorporate as one of the Rules & Regulations to the students of ME/M.Tech (Regular & PTPG) programme, for the award of distinction to there who submit dissertation on or before 31st December every year.

The matter was considered and resolved to permit and incorporate as one of the Rules & Regulations (to the students of) for ME/M.Tech (Regular & PTPG) program for the award of distinction, to those who submit their dissertation on or before 31st December every year.

The Academic Council meeting ended with an Vote of thanks by the Vice- Principal.


PRINCIPAL