University College of Engineering

(AUTONOMOUS)

OSMANIA UNIVERSITY, HYDERABAD - 500 007

ESTD: 1917

ESTD: 1929

No: 216 /Admn./UCE OU/2025

Date: 28 .01.2025

To

1. The Director, CDAAC, UCE (A), OU.
2. The Vice Principal, UCE (A), OU.
3. The Director, Evaluation Exam Cell, UCE (A), OU.
4. The Director, ERP Cell, UCE (A), OU.
5. All the Heads of the Departments, UCE (A), OU.

Sub: University College of Engineering (A), OU – Minutes of the Heads of the Department Meeting held on 03.01.2025 – Communicated.

* ** *

Sir/Madam,

Please find enclosed herewith a copy of the Minutes of the Heads of the Department Meeting held on 03.01.2025 at 03.30 PM in e-Comittee Room, Main Building, University College of Engineering (A), OU for your kind perusal.

PRINCIPAL

Copy to:
1. The Deputy Registrar, UCE (A), OU.

28-01-25

DESPATCHED

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Minutes of the Meeting of Heads of the Departments held on 03.01.2025 at 03:30 PM at e-Committee Room, Main Building UCE (A), OU.

Members Present

1.	**Prof. P.Chandra Sekhar**	-	Principal
2.	**Prof. B. Mangu**	-	Vice Principal
3.	**Prof. A. Krishnaiah**	-	Director, CDAAC
4.	**Prof. M. Manjula**	-	Director, ERP Cell
5.	**Prof. M. Malini**	-	Head, BME
6.	**Prof. K. L. Radhika**	-	Head, CED
7.	**Prof. P. V. Sudha**	-	Head, CSE
8.	**Prof. E. Vidyasagar**	-	Head, EEE
9.	**Prof. D. Rama Krishna**	-	Head, ECE
10.	**Prof. M. Chandrashekar Reddy**	-	Head, Mech.
11.	**Dr. M. Satish Kumar**	-	Professor of Practice
12.	**Dr. N. Narsimlu**	-	I/c Head Physics
13.	**Prof. Saveen Souda**	-	Head, English
14.	**Dr. K. Ramesh Babu**	-	Head, Mathematics
15.	**Dr. Dr. D. Suman**	-	Training & Placement Officer
16.	**Dr. P. Lokender Reddy**	-	College NBA Coordiantor
17.	**Dr. J. Upender**	-	Nodal Officer Statistical Cell

Principal, UCE (A), OU has welcomed the Vice Principal, CDAAC Director, and all the Heads of the Departments and Administrative officers to the Meeting.

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Principal gave a perspective plan, to be presented to the Hon'ble Vice Chancellor on 11th January, 2025.

Short Term Plans

Academics

- **NBA Accreditation for UG and PG progammes**
- **NAAC Accreditation**
- **International Conferences/Workshops**
    - National Workshop on Solving Complex Communication and Radar Challenges Through Advanced Antenna Engineering during 9th to 10th June 2025
    - 8th IFIP International IoT Conference in October 2025
    - Five Day workshop on NavIC - The Game Changer: December 2025
    - One day seminar on (i) Applications of AI Machine learning & Deep Learning in Power Electronics (ii) Optimization Techniques (iii) Battery Management Systems
    - MoA with HUB (NITW) and SPOKE (UCE) – Financial support to conduct online-physical FDPs in the Thrust Areas
    - Student Level Technical Symposia in March, 2025

- **Industry/Academic Experts involvement in Teaching Learning Process**
    - Co-teaching in selected chapters of UG and PG courses
    - Co-guidance and Examiners for Project Dissertations
    - Offering Theory/Lab/Project courses of Minor and Honors programs
    - Encourage students to take up NPTEL courses for advanced subjects
- **Introducing New Courses**
    - BE for Working Professionals in the Departments of ECE and EE
- **Certificate Programs with Industry Collaboration**

  Civil Engineering
    - ➤ Two months certificate course in collaboration with Strut Software Center (ISO recognized organization) under MSME, Govt. of India
    - ➤ One month certificate course in Water Resources Modeling Approaches
    - ➤ A certificate program on Geotechnical Investigations with Industry collaboration in academic year 2025-26

  BME: Certificate course in Radiology & Imaging Technology

  CSE
    - ➤ A Program in Deep Learning – of 30 Hours to be offered in Jan 2025
    - ➤ A Program in Cyber-Security – of 30 hours to be offered in Jan 2025
    - ➤ A Program in Cyber-Security with Deep Learning of 25 hours to be offered in Feb 2025
    - ➤ A Program in Computer Vision – of 20 hours to be offered in Feb 2025

  ECE
    - ➤ Training to High School students on IoT based Smart systems in collaboration with Soham Academy

    - ➤ Six Months/One Year Program on VLSI Design in collaboration with MOSart Labs

  Mechanical Engineering
    - ➤ Courses in CMM, CNC and Robotics

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- **Training & Placements Office**
  Training
    - ➢ Communication Skills training through Freestyle in UG I semester
    - ➢ Aptitude training in UG III semester
    - ➢ Pre-Placement training thru Samanvaya in UG V semester
    - ➢ Skill enhancement-based training in the emerging areas like AI, ML, DS, Robotics to encourage students for dream job with good package
    - ➢ Specialization wise technical training suggested by departments and HR
  Placements
    - ➢ Release of Placement Flyer for vide publicity by February
    - ➢ Conduction of state level HR conclave in June
    - ➢ Encouraging students for internships in core organizations
- **In Collaboration with NCAM**
    - ➢ Conduction of workshops/ symposium/Conference on Recent Innovations in Additive Manufacturing in collaboration with CPDDAM and Dept of Mechanical Engineering, UCE, OU
    - ➢ Providing Internship to students of UCE, OU in the companies associated with NCAM
    - ➢ FDPs/Skill Development programs to students of UCE, OU

Research

- Visveswaraya Scheme for PhD admissions in eligible departments.
- **Center of Excellence in Artificial Intelligence & Integrated Circuits (AI^{2}C)**
    - ➢ Focusing on Fostering Interdisciplinary Research, Development and Innovations of AIand IC
    - ➢ ADPLL Core Development
    - ➢ Training the Manpower in Chip Design
    - ➢ Internships on Industry problems
    - ➢ Consultancy
    - ➢ Startups
- **MOU (Research Collaborations)**
    - ➢ ARMREB, DRDO, ISRO,ECIL
    - ➢ Astra Microwave Products Limited, Hyderabad
    - ➢ National Remote Sensing Centre (NRSC), Hyderabad
    - ➢ Zoicx Technologies Pvt Ltd., Hyderabad
    - ➢ National Highway Authority of India (NHAI)
    - ➢ Central Road Research Institute (CRRI) survey of India
    - ➢ Gandhi Medical College

Innovation

- ➢ Patents
- ➢ Technology Transfer
- ➢ Start-up support
    - Smart India Hackathon -2025
    - Encourage the students to take up start up ideas with Centers like IITH-Centre for Healthcare Entrepreneurship program.
    - Encourage the faculty to apply for joint patents with industry personnel.

Ask

Infrastructure

S.No	Requirements	Cost (In Rs. Crores)
	Civil Infrastructure	
1	Repairs of ceiling and columns damage in main building, UCEOU	2.5
2	Waterproof treatment of H&S, BME, ME, ECE, EE, Mechanical Departments	4.0
3	Construction of 500 capacity Hostel	15.0
4	Construction of Prof Y Narasimhan Building, Dept EE	5.0
5	Construction of AIML Classroom	5.0
6	Construction of Dept of Mining Engineering	5.0
7	Waterproof treatment of DJL & TDC Building	3.0
	IT Infrastructure	
8	10 Gbps uninterrupted internet facility	0.50
	Human Resource	
9	Professors of Practice, Chair, Adjunct and Visiting Professors	1.25
10	Technical / Lab staff	0.50
11	Administrative Office Staff	0.30
12	Lab Equipment Repairs, Maintenance, AMC, Software Renewals	1.0

New Initiatives:

- Weekly News Bulletin in social media
- Semi-Annual Newsletter
- Dynamic Website
- Institute promoted Milestone Reunions like 25-year or 50-year batch every year.

Long Term Plans

- **Introducing New Courses**
  - Introduce PG Course in Medical Devices specialization in the department of BME with Department of Biotechnology support, after studying Academic and Financial viability.
  - PG course in EV in the department of EE
  - BE program in VLSI Design with MOSart Labs
- **In Collaboration with NCAM**
  - Conduction of International Conference in Additive Manufacturing in collaboration with CPDDAM and Dept of Mechanical Engineering, UCE, OU
  - Conduction of certificate courses in association with NCAM & CPDDAM
  - Start-up companies by ALUMNI of UCE, OU in collaboration with NCAM
  - Applying Joint Collaborative Research Projects utilizing the facilities at NCAM & CPDDAM in Additive Manufacturing with funding agencies like DST/MEITY/UGC/AICTE/Defence Labs etc
- Organising Skill Development Programs to Faculty, Students & Industry personnel
- Industrial Visits for UG/PG Students
- Quality Summer Internships
- Start-up and Project Guidance
- NABL/NABH/JCI Accreditation
- Networking with OU affiliated colleges

Ask

Research

Center of Excellence
- Center of Excellence in Smart Power Systems (EV)
- Center of Excellence in Robotics

MOU (Research Collaborations)
- IITH, IIITH,NITW
- CITD,CSIR Labs: IICT, CCMB, NGRI
- NLCI, NMDC, Math Works India Private Ltd
- University of South Florida, USA

- Industry Sponsored Labs –
  - NVIDIA Sponsored Lab with T-AIM, Govt. of Telangana
- Industry Internship –
  - Internships from Google/ Amazon/ Microsoft to be explored and implemented for Summer Internship of 2025
- Start-up Guidance

Innovation
- Product Development
- Sustainable Development Goals (SDGs)
- Incubation Center

Infrastructure

S.No	Requirements	Cost (In Rs. Crores)
	Civil Infrastructure	
1	Renovation of Main Building	
2	Construction of Second floor in H&S building	14
3	Gym facilities	0.50
4	Facilities for PWD	1.0
5	Internal repairs	1.5
6	Repairs & Maintenance of Classrooms, Lab Area, Office Area, and Common facilities	10
7	Repairs & Maintenance of Hostel & Messes,	3.2
8	Repairs & Maintenance of Drainage Lines, Water Pipelines	2.2
	Other Infrastructure	
9	10 Computer Labs with a Server	5.0
10	Research Development Fund	5.0
11	New 1000 KVA Transformer and 1 MW Roof-Top Solar panel	1.8

New Initiatives
- Human Resource
  - Tri-party Networking: Institute-Government-Industry
  - Professors of Practice, Chair, Adjunct and Visiting Professors
  - State of Art Laboratories
  - Joint Research & Consultancy collaborations
  - Internships
- Lab & IT support staff
- NABL/NABH/JCI Accreditation
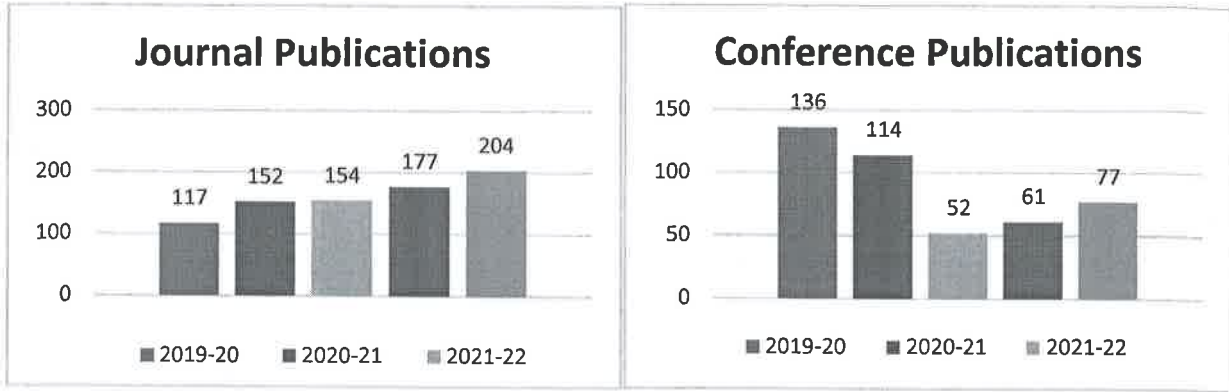- Collaborations with International Institutions

Ask

Institute Major Achievements for last five years

- Received Rs. 8.4 crores under TEQIP-III. Out of which 1.4 crores were received for being one of the **best performing institutes** in the country recognized by NPIU and scored 1.13 (1-3 scale, 1 is excellent and 3 is satisfactory).
- Introduced **automation process** for enrollment of admission, subject registration, all payments, issue of certificates.
- Introduced **Onscreen Evaluation** for UG and PG courses.
- **Conducted Online Exams** for facilitating the Outgoing Batch of UG and PG courses to continue their career without break in the Pandemic period successfully.

- **NBA Accreditation**
  - **Cycle 1:**
    - UG: BME - 6 years (2019-2025), CIV, MED, ECE, EEE, CSE – 3 years (2019-2022)
    - PG: CSE, DS, IDC, PS – 3 years (2021-24)
  - **Cycle 2:**
    - UG: CIV,MED,ECE,EE,CSE – 3 years (2022-2025)
    - PG: SE, WRE, TE, PE, TM – 3 years (2022-2025)
  - **Cycle 3:**
    - PG; DS, IDC, PS, PES – 3 Years (2024-27)

- The UGC has sanctioned an extension of **autonomy** for a period of 10 years up to 2031.
- Introduced **Minor and Honors Programs** for V Semester students **and BE Minor** in BFSI.
- 9 Professors of Practice and 2 Chair Professors
- PGECET and TGECET
- **Rs 25 Crore** Industry, Alumni and UoH Support for Infrastructure and Manpower Development
- **Tuition Fee assistance** by NGOs.
- United Way of Hyderabad and North South Foundation (NSF) sanctioned Tuition fee reimbursement to 200 students worth of Rs. 2 Crore.
- Students Excel in National level competitive examinations like UPSC, Indian Patent officers, GATE.
- Reimbursement of article processing charges (Rs. 1.5L), filing patents, authoring books and Registration Fee, TA/DA to the faculty for attending international/ national conference/workshops/ seminars etc.
- Financial support for conducting FDPs/ Conferences/ Workshops/ Training Programs and Industrial visits.
- Students Excel in National level competitive examinations like UPSC, Indian Patent officers, GATE and in various National level curricular and Extra-curricular activities

Achievements in last 5 years	
Patents	10 Granted, 70 applied
R&D Projects worth	25.22 Crores
Consultancy	750 Lakhs
Textbooks authored by the faculty	6
Endowment Lectures	6
Academic Research Committee Lectures	16
Invited Talks	6
Alumni Talks	11

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Journal Publications

Conference Publications

Faculty Awards in last five years

S.No	Award Name	Awarded by	Awardee	Dept.	Year of Award
1			Prof. P. Chandra Sekhar	ECE	2024
2			Dr. K.E.Ch. Vidyasagar	BME	2024
3			Prof. P. Raja Sekhar	CED	2022
4			Prof. A. Krishnaiah	MED	2020
5	Best Teacher Award	Government of Telangana	Prof. M. Gopal Naik	CED	2020
6			Prof. G. Mallesham	EED	2020
7			Prof Sriram Venkatesh	MED	2019
8			Prof. M. Kumar	CED	2018
9			Prof. S. Sameen Fatima	CSE	2017
10			Prof. P. Satish Kumar	EEE	2014
9	Lifetime Achievement Award		Prof. V. M. Pandhari Pande (Retd.) Professor	ECE	2024
10	Prof. K. Sreenivasan Memorial Award	Institution of Electronics & Telecommunication Engineers (IETE)	Prof. P. Naveen Kumar	ECE	2024
11			Prof. P. Chandra Sekhar	ECE	2023
12			Prof DN Reddy, Retd. Professor	MED	2024
13	Bharat Ratna SirMokshagundamVisvesvarayyaAward	Institution of Engineers	Prof. Sriram Venkatesh	MED	2021
			Prof. P. Sathish Kumar	EED	2022

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15			Prof. L. Nirmala Devi	ECE	2023
16	Engineer of the Year Award	Institution of Engineers	Prof. M. Gopal Naik	CED	2020
17			Prof. G. Mallesham	EED	2019
18			Prof. M. Kumar	CED	2018

Outcomes of TEQIP

➢ Four New Laboratories Created & Twenty Existing Laboratories Strengthened. (with a worth of Rs. 9,56, 9000.00)

➢ Scholarships Provided to 28 No. of Ph.D. Students From TEQIP: Rs. 1,45,2000.00

➢ Funded to 35 No. of Students for Paper Presentations

➢ Rs. 9,00,000.00 Funded for National Level Technical Symposia organized by students in college.

➢ 22 No. of Industrial Visits: Rs. 6,04, 375.00

➢ Support for GATE Entrance Exam Fee: Rs. 1,96, 500.00

➢ Seed Money is Provided to 21 Faculty members: Rs 21,00,000.00

➢ The College would receive RUSA 2.0 shortly. Heads of the Departments are therefore requested to submit the revised proposals without exceeding allocated budget for each Department by on or before 31.01.2025.

➢ The University College of Engineering thanks Sri. Gopal T.K. Krishna for his presence during NBA Expert Committee visit for accreditation PG especially for Dept. of Electrical Engineering.

✓ Members suggested:
  (i)   Construction of Hostels for Girls, PG & Ph.D Students.
  (ii)   Electrical re-wiring at Main Building.
  (iii) Propose Short/Long term plans for Training & Placement.

✓ Principal requested to Heads of Departments to provide every minute information pertaining to NIRF Ranking.

✓ As per the Hon'ble Vice Chancellor direction, a micro level examination of NIRF ranking is done at the University level. The same measures will be adopted at the College. In this connection, Scholarship Data of UG/PG/Ph.D/JRF/RA, Gold Medals and Cash Awards etc., has to be included in NIRF Data. Further, the information regarding the faculty member guiding Ph.D Scholar other than OU, Guest faculty, Part-Time faculty and any donations to the Department must be forwarded. All these items have the weightage in NIRF Ranking.

✓ All the information must be submitted by 10th of January, 2025.

✓ The Vice Principal requested to upload the sessional marks of B.E. I, III, V & VII Semesters and M.E. III Semester (Regular & CEEP).

The Vice Principal concluded the meeting with vote of thanks.

PRINCIPAL

Ask