



Additional Information

3.2.3.1: Number of teachers recognised as research guides

Five departments of CBIT are recognized as research centres by Osmania University. The details are as follows

List of Recognized Research Centers by OU

S. No.	Department	Year of first Recognition
1.	Civil	2017-18
2.	CSE	2011-12
3.	ECE	2012-13
4.	EEE	2017-18
5.	Mechanical	2007-08

The Research activities carried out in the institutions during the last five years. The brief details of research activities in each department are as follows

1. Civil Engineering

Name of the Department	Civil Engineering
Name(s) of the PG programs offered in the department	1. Structural Engineering
No. of Recognised Supervisors	3
No. of Scholars awarded with Ph D	5
No. of Scholars Submitted Thesis	1
No. of Scholars perusing	17
Research Areas of the Supervisors/Department	<ul style="list-style-type: none"> • Alternate/Sustainable construction materials like Geo polymer concrete, Recycled aggregate concrete, Self Compacting Concrete, Self Curing Concrete, Bacterial Concrete, Supplementary cementitious materials, Fibre reinforced concrete etc. • Behaviour of shear deficiency beams • Structural Engg./Structural dynamics
No. of R & D Projects Completed	1 UGC
No. of Consultancy Projects Completed	36 from (2013-2019)
No. of Scopus/SCI/WoS publications	98

Details of the Software tools available	1) Bentley STAAD Pro 2) Visual Modflow WH-051 Pro(1x crack) 8526P709 VMPST#-460 1863598930-8090 VMPST3-460 – 1863629279 3) ArcGIS Desktop Advanced (ArcGIS Pro& Arc Map) with 10 extensions 4) ABAQUS- Version 6.12 5) ANSYS(Analysis Systems)-Version 14.5 6) MIDAS-Integrated Solution System for Bridge & Civil Structures – Version 2.1
Details of the Hardware/equipment available for research	70 Computers Advanced concrete lab with equipment like RCPT, Resipod, Accelerated curing tank, flexural testing facility for beams 300 T CTM 100 T UTM Jaw crusher for recycled aggregate Impact Testing Machine for high strength concrete
Industry supported lab details	Hexagon Lab with 20 Systems and Software (GT Strudel, CAESAR-II, PVELITE and TANK software) – Costing Rs. 6,64,80,000/-

2. Computer Science Engineering (CSE)

Name(s) of the PG Programs offered in the department	1.M. Tech (AI&DS) 2.M.Tech (CSE) 3. Master of Computer Applications (MCA)
No. of Recognized Supervisors	12
No. of Scholars awarded with Ph.D	22
No. of Scholars Submitted Thesis	10
No. of Scholars pursuing	65
Research Areas of the Supervisors/Department	Image Processing, Computer Networks, IoT, Machine Learning, Recommender Systems, Augmented Reality-Virtual Reality, Information Security, Cloud Computing, Edge Computing, Neural Networks, Data Mining, Mobile Databases, Big Data Analytics, Cyber Security
No. of R & D Projects Completed	01
No. of Consultancy Projects completed	02
No. of R & D Projects under execution	02
No. of Scopus/SCI/WoS Publications	124/04/35

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 (Autonomous)
 Gandipet, Hyderabad-500 075.

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3. Electronics and Communication Engineering (ECE)

Name(s) of the PG Programs offered in the department	1. M.E (Communication Engineering) 2. M.E (ES&VLSID)
No. of Recognized Supervisors	08
No. of Scholars awarded with Ph.D	18
No. of Scholars Submitted Thesis	06
No. of Scholars pursuing	42
Research Areas of the Supervisors/Department	Communications and Navigation Systems Embedded and IoT RF & Microwave, Antennas and Photonics Signal Processing VLSI, Micro Electronics.
No. of R & D Projects Completed	06
No. of Consultancy Projects Completed	04
No. of R & D Projects under execution	03
No. of Scopus/SCI/WoS Publications	286 (Scopus:210, SCI/WoS:76)

4. Electrical Electronics Engineering (EEE)

Name of the PG Programs offered in the department	M.E (Power Systems and Power Electronics)
No. of Recognized Supervisors	07
No. of Scholars awarded with Ph.D	03
No. of Scholars pursuing	39
Research Areas of the Supervisors/Department	1. Power Electronics, FACTS Controller 2. Distribution Systems 3. Renewable Energy 4. Power Systems, Power Quality Engineers 5. Power Systems Optimization Techniques
No. of R & D Projects Completed	01
No. of R & D Projects under execution	01 (11 Lakhs- AICTE- RPS)
No. of Consultancy Projects under execution	01 (20 Lakhs - Najran University, Ministry of Education, Kingdom of Saudi Arabia)
No. of Scopus/SCI/WoS Publications	147

5. Mechanical Engineering (ME)

Name(s) of the PG Programs offered in the department	M.E (CAD/CAM) M.E (Thermal Engineering)
No. of Recognized Supervisors	14
No. of Scholars awarded with Ph.D	41
No. of Scholars Submitted	01

Ph D thesis	
No. of Scholars pursuing	78
Research Areas of the Supervisors/Department	Engineering design, Composite and nano materials, Fracture mechanics, Robotics, Manufacturing engineering, Metal forming, Additive manufacturing, Superplastic forming, Industrial engineering, Vibrations and Acoustics, CAD/CAM, Internal combustion engines, Alternative fuels, Solid mechanics, Machine design, Friction stir welding, Renewable energy technologies, Finite element analysis
No. of R & D Projects Completed	21
No. of Consultancy Projects completed	02
No. of Consultancy Projects under execution	01
No. of Scopus/SCI/WoS Publications	141 (last Five Years)



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Gandipet, Hyderabad-500 075.