
HAND BOOK



2018-2019

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S. No	Table of Contents	Page.No
1	Vision & Mission	9
2	Academic Programmes	10
3	Academic Calendar	13
4	Introduction	18
5	Organizational Structure	19
Academic Departments		
6	Department of Biomedical Engineering	37
7	Department of Civil Engineering	51
8	Department of Computer Science & Engineering	87
9	Department of Electronics & Communication Engineering	101
10	Department of Electrical Engineering	120
11	Department of Mechanical Engineering	134
12	Department of Chemistry	171
13	Department of Mathematics	172
14	Department of Physics	175
15	Department of English	177
Other Centers		
16	Centre for English Language Training (CELT)	181
17	Department of Physical Education	186
18	Placement and Training Office	187
19	Curriculum Development, Audit and Accreditation Cell (CDAAC)	195
20	Diamond Jubilee Library, UCE	196
21	Examination Cell	198
22	Centre for Continuing Engineering Education Programmes(CEEP)	200
23	Center for Prototyping and Testing of Industrial Products (CPTIP)	202
24	Computational Fluid Dynamics Centre (CFD)	208
25	Center for Excellence in Microwave Engineering (CEME)	209
26	Centre for Creative Technologies (CCT)	211
27	Entrepreneurship Development Cell (EDC)	213
28	Industrial Development and Incubation Centre (IDIC)	216
29	Research and Training Unit for Navigational Electronics(NERTU)	220
30	Central Computing Center (CCC)	226
31	Centre for Energy Technology (CET)	229
32	Quality Improvement Programme	238
33	General Facilities	239
34	Awards & Scholarships	241
35	Parent Teacher Interaction	243
36	Alumni Association	245
37	Infrastructure Office	247
38	Hostel Administration	248
39	Anti Ragging Cell	253



S. No.	ABBREVIATIONS	
1.	B.E	Bachelor of Engineering
2.	BME	Bio-Medical Engineering
3.	BoS	Board of Studies
4.	CCC	Central Computing Center
5.	CCT	Centre for Creative Technologies
6.	CDAAC	Curriculum Development, Audit & Accreditation cell
7.	CE/ CED	Civil Engineering Depaerment
8.	CET	Centre for Energy Technology
9.	CEEP	Continuing Engineering Education Programmes
10.	CELT	Centre for English Language Training
11.	CFD	Computational Fluid Dynamics Centre
12.	CSE	Computer Science & Engineering
13.	CPTIP	Center for Prototyping and Testing of Industrial Products
14.	ECE	Electronics & Communication Engineering
15.	ECTA	Engineering College Teachers Association
16.	EDC	Entrepreneurship Development Cell
17.	EE/ EED	Electrical Engineering Depaerment
18.	IDC	Information Dissemination Centre
19.	IDIC	Industrial Development and Incubation Centre
20.	MCA	Master of Computer Application
21.	ME/ MED	Mechanical Engineering
22.	M.E./M.Tech.	Master of Engineering/ Master of Technology
23.	MRE	Microwave and Radar Engineering
24.	NAAC	National Assessment and Accreditation Council
25.	NBA	National Board of Accreditation, New Delhi
26.	NERTU	Research & Training Unit for Navigational Electronics
27.	NSS	National Service Scheme
28.	PES	Power Electronic Systems
29.	PDS	Parallel and Distributed Systems
30.	Ph D	Doctor of Philosophy
31.	PS	Power Systems
32.	PTPG	Part Time Post Graduate Courses
33.	R&D	Research & Development
34.	SSP	Systems and Signal Processing
35.	TDC	Technology Development Center
36.	TEQIP	Technical Education Quality Improvement Programme
37.	UCE	University College of Engineering
38.	UGC	University Grants Commission
39.	VLSI & ES	Very Large Scale Integration & Embedded Systems
40.	W.R.E	Water Resources Engineering

VISION & MISSION

Vision

The Vision of the institute is to generate and disseminate knowledge through a harmonious blending of Science, Engineering and Technology and to serve the society by developing a modern technology in students' heightened intellectual, cultural, ethical and humane sensitivities, fostering a scientific temper and promoting professional and technological expertise.

Mission

- To achieve excellence in teaching and research.
- To generate, disseminate and preserve knowledge.
- To enable empowerment through knowledge and information.
- To make a advancements in knowledge in engineering, science and technology.
- To promote learning in free thinking and innovative environment.
- To cultivate skills, attitudes to promote knowledge creation.
- To render socially relevant technical services for the community.
- To impart new skills of technology development.
- To inculcate entrepreneurial talents and technology appreciation programmes.
- To enable technology transfer and incubation.

ACADEMIC PROGRAMMES

The college presently offers six **undergraduate** programmes and twenty five **postgraduate** programmes which are aimed to inculcate spirit of inquiry, stimulate the power of thinking, bestow both analytical and experimental abilities, and inculcate interest in research. The programmes offered to the students are focussed on encouraging the spirit of entrepreneurship and self-employment apart from making them employable in any industry segment.

The doctoral programmes provide opportunities to pursue areas of research interest with a deep sense of satisfaction, to carry out independent investigations, to innovate and make a significant contribution to knowledge in specialized areas. Further, doctoral programmes synergetically promote intellectual and creative abilities to address fundamental and practical problems of regional and national relevance to enhance the quality of life.

Consultancy is an activity in which the college applies its specialized skills and expertise to solve industrial problems in specific areas. It reflects the link between the academia and the local community and the response to the varying professional needs of the society at large. It is an affirmation of the resolve/commitment of the University to contribute to industrial growth, indigenous industrial development and quality of life in communities.

List of Courses Offered:

Under Graduate Programmes: B.E (Full-Time)

S. No.	Course(s)	Duration (Yrs)	Year of Commencement	Sanctioned Intake*
1	Civil Engineering (CE)	4	1929	60
2	Mechanical Engineering (ME)	4	1939	60
3	Electrical Engineering (EE)	4	1949	60
4	Electronics & Communication Engineering (ECE)	4	1959	50
5	Bio-Medical Engineering(BME)	4	1982	30
6	Computer Science & Engineering(CSE)	4	1985	60

* An additional intake of 15 % of foreign students is offered in all courses.

* An additional intake of 10 % of lateral entry students into 2nd year is offered in all courses.

Post Graduate Programmes: M.E./M.Tech. (Full Time- 2 Years)

S.No.	Course(s)	Specialisations	Year of Commencement	Sanctioned Intake
1	Bio Medical Engineering	Bio Medical Electronics	2006	18
2	Civil Engineering	Structural Engineering	1961	25
		Water Resources Engineering	1961	10
		Geotechnical Engineering	1961	10
		Construction Engg. and Management	1961	15
		Infrastructure Engineering	2007	15
		Transportation Engineering	2008	15
3	Computer Science & Engineering	Mining Engineering	2018	18
		Computer Science & Engineering	1981	20
		Parallel and Distributed Systems	2007	15
		Embedded Systems & Computing	2013	18
4	Electronics & Communication Engineering	Digital Systems	1964	13
		Microwave and Radar Engineering	1964	20
		Systems and Signal Processing	1964	13
		Embedded Systems & VLSI design	2006	13
5	Electrical Engineering	Industrial Drives and Controls	1966	20
		Power Systems	1966	13
		Power Electronics Systems.	2008	15
6	Mechanical Engineering	Production Engg	1966	18
		Automation & Robotics	1998	13
		Turbo Machinery	1996	20
		CAD/CAM	2001	32
		Tool Design	2002	32
		Design for Manufacture	2014	32

Post Graduate Programmes: M.E./M.Tech. (Part Time – 3 Years)

S.No.	Course(s)	Specialisations	Year of Commencement	Sanctioned Intake
1	Civil Engineering	Structural Engineering	1966	20
		Transportation Engineering	2010	15
2	Computer Science & Engineering	Computer Science & Engineering	1991	30
3	Electronics & Communication Engineering	Digital Systems Engineering	1975	15
		Systems and Signal Processing	1975	15
		Microwave & Radar Engineering	--	15
4	Electrical Engineering	Industrial Drives and Controls	1971	15
		Power Systems	1971	15
5	Mechanical Engg.	Production Engineering	1994	15
		Automation & Robotics	1994	15
		Turbo Machinery	1994	15

Post Graduate Program: MCA (Full Time- 3 Years)

S.No.	Course(s)	Specialisations	Year of Commencement	Sanctioned Intake
1	Computer Science & Engineering	Master of Computer Application	1990	60

Status of Ph.D. Research Scholars in Faculty of Engineering:

Year(batch)	BME		CSE		CE		ECE		EE		MED		Total at College level
	Part time	Full time											
2007-2008	-	-	11	1	4	-	9	1	5	-	9	-	40
2009-2010	-	-	19	3	22	1	7	-	15	-	34	2	103
2010-2011	5	-	35	3	34	2	38	2	10	2	46	-	177
2014	-	-	01	-	-	-	01	-	01	-	-	-	03
2015	-	-	01	-	-	-	05	-	01	-	-	-	07
2016	-	-	5+1	-	-	-	04	-	-	-	-	-	10
2017	02	02	40	10	19	16	40	31	33	21	63	12	197 92
2018	-	-	05	-	-	-	07	-	-	-	-	-	12
Ph.D's Awarded													
2012-2013	-	-	2	-	2	-	2	-	-	-	2	-	8
2013-2014	1	-	7	-	3	-	3	-	3	-	12	-	29
2014-2015	-	-	2	-	4	-	7	-	1	-	2	-	16
2015-2016	-	-	01	-	03	-	-	-	-	-	03	-	07
2016-2017	-	-	04	-	-	-	02	-	-	-	09	-	-
2017-2018	-	-	08	01	02	01	01	00	02	00	06	00	19 02

NBA Accredited Programmes**Under Graduate Programmes: B.E (Full-Time)**

S. No.	Courses	Accreditation
1	Bio-Medical Engineering	5Yrs (2013-18)
2	Civil Engineering	5Yrs (2013-18)
3	Computer Science & Engineering	5Yrs (2013-18)
4	Electronics & Communication Engineering	Applied for Renewal
5	Electrical Engineering	5Yrs (2013-18)
6	Mechanical Engineering	5Yrs (2013-18)

Post Graduate Programmes: M.E/M.Tech (Full-Time)(Applied for Renewal)

S. No.	Courses	Specializations	Accreditation
1	Civil Engineering	Structural Engg.	Applied for Renewal
		Water Resources Engg	Applied for Renewal
		Geotechnical Engineering	Applied for Renewal
2	Computer Science & Engg.	Computer Science&Engg	Applied for Renewal
3	Electrical Engineering	Power Systems	Applied for Renewal
		Industrial Drives and Controls	Applied for Renewal
4	Mechanical Engineering	Production Engg	Applied for Renewal
		Turbo Machinery	Applied for Renewal
		Automation & Robotics	Applied for Renewal
5	Electronics & Communication Engineering	Microwave and Radar Engineering	Applied
6	Bio-Medical Engineering	Bio Medical Electronics	Applied



**Almanac for B.E. I & II Semester (All Branches)
(All Branches) for the Academic year 2018-2019**



UNIVERSITY COLLEGE OF ENGINEERING (Autonomous)
OSMANIA UNIVERSITY, HYDERABAD-500007

B.E. I SEMESTER		
1	Commencement of Instruction	16 July 2018
2	Three week Induction Program	16 July 2018 - 04 Aug 2018
3	Commencement of class work	06 Aug 2018
4	Annual Academic Awards Function	02 September 2018
5	Engineers Day	15 September 2018
6	First Class Tests	24 to 26 September 2018
7	Submission of Test -I Marks on or before	28 September 2018
8	Dusshara Vacation	15 to 20 October 2018
9	Recommencement of Instruction	22 October 2018
10	Second Class Tests	14 to 16 November 2018
11	Submission of Test -II Marks on or before	21 November 2018
12	Last Date of Instruction	24 November 2018
13	Submission of Sessional (CIE) Marks on or before	27 November 2018
14	Preparation Holidays and Practical Examinations	26 Nov. to 08 Dec. 2018
15	Theory Examinations (Main and Supplementary)	10 to 29 Dec. 2018
B.E. II SEMESTER		
16	Commencement of Instruction	31 December 2018
17	Winter Vacation	14 to 19 January 2019
18	Recommencement of Instruction	21 January 2019
19	Parent-Teacher's Meet	29 January 2019
20	Students Technical Symposia	22 & 23 February 2019
21	First Class Tests	25 to 27 February 2019
22	Annual Sports Day	01 March 2019
23	Submission of Test 1 Marks on or before	02 March 2019
24	Second Class Tests	10 to 12 April 2019
25	Submission of Test 2 Marks on or before	15 April 2019
26	Last Date of Instruction	20 April 2019
27	Submission of Sessional (CIE) Marks on or before	23 April 2019
28	Preparation Holidays, Practical Examinations	22 Apr. to 04 May 2019
29	Theory Examinations (Main and Supplementary)	06 to 25 May 2019
30	Summer Vacation for Teaching Faculty(4 weeks)	06 May to 01 June 2019
31	Commencement of Next Academic Year	01 July 2019



**Almanac for B.E III IV, V, VI, VII & VIII Semester
(All Branches) for the Academic year 2018-2019**



UNIVERSITY COLLEGE OF ENGINEERING (Autonomous)
OSMANIA UNIVERSITY, HYDERABAD-500007

B.E III, V & VII SEMESTERS		
1	Commencement of Instruction	02 July 2018
2	Last date for Registration of Elective/ core subjects	02 July 2018
3	First Class Tests	21 - 24 August 2018
4	Submission of Test -1 Marks on or before	31 August 2018
5	Annual Academic Awards Function	01 September 2018
6	Engineers Day	15 September 2018
7	Second Class Tests	01 - 04 October 2018
8	Submission of Test 2 Marks on or before	12 October-2018
9	Last Date of Instruction	13 October-2018
10	Dussara Vacation	15 – 20 October.2018
11	Preparation Holidays and Practical Examinations	22 Oct. to 03 Nov. 2018
12	Submission of Sessional (CIE) Marks on or before	23 October-2018
13	Theory Examinations (Main and Supplementary)	05 Nov. to 01 Dec. 2018
B.E IV, VI & VIII SEMESTERS		
14	Commencement of Instruction	03 Dec 2018
15	Last date for Registration of Elective/ core subjects	07 Dec 2018
16	Parent-Teacher's Meet	29 December 2018
17	First Class Tests	22 to 25 January 2019
18	Winter Vacation	14 to 19 January 2019
19	Recommencement of Instruction	21 January 2019
20	Submission of Test 1 Marks on or before	30 January 2019
21	Students Technical Symposia	22 & 23 February 2019
22	Annual Sports Day	01 Mar. 2019
23	Second Class Tests	12 - 15 March 2019
24	Submission of Test 2 Marks on or before	20 March 2019
25	Last Date of Instruction	23 March 2019
25	Preparation Holidays, Practical Examinations & Project Viva-Voce	25 Mar. to 06 Apr. 2019
26	Submission of Sessional (CIE) Marks on or before	30 March 2019
27	Theory Examinations (Main and Supplementary)	08 Apr. to 04 May. 2019
28	Summer Vacation for Teaching Faculty (4-Weeks)	06 May to 01 June 2019
29	Commencement of Next Academic Year	01 July 2019



**Almanac for ME/M.Tech
for the Academic year 2018-2019
(Regular and Part-Time)**



**UNIVERSITY COLLEGE OF ENGINEERING (Autonomous)
OSMANIA UNIVERSITY, HYDERABAD-500007**

S.No	I – SEMESTER (Reg & PTPG), III - SEMESTER (PTPG)	
1	Registration of Subjects and Commencement of Instruction	07 Aug 2018
2	Engineers Day	15 September 2018
3	First Class Tests	24 to 26 September 2018
4	Submission of Test -I Marks on or before	28 September 2018
5	Dusshara Vacation	15 to 20 October 2018
6	Recommencement of Instruction	22 October 2018
7	Second Class Tests	26 to 28 November 2018
8	Submission of Test -II Marks on or before	28 November 2018
9	Last Date of Instruction	03 December 2018
10	Display of Attendance and Submission of Sessional (CIE) Marks on or before	06 December 2018
11	Theory Examinations	10 to 29 Dec. 2018
12	Make- up Examinations	28 Jan to 16 Feb 2019
II -SEMESTER (Reg & PTPG), IV -SEMESTER (PTPG)		
13	Registration of Subjects and Commencement of Instruction	07 January 2019
14	Winter Vacation	14 to 19 January 2019
15	Recommencement of Instruction	21 January 2019
16	Students Technical Symposia	22 & 23 February 2019
17	First Class Tests	25 to 27 February 2019
18	Annual Sports Day	01 March 2019
19	Submission of Test 1 Marks on or before	02 March 2019
20	Second Class Tests	25 to 27 April 2019
21	Submission of Test 2 Marks on or before	30 April 2019
22	Last Date of Instruction	04 May 2019
23	Display of Attendance and Submission of Sessional (CIE) Marks on or before	07 May 2019
24	Summer Vacation for Teaching Faculty(4 weeks)	06 May to 01 June 2019
25	Theory Examinations	03 to 22 June 2019
26	Make- up Examinations	22 July to 10 Aug 2019



**Almanac for ME/M.Tech Project Evaluation &
Submission for the Academic year 2018-2019
(Regular and Part-Time)**



UNIVERSITY COLLEGE OF ENGINEERING (Autonomous)
OSMANIA UNIVERSITY, HYDERABAD-500007

Sl. No.	Particulars	III-Semester (Reg) & V-Semester (PTPG)	IV-Semester (Reg) & VI-Semester (PTPG)
1.	Registration	30 July 2018	26 November 2018
2.	Project Seminar & (Presentation & Evaluation)	19 Nov to 01 Dec 2018	--
3.	Last date of submission of Draft Dissertation for Internal Viva-Voce Examination	--	27 May 2019
4.	Internal Viva-Voce Examination	--	01 - 05 June 2019
5.	Submission of approved thesis by all students for External Evaluation	--	11 June 2019
6.	Conduct of External Viva-Voce Examination	--	14 to 20 June 2019
7.	Late Submission & Internal Viva-Voce Examination	--	05 to 17 July 2019
8.	Conduct of External Viva-Voce Examination (for Late Submission)	--	26 to 31 July 2019
9.	Last date of Semester	24 November 2018	



**Almanac for ME/M.Tech (Mining Engg.)
for the Academic year 2018-2019
(Regular – Self Finance Course)**



**UNIVERSITY COLLEGE OF ENGINEERING (Autonomous)
OSMANIA UNIVERSITY, HYDERABAD-500007**

I - SEMESTER		
1.	Registration of Subjects and Commencement of Instruction	10 September 2018
2.	Engineers' Day	15 September 2018
3.	Class Test-I	25 to 27 October 2018
4.	Submission of Test -I Marks on or before	31 October 2018
5.	Dussehra Vacation	15 to 20 October 2018
6.	Recommencement of Instruction	22 October 2018
7.	Class Test-II	17 to 19 December 2018
8.	Submission of Test -II Marks on or before	21 December 2018
9.	Last Date of Instruction	29 December 2018
10.	Display of Attendance and Submission of Sessional (CIE) Marks on or before	02 January 2019
11.	Theory Examinations	06 to 25 January. 2019
12.	Winter Vacation	14 to 19 January 2019
13.	Make-up Examinations	25 February 2019
II -SEMESTER		
14.	Registration of Subjects and Commencement of Instruction	28 January 2019
15.	Students Technical Symposia	22 & 23 February 2019
16.	Class Test-I	14 to 16 March 2019
17.	Annual Sports Day	01 March 2019
18.	Submission of Class Test-I Marks on or before	19 March 2019
19.	Class Test-II	6 to 8 May 2019
20.	Submission of Class Test-II Marks on or before	10 May 2019
21.	Last Date of Instruction	18 May 2019
22.	Display of Attendance and Submission of Sessional (CIE) Marks on or before	22 May 2019
23.	Summer Vacation for Teaching Faculty (4 weeks)	06 May to 01 June 2019
24.	Theory Examinations	03 to 22 June 2019
25.	Make-up Examinations	22 July to 10 Aug 2019

INTRODUCTION

The University College of Engineering (UCE) has the distinction of being the oldest and the biggest among the Engineering Colleges of the State of Telangana. It was established in the year 1929, eleven years after the formation of Osmania University. The College was the sixth Engineering College to be established in the whole of British India. The College moved to its present permanent building in the year 1947. Today, it is the biggest among the campus colleges of Osmania University. The Golden Jubilee of the College was celebrated in 1979, the Diamond Jubilee in 1989 and the Platinum Jubilee in 2004. The College was made autonomous in 1994 and the University Grants Commission of India conferred autonomy status to the college for a period of 6 years (2016-17 to 2021-22).

The UG Programmes offered by the departments of BME, CE, CSE, EE, ME have been accredited by the National Board of Accreditation New Delhi for a period of 5 years and UG programme offered by ECE Department is accredited by the NBA, New Delhi for a period of 2 years w.e.f. 05.08.2013 and NBA re-accreditation is under process. The University is accredited by NAAC with “A” Grade. UCE, O.U is the first Engineering College to get ISO 9001 Certification in Telangana State. University College of Engineering was adjudged the Best Engineering College by Indian Society for Technical Education (Telangana section) in the year 2010. UCE, OU was adjudged as the Best Engineering College in the country for the academic year 2003-04 by Indian Society for Technical Education, New Delhi and by Star News for the years 2010-11 and 2011-12.

The college has successfully completed the Technical Education Quality Improvement Programme (TEQIP-I) under the World Bank financial assistance of Rs. 15.48 Crores during the period 2003-2008. The outcome of the project has resulted in: i) increase in pass percentage of UG/PG students, ii) three fold increase in research publications of staff, iii) introduction of Six PG programmes in niche areas, iv) introduction of credit based system, and v) substantial increase in internal revenue generation.

The college has successfully completed the phase-II of TEQIP program with a financial assistance of Rs. 12.5 Crores and additional grant of 5 Crores under the best performing institution category. Recently the institute has been approved as a minor center under QIP for full time PhD programmes. The college has been selected for TEQIP Phase III twinning program with a financial assistance Rs. 7 crores. It has been granted “Visveswaraya Ph.D scheme for Electronics and IT” for full time PhD program. The GIAN program of MHRD has sanctioned 6 programmes in specialized research area to the college. The college has been ranked 80 in NIRF engineering college ranking survey by -MHRD , New Delhi, for the year 2017-18.

ORGANIZATIONAL STRUCTURE**GOVERNING BODY****Chairperson****Member Secretary****Members**

Prof. T. Tirupathi Rao
 Prof. Kumar Molugaram, Principal
 Prof. P Laxminarayana, Dean, FoE, OU
 Prof. P. Premchand,
 Dean, Faculty of Informatics, OU
 Prof. ShivaRaj,
 Dean, Development & UGC Affairs, OU.
 Sri. Bikshapati Kondai, Director General,
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 Department of Technical Education,
 Telangana State Government Nominee

PRINCIPAL**VICE-PRINCIPAL**

Prof. Kumar Molugaram
 Dr. E. Vidya Sagar

ACADEMIC COUNCIL**Chairperson****Members**

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 Dr. E. Vidya Sagar (Vice Principal, Ex-Officio)
 All the Heads of Departments
 Prof. P. V. N. Prasad
 Director CDAAC
 Prof. P Laxminarayana,
 Dean, Faculty of Engineering, OU
 Sri Mahesh K. Desai
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 Hyderabad – 500020, India.
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 Global Medical Education and Research,
 Global Hospitals, Khairathabad, Hyderabad.
 Prof. K. V. S. Hari, Chairperson, Dept. of ECE
 Indian Institute of Science, Bangalore.
 Dr. P. Radha Krishna
 Principal Research Scientist, Infosys Lab,
 Gachibowli, Infosys Limited, Hyderabad.
 Dr. Preeti Chandra
 Senior Scientist – ASL, DRDO, Hyderabad.
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 Director, Academic Audit Cell, OU
 Principal, Univ. College of Technology, OU
 All the Chairpersons, BOS (Autonomous), UCE
 All the Chairpersons, BOS, OU

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Director, CDAAC	Prof. Kumar Molugaram (Principal)
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Director, CELT	Prof. Narsimhulu Sanke
Coordinator,	Dr. J. Savithri
NBA Nodel Center for OU Region	Prof. G. Yesuratnam
Teaching Staff Representative	
Placement Officer	Prof. A. Krishnaiah
Coordinator QIP Center	Dr. V. Uma Maheshwar
NCC Coordinator	Prof. K. Shayamla
PRO, UCE, OU	Mr. D. Suman
	Dr. K. Shashikanth

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Civil Engineering	Prof. M. Gopal Naik
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Electrical Engineering	Mr. M. V. Ramana Rao
Electronics & Communication Engineering	Prof. P. Chandrasekhar
Bio-Medical Engineering	Mr. M. Venkateswara Rao
Computer Science & Engg.	Prof. K. Shyamala
Mathematics	Dr. Y. Rameshwar
Physics	Dr. N. Narasimlu
Chemistry	Prof. A. Panasa Reddy
English	Dr. Saveen Souda

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	Prof. B. Mangu (EE)
	Dr. R. Hemalatha (ECE).
	Prof. R. Rajendra (ME)
	Prof. K.Shyamala (Informatics)

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	Dr. D. Rama Krishna (ECE)
	Prof. P. Ramesh Babu (ME)
	Dr.N.Narasimlu (Phy.)
	Prof. A. Panasa Reddy (Chem.)
	Dr. Y. Rameshwar (Mathematics)
Dr. Saveen Souda (English)	

FINANCE COMMITTEE

Chairperson	Prof. Kumar Molugaram (Principal)
Members	Dr. E. Vidya Sagar (Vice Principal)
	Mrs. V. Annapurna, Finance Officer, OU
Secretary	Mrs. S. Geeta (Deputy Registrar, Ex-Officio)

MAINTENANCE COMMITTEE

Chairperson	Prof. Kumar Molugaram (Principal)
Convener	Dr. E. Vidya Sagar (Vice Principal)
Members	Dr. K. L. Radhika
	Dr. V.B. Narsimha
	Mrs. S. Geeta (Deputy. Registrar, Ex-Officio)

PURCHASE COMMITTEE

Chairperson & Convener	Prof. Kumar Molugaram (Principal)
	Mr. M. Venkateswara Rao (BME)
	Prof. M. Gopal Naik (CE)
	Prof. K. Shyamala (CSE)
	Mr. M. V. Ramana Rao (EE)
	Prof. P. ChandraSekhar (ECE)
Heads of Departments	Prof. P.Usha Sri (ME)
	Mr. D. Suman (BME)
	Dr. M.V.S. Sridhar (CE)
	Mr. L.K. Suresh Kumar (CSE)
	Dr. E. Vidya Sagar (EE)
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	Dr. V. Uma Maheshwar (ME)
	Prof. A. Panasa Reddy (Chem.)
	Dr.N.Narasimlu (Phy.)
	Dr. V. Nagaraju (Maths)
	Dr. J. Savithri (Eng.)



Prof. B. Sunil Kumar (Phy.Edu.)

INTERNAL COMPLAINTS COMMITTEE (ICC)

Chairperson	Prof. M.Malini
Convener	Prof. K.Saraswathamma (MED)
Members	Dr P.V. Sudha (CSE) Dr. K.L. Radhika (CED) Dr. R. Hemalatha (ECE) Mrs. G.V.Naglakshmi (EED) Mrs. P.Niveditha (Asst. Registrar)

WOMEN WELFARE COMMITTEE

Chairperson	Prof. P. Usha Sri (MED)
Members	Prof. M.Manjula (EED) Dr. K. L. Radhika (CED) Dr. R. Hemalatha(ECE)

INDUSTRIAL LIAISON COMMITTEE

Industrial Liaison Officer	Prof. P. Ramesh Babu
Member	Dr. P. Satish Kumar Prof. P. V.Sudha Prof. B. Rajendra Naik Mr. D. Suman Dr. R. Srinivas kumar

STUDENT ACTIVITIES BOARD

Student Advisor	Mr. Md. Misbahuddin
------------------------	---------------------

a. Games and Sports

Chairperson	Dr. E. Vidya Sagar (Vice Principal)
Convener	Prof. B. Sunil Kumar
Members	All the Heads of Dept. & Leading Sportspersons of the College.

b. Cultural Activities

Chairperson & Convener	Prof. P. Premchand
Members	Dr. M.V.S. Sreedhar Mrs. N. Srilatha Dr. V. Uma Maheshwar Prof. P.V. Sudha Dr. R. Hemalatha

DIAMOND JUBILEE LIBRARY

Chairperson	Prof. Kumar Molugaram (Principal)
Vice Chairperson	Prof. M. Malini



Members	Prof. P. Raja Sekhar (CE) Prof. P. V Sudha (CSE) Dr. J. Upendar (EE) Mr. Md. Misbahuddin (ECE) Prof. K. Saraswathmma (ME) Mr. D. Suman (BME)
Convener	Dr. P. Damodar (Librarian)

CANTEEN COMMITTEE

Chairperson	Prof. Sriram Venkatesh
Members	Prof. M. Gopal Naik Prof. B. Hadya Prof. K. Shyamala Mrs. S. Geeta (Deputy Registrar)

TEQIP-III

Project Director	Prof. Kumar Molugaram (Principal)
Project Coordinator	Prof. Sriram Venkatesh
Nodal Officer, Academic	Prof. M. Gopal Naik
Nodal Officer, Finance	Prof. K. Shyamala
Nodal Officer, Procurement (GATE Exam College Coordinator)	Dr. J. Upendar
Environmental Coordinator	Dr. K. Shashikanth
Equilty Action Plan Coordinator	Dr. T. Nagaveni

EXAMINATION CELL (UCE)

Director of Evaluation	Prof. M. Manjula
Joint Director of Evaluation (P.G)	Dr. K. Sashikanth
Joint Director of Evaluation (U.G)	Mr. Md. Misbahuddin

NIRF COLLEGE COMMITTEE (2018)

Chairperson	Prof. Sriram Venkatesh
Vice Chairperson	Prof. M. Malini
Convener	Dr. K. Sashikanth
Members	Prof. P. V. Sudha Dr. J. Upendar Dr. D. Ramakrishna Mr. E. Madhusudhan Raju

HOSTEL COMMITTEE

Chairperson	Prof. Kumar Molugaram (Principal)
Vice Chairperson	Dr. E. Vidya Sagar (Vice Principal)
Members	
All HODs	
Addl. Chief Warden & Convener	Prof. B. Hadya

Asst. Chief Warden Girls Hostel & Mess	Prof. K. Saraswathamma
General Warden Girls Hostel	Dr. L. Nirmala Devi
Mess Warden Girls Hostel	Mrs. G.V. Nagalakshmi
General Warden Kinnera Hostel	Dr. D. Rajashekar Reddy
Mess Warden Kinnera Hostel	Mr. D.Suman
General Warden Ganga Hostel	Mr. Md. Misbahuddin
Mess Warden Ganga Hostel	Mr. M. Srinivas
General Warden Swarnamukhi Hostel	Dr.V.B.Narasimaha

STUDENT'S GRIEVANCES REDRESSAL COMMITTEE (SGRC)

Vice – Principal, UCE (A), OU	Chairperson
Addl. Chief Warden, (Boys)	Member
Addl. Chief Warden, (Girls)	Member
HoD Concerned	Coopted Member
Coordinator, 1 st year class room complex	Coopted Member

EMPLOYEE'S GRIEVANCE COMMITTEE

Chairperson	Dr. E. Vidya Sagar (Vice Principal)
Senior Teacher Nominated	Prof. Premchand
Convener	Mrs. S. Geeta (Deputy. Registrar, Ex-Officio)
Representative of Employees of the College	Mr. C.Upender

TEACHER GRIEVANCES COMMITTEE

Chairperson	Prof. Kumar Molugaram (Principal)
Convener	Dr. E. Vidya Sagar (Vice Principal)
Representatives of Teachers Association	Prof. P. Ramesh Babu, President, ECTA Dr. E.Vidya Sagar, Secretary, ECTA

OTHER ADMINISTRATIVE OFFICERS - UCE(A)

1. Prof. P. Panasa Reddy
Coordinator,
Science & Humanities Class Room Complex.
2. Dr. E. Vidyasagar
Co-ordinator TDC Building-UCE.
3. NSS Program officer-Unit-II
4. Prof. K. L. Radhika
Special Officer (IS) UCE
5. Mrs. N. Srilatha
Lady Student Advisor
6. Dr. L. Siva Rama Krishna
NSS Program officer-Unit-I
7. Mrs. S. Geeta
Deputy Registrar, Ex-Officio
8. Mrs. N. Niveditha
Assistant Registrar, Ex-Officio
9. Dr. D. Ramakrishna
Coordinator, GIAN & VAJRA Programmes
10. Dr. E. Vidyasagar
Coordinator Incubation Centre, UCE, OU
11. Dr. R. Srinivas Kumar
Addl. Chief Superintendent, Exams,UCE
12. Mr. M. Srinivas
Assistant Chief Superintendent, Exams, UCE
13. Dr. V. B. Narasimha
Special Officer (Maintenance),UCE
14. Dr. J. Upendar
E-Liason Officer,Website Incharge,UCE

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1. Prof. S. Sameen Fatima Convener , PGECET-2018
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GIAN Coordinator, OU
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Director, UFRO, OU
5. Prof.A.Krishnaiah Director, EDC, OU & Member, Project
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6. Prof. B. Rajendra Naik Dean, Students Affairs, OU
7. Prof. M. Gopal Naik Director, Infrastructure, OU
8. Prof. M. Malini Member , Project Implementation Group,
OU-DST-PURSE-II
9. Prof. P. Usha Sri Spl. Officer, Foreign Students Counselling
10. Prof. P. Ramesh Babu Co-convener , PGECET-2018
11. Prof. G. Malleham Special Officer, Automation, OU
12. Prof. P. Raja Sekhar Joint Director, UFRO, OU
13. Prof. Narsimhulu Sanke Addl. Controller of Examinations, P-1, OU
14. Dr. P. Satish Kumar Addl. Controller of Examinations,(Conf.) OU
15. Dr. V. B. Narasimha Asst. Controller of Examinations,(EDP) OU
16. Dr. J. Upendar Nodal officer, Statistical Cell, OU

ANTI RAGGING COMMITTEE

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1	Prof. Kumar Molugaram	Chairperson	Principal	9849411656
2	Dr. E. Vidya Sagar	Vice Chairperson	Vice Principal	9985256268
3	Mr. M. Venkateswara Rao	Member	Head, Dept. of BME	9849803940
4	Prof. M. Gopal Naik	Member	Head, Dept. of Civil	9490685098
5	Prof. K. Shyamala	Member	Head, Dept. of CSE	9490219882
6	Mr. M.V. Ramana Rao	Member	Head, Dept. of EE	9848069129
7	Prof. P. Chandrasekhar	Member	Head, Dept. of ECE, Addl. Chief Warden	9866695963
8	Prof. P. Ushasri	Member	Head, Dept. of ME	9885899584
	Dr. K. Shashikanth	Member	Public Relation Officer	9440951800
9	Prof. A. Panasa Reddy	Member	Co-ordinator H & S Block Head, Dept. of Chem.	9849957268
10	Dr. Saveen Souda	Member	Head, Dept. of English	
11	Dr. V. Naga Raju	Member	Dept. of Maths	9440496134
12	Dr. N.Narasimlu	Member	Head, Dept. of Physics	9949617555
13	Dr.V. Uma Maheswar	Member	Placement Officer	9885085670
14	Prof. B. Sunil Kumar	Member	Physical Director	7032479481
15	Prof. B. Hadya	Member	Addl. Chief Warden Hostel	9440349195
16	Prof. K. Saraswathamma	Member	Asst. Chief Warden Girls Hostel & Mess	9032714222
17	Dr. D. Rajasekhar Reddy	Member	Kinnera Hostel Warden	9493190672
18	Mr. D. Suman	Member	Kinnera Hostel Mess Warden & NCC Coordinator	8897855138
19	Dr. L.Siva Rama Krishna	Member	NSS PO Unit-I	9849867046
20	Dr.E. Vidya Sagar	Member	NSS PO Unit-II	9985256268
21	Dr. V. B. Narsimha	Member	Swamamukhi Hostel Warden	9440289828
22	Mrs. G.V. Nagalakshmi	Member	Mess Warden Girls Hostel	9492047114
23	Dr. L. Nirmala Devi	Member	General warden, Girls Hostel, UCE	9949513490
24	Mr. Md. Misbahuddin	Coordinator	Student Advisor	9247184538
25		Member	Ganga Hostel Warden	
	Mr. M. Srinivas	Member	Ganga Hostel Mess Warden	9703063245
26	Mr. S. Geetha	Member	Deputy.Registrar	9160097018
27	Dr. P. Damoder	Member	Librarian	9059405311



S.No.	Name of the Staff	Position	Designation	Telephone No
28	K.Vera Reddy	Student Members		8466895477
29	S. Mounika			9652695835
30	I. Vedavyas			7780495891
31	M.V. Sudhanshu			9100346821
32	Ch. Kavya Sri			9581582321
33	Krishna Hasitha			9390553555
34	Ch. Manideep			7997882163
35	P. Damodar Reddy	Parent Members		9849479912
36	P. Madhusudhan Rao			9989057048
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Prof. B. Rajendra Naik Dean, Student Affairs, O.U		9441222226	Circle Inspector, OUPS Sector SI, OUPS	9490616377 9490616738
University Health Center, O.U Campus		040-27682278	Police Patrol Team-1	8333992199
Police Station, O.U		040-27853570	Police Patrol Team-2	8333992198

ANTI RAGGING SQUADS

Squad – I (GENERAL)

S.No.	Name of the Staff	Position	Designation	Tele. No
1	Dr. V. Uma Maheshwar	Convener	Asso. Professor	9885085670
2	Mr.E. Madhusudhan Raju	Member	Asst. Professor	9701948712

Squad – II (CANTEEN)

S.No.	Name of the Staff	Position	Designation	Tele. No
1	Dr. V. B. Narsimha	Convener	Asst. Professor	9440289828
2	Dr. D.Ramakrishna	Member	Asst. Professor	9441154911

Squad – III (LIBRARY/ SPORTS)

S.No.	Name of the Staff	Position	Designation	Tele. No
1	Dr. E. Vidyasagar	Convener	Asst. Professor	9985256268
2	Dr. B. Sujatha	Member	Asst. Professor	9948625313

Squad – IV (HOSTELS)

S.No.	Name of the Staff	Position	Designation	Tele. No
1	Prof. V. Bhikshma	Convener	Professor	9949638885
2	Dr. D. Rajashekar Reddy	Member	Asso. Professor	9493190672

Squad – V (1st Year – H & S)

S.No.	Name of the Staff	Position	Designation	Tele. No
1	Dr. N. Narasimlu	Convener	Asst. Professor	9949617555
2	Dr. V. Kiran	Member	Asst. Professor	9912959615

LIST OF MENTORS

S.No.	Department	Mentors Name	Mobile No.
I Bio-Medical Engg			
1.	B.E. 1 st & 2 nd Sem.	Mrs.B.Gayathri	9491115854
2.	B.E. 3 rd & 4 th Sem.	Mr. K. Harish	9866289232
3.	B.E. 5 th & 6 th Sem.	Mr. D. Suman	8897855138
4.	B.E. 7 th & 8 th Sem.	Mr. M.Srinivas	9703063245
S. No.	M.E.	Faculty Advisor	Mobile No.
5.	M.E. (BME) 1 st Year	Mrs. G. Shravanya	9603658232
6.	M.E. (BME) 2 nd Year	Mr. Kiran Kore	9502161026
II Civil Engg			
S. No.	B.E	Mentor Name	Mobile No.
1.	B.E. 1 st & 2 nd Sem.	Mrs. P. Anuradha	9949373244
2.	B.E. 3 rd & 4 th Sem.	Mr. R. Rajender	7799061696
3.	B.E. 5 th & 6 th Sem.	Mrs. A. Usha Sri	9866248415
4.	B.E. 7 th & 8 th Sem.	Mr. L. Ajay Kumar	9160989555
S. No.	M.E.	Faculty Advisor	Mobile No.
5.	M.E. (Structural Engg)	Mrs. P. Anuradha	9949373244
6.	M.E. (W.R.E)	Dr. K. Shashikanth	9440951800
7.	M.E. (Geo.Tech.Engg)	Dr. M. V. S. Sreedhar	9848487187
8.	M.E. (Const.Engg&Man)	Prof. K. L. Radhika	9849130279
9.	M.E. (Transp.Engg)	Dr. D. Rajashekar Reddy	9493190672
10.	M.E. (Infra.Engg.)	Mrs. D. Annapurna	9866832758
III CSE			
1.	B.E. 1 st & 2 nd Sem.	Mr. L.K.Suresh Kumar	9492430755
2.	B.E. 3 rd & 4 th Sem.	Mr. M.Venkat Dass	9440488428
3.	B.E. 5 th & 6 th Sem.	Mr. S.Srinivas Rao	9848117486
4.	B.E. 7 th & 8 th Sem.	Mrs.P.V.Sudha	9492754480
S. No.	M.E.	Faculty Advisor	Mobile No.
5.	M.Tech (CSE)	Prof. K.Shyamala	9490219882
6.	M.Tech(Parallel Distributed Systems)	Prof. K.Shyamala	9490219882
7.	M.Tech(Embedded computing Systems)	Prof. K.Shyamala	9490219882
IV Electrical Engineering			
1.	B.E. 1 st & 2 nd Sem.	Mr. Ch. Shiva Kumar	--
2.	B.E. 3 rd & 4 th Sem.	Dr. R. Lingaswamy	9885538307
3.	B.E. 5 th & 6 th Sem.	Dr.P. Satish Kumar	9849072342
4.	B.E. 7 th & 8 th Sem.	Prof.P.V.N.Prasad	9490016133
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6.	ME. (PS)	Mrs. G. V. Nagalaxmi	9492047114
7.	ME. (PES)	Mrs.E.Sreeshobha	9441276995
V ECE			
1.	B.E. 1 st & 2 nd Sem.	Mr. M.Shyamsunder	9885433203
2.	B.E. 3 rd & 4 th Sem.	Dr. R.Sandhya	9985701533
3.	B.E. 5 th & 6 th Sem.	Mr.Md Misbahuddin	9247184538
4.	B.E. 7 th & 8 th Sem.	Dr. A.Bharathi	9959004947

S.No.	Department	Mentors Name	Mobile No.
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5.	ME. (DS)	Mrs. P. Koti Laxmi	8985415421
6.	ME. (VLSI & ES)	Dr. P. Naveen Kumar	9985701254
7.	ME. (MRE)	Dr.D.Ramakrishna	9441154911
8.	ME. (SSP)	Dr.L.Nirmala Devi	9949513490
VI Mechanical Engineering			
1.	B.E. 1 st & 2 nd Sem.	Prof. K. Saraswathamma	9032714222
2.	B.E. 3 rd & 4 th Sem.	Mr.E. Madhusudhan Raju	9701948712
3.	B.E. 5 th & 6 th Sem.	Prof. A. Krishnaiah	9440834065
4.	B.E. 7 th & 8 th Sem.	Prof. P.Usha Sri	9885899584
S. No.	M.E.	Faculty Advisor	Mobile No.
5.	ME. (Production)	Prof. K. Saraswathamma	9032714222
6.	ME. (Automation & Robotics)	Mr.E. Madhusudhan Raju	9701948712
7.	ME.(TurboMachinery)	Prof.Narsimhulu Sanke	9885415325
8.	ME. (CAD/CAM)	Dr. G. Narender	9160003716
9.	ME. (Tool Design)	Dr. T. Nagaveni	9966998860
10	ME (DFM)	Dr.L. Siva Rama Krishna	9849867046

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65.	Mrs. G.V. Naga Lakshmi	Asst. Prof.	9492047114	gvnlakshmi@rediffmail.com
66.	Mrs. E. Sree Shobha	Asst. Prof.	9441276995	shobhasree555@gmail.com



S.No	Name	Designation	Mobile No.	E-mail ID
67.	Mr. R. Linga Swamy	Asst. Prof.	9885538307	rlswamy@gmail.com
68.	Dr. N. Susheela	Asst. Prof.	9848995532	nsusheela2007@yahoo.com
69.	Mr. P. Lokender Reddy	Asst. Prof.	9618071041	lokenderreddyp@gmail.com
70.	Mrs. N. Srilatha	Asst. Prof.	9912041450	srilatha.sesham@gmail.com
71.	Dr. B. Sirisha	Asst. Prof.	9440347320	sirishab2007@yahoo.com
72.	Dr. J. Upendar	Asst. Prof.	8500003210	dr.8500003210@gmail.com
73.	Mrs. U. Suryavalli	Asst. Prof.	8978151429	108.surya@gmail.com
74.	Mrs. G. Jhansi Rani	Asst. Prof(C)	9603230936	jhansirani99@yahoo.co.in
75.	Mr. S. Vijender Reddy	Asst. Prof(C)	9492529697	vijender_100@yahoo.co.in
76.	Mr. G. Kiran Kumar	Asst. Prof(C)	9652089997	kirankumargollapelli@gmail.com
77.	Mr. G. Srikanth	Asst. Prof(C)	9866376896	gkanthu@gmail.com
Electronics & Communications Engg.				
78.	Dr. P. Chandra Sekhar (Head)	Professor	9866695963	sekharpaidimarry@gmail.com
79.	Dr. B. Rajendra Naik	Professor	9441222226	rajendranaikb@gmail.com
80.	Dr. R. Hema Latha	Assoc. Prof.	9849199894	hemalatha.rallapalli@gmail.com
81.	Dr. L. Nirmala Devi	Assoc. Prof.	9949513490	nagiitkgp@yahoo.co.in
82.	Dr. D. Ramakrishna	Assoc. Prof.	9441154911	dasariramakrishna@yahoo.com
83.	Dr. P. Naveen Kumar	Assoc. Prof.	9985701254	naveen.gps@gmail.com
84.	Mrs. P. Koti Laxmi	Assoc. Prof.	8985415421	lakshmi_ponnuri@yahoo.com
85.	Mrs. P. Padma	Asst. Prof.	9985644039	padmadandyala@gmail.com
86.	Mr. M. Shyam Sunder	Asst. Prof.	9885433203	shyam0406@yahoo.co.in
87.	Mr. Md. Misbahuddin	Asst. Prof.	9247184538	misbah426@gmail.com
88.	Dr. A. Bharathi	Asst. Prof.	9032805273	bharathig8@gmail.com
89.	Dr. R. Sandhya	Asst. Prof.	9985701533	balreddysreddy@yahoo.co.in
90.	Mrs. P. Srividya	Asst. Prof.	9989661601	puttysrividya8@gmail.com
91.	Mr. K.Prem Kumar	Asst.Prof(C)	9700378307	premkumarkondi@gmail.com
92.	Mr. B. Ramesh	Asst.Prof(C)	9010415671	rams.chanti@gmail.com
93.	Mr. R. Narendra Reddy	Asst.Prof(C)	9177765762	rnarendrace@gmail.com
94.	Mr. G. Kishore Kumar	Asst.Prof(C)	8686937017	gundati.kishore@gmail.com
Mechanical Engineering				
95.	Dr. P. Usha Sri (Head)	Professor	9885899584	emailushasri@yahoo.com
96.	Dr. P. Laxminarayana	Professor	9346917018	plaxou@yahoo.com
97.	Dr. Sriram Venkatesh	Professor	9440408333	venkatmech@yahoo.com
98.	Dr. A. Krishnaiah	Professor	9440834065	kris_arakanti@yahoo.com
99.	Dr. P. Ramesh Babu	Professor	9440546858	prbmechou@yahoo.com
100.	Dr. R. Rajendra	Professor	9494560763	regaraj@gmail.com
101.	Dr. M. Chandra Sekhar Reddy	Professor	9866584298	sekhar_mrc@yahoo.com
102.	Dr. B. Hadya	Professor	9440349195	hadya.ou@gmail.com
103.	Dr. K. Saraswathamma	Professor	9032714222	saraswathy@osmania.ac.in
104.	Dr. Narsimhulu Sanke	Professor	9885415325	nsanke@osmania.ac.in
105.	Dr. M.V. Ramana Murthy	Assoc. Prof.	9849323139	mvramanamurthy@rediffmail.com
106.	Dr. V. Uma Maheshwar	Assoc. Prof.	9885085670	emailvum@yahoo.com
107.	Dr. L. Siva Rama Kirshna	Assoc. Prof.	9849867046	lsrkou@gmail.com
108.	Dr. G. Narender	Assoc. Prof.	9160003716	gagulanarendar@yahoo.com
109.	Mr. E. Madhusudhan Raju	Asst. Prof.	9701948712	ettaboina@gmail.com
110.	Dr. T. Nagaveni	Asst. Prof.	9966998860	tnagaveni@gmail.com



S.No	Name	Designation	Mobile No.	E-mail ID
111.	Mrs. T.S.R.V. Padmalatha	Asst. Prof.	9985491524	tsrvpadma@yahoo.com
112.	Dr. K. Buschaiah	Scientist	9440873690	bkarolla@gmail.com
113.	Mr. G. Venkateshwarulu	Asst.Prof(C)	9440154984	gadadasu_venkat@yahoo.co.in
114.	Mr. K.L. Uday Kiran	Asst.Prof(C)	9959738537	ukiran-7@yahoo.co.in
115.	Mr. K. Venkateshwarulu	Asst.Prof(C)	9490219028	katarapu_v@yahoo.com
116.	Mr. U. Ashok Kumar	Asst.Prof(C)	9966036324	uak.mech.osmania@gmail.com
117.	Mr. M.Prakash	Asst.Prof(C)	7799999595	
Physics				
118.	Dr.N.Narasimlu(Head)	Asst. Prof	9949617555	narsimluou@gmail.com nnluou@gmail.com
119.	Ms. R. Swarna Latha	Asst.Prof(C)	9949744133	swarnalatha424@gmail.com
120.	Dr. K. Krishna Murthy Goud	Asst.Prof(C)	9494227476	ou.kkphysics@gmail.com
121.	Dr. B.Ashok	Asst.Prof.(C)	8520051056	Log4ashok@gmail.com
Chemistry				
122.	Dr. A. Panasa Reddy (Head)	Professor	9849957268	reddypanasa@gmail.com
123.	Dr. P. Jalapathi	Asst. Prof		
124.	Mrs. V. Vani	Asst. Prof(C)	7893855746	vani.lns@gmail.com
125.	Mrs. G. Sujatha	Asst. Prof(C)	9490255819	gujjula.sujatha@gmail.com
126.	Mrs. V.Sreedevi	Asst. Prof(C)	9885292810	vsdevi15@gmail.com
127.	Mrs. P. Reshma	Asst. Prof(C)	9052499330	reshma.reddy860@gmail.com
English				
128.	Dr. Saveen Souda(Head)	Asst.Prof.	9989565645	
129.	Dr.J.Savithri	Assoc. Prof.	8500349999	savijandh@yahoo.com
130.	Dr. Lakshmi Mantha	Asst. Prof(C)	9849752655	laksrimantha@yahoo.co.in
131.	Mrs. Suma Bindu Pothuri	Asst. Prof(C)	9985856507	sumabindutrainner@gmail.com
Mathematics				
132.	Dr. Y.Rameshwar (Head)	Asst. Prof.	8332969458	rameshwar@osmania.ac.in
133.	Dr. V. Naga Raju	Asst. Prof.	9440496134	viswanag2007@gmail.com
134.	Dr.K.Phaneendra	Asst.Prof.	8919110795	kollujuphaneendra@gmail.com
135.	Dr. Pothu Thirupathi	Asst. Prof(C)	9949325015	thrupathi@gmail.com
136.	Mr. K. Ramalingaiah	Asst. Prof(C)	9010015790	Kadarirama2@gmail.com
Dept. of Physical Education				
137.	Dr. B. Sunil Kumar (Head)	Professor	7032479481	drbsk.sport@gmail.com
Library				
138.	Dr. P. Damodhar	Library Asst.	9059405311	pdamodhar@yahoo.com
139.	Mr. B. Kumar	Library Asst.	9391130091	boyakumar123@yahoo.com

Awards/ Fellowship received by the College/Faculty

S.No	Nature of Award	Person/Institute Received	Year of Award
1.	IETE-IRSI Award	Mr. N. Diwakar, Chairperson, BoG	1999
2.	Scientist of the Year award of DRDO	Mr. N. Diwakar, Chairperson, BoG	2000
3.	Best Teacher Award by Government	Prof. Shanta Ram, Dept. of Civil Engg.	2000



S.No	Nature of Award	Person/Institute Received	Year of Award
4.	Best Teacher Award by Government	Prof. D. C. Reddy, Dept. of ECE	2000
5.	Best Teacher Award by Government	Prof. D. Babu Rao, Dept. of Civil Engg.	2001
6.	Performance Excellence award	Mr. N. Diwakar, Chairperson, BoG	2002
7.	Best Teacher Award by Government of AP	Prof. Pandari Pande, Dept. of ECE	2002
8.	Best Engg. College Award in the Country by the ISTE	UCE, OU	2003
9.	Sir M.Vishweshvaraiah Award for outstanding Engineer	Prof. Pandari Pande, Dept. of ECE	2003
10.	Prof. K. Sreenivasan Memorial IETE award	Prof. Pandari Pande, Dept. of ECE	2003
11.	Padmasri	Mr. N. Diwakar, Chairperson, BoG	2004
12.	Best Teacher Award by Government	Prof. K. V. Chalapati Rao, Dept. of CSE	2005
13.	Best PhD award from IIT Madras	Prof. A. Krishnaiah Dept. of MED	2006
14.	Best Teacher Award by Government	Prof. A. D. Rajkumar, EED	2007
15.	Prof.S.C.Aiya Memorial IETE Award	Prof. Pandari Pande, Dept. of ECE	2007
16.	ICI: Ultra-tech endowment award for outstanding concrete Technologist	Prof. P. Rao, Civil Engineering Dept.	2007
17.	ISTE Anna university National Award	Prof. Pandari Pande, Dept. of ECE	2009
18.	Vishwakarma Award by CIDC, Planning Commission, Govt. of India	Prof VSS Kumar Dept. of CED	2011
19.	M.S.Jain memorial National Award(Best paper) by IGC, India	Prof.Kumar Molugaram Dept. of CED	2012
20.	Best Teacher Award by Government of AP	Prof. E. Suresh Kumar	2012
21.	Best Teacher Award by Government of AP	Prof. S. Ramachandram Dept. of CSE	2013

S.No	Nature of Award	Person/Institute Received	Year of Award
22.	Indian Concrete Institute(APHC)- Ultratech Endowment Award for Outstanding Concrete Engineer of A. P.	Prof. Ravande Kishore Dept. of CED	2013
23.	POSOCO Power System Award	Dr. G. Mallesham Dept. of EED	2013
24.	ISCA Young Engineer Award	Dr. G. Mallesham Dept. of EED	2013
25.	Academic Research Award of excellence by AMSI	CPTIP, MED, UCE, OU	2014
26.	Best Teacher Award- 2014 by Government of Telangana	Dr. P. Satish Kumar Dept. of EED	2014
27.	Award for Research Excellence, From Indo-Global Education Expo & Summit 2014	Dr. P. Satish Kumar Dept. of EED	2014
28.	Best research paper award in Internation conference ACSME-2014, Bangkok	Prof. M. Kumar Dept. of CED	2014
29.	Global Teacher Role Model Award-2015	Dr. P. Satish Kumar Dept. of EED	2015
30.	Young Faculty Research Fellowship” under Visvesvaraya Scheme	Dr. B. Rajendra Naik Dept. of ECE	2016
31.	Distinguished Faculty in Engg. for the contribution and achievement in the field of Civil Engg. by Centre for Advanced Research and Design, Venus International Foundation, July 8 th , 2017, Chennai, Tamil Nadu.	Prof. M. Gopal Naik Dept. of CED	2017
32.	Honoured and Awarded the best Academician Award by Smart – Infrest – Engineering Services Trust, Sir Mokshgundam Visheswaraya Award on the Occasion of Engineers day on 15 Sep 2017	Prof. V. Bhikshma Dept. of CED	2017
33.	Best Teacher Award- 2017 by Government of Telangana	Prof. S. Sameen Fatima Dept. of CSE	2017
34.	Engineer of the Year -2017 Institute of Engineers, Telangana Chapter	Prof SriramVenkatesh Dept. of MED	2017

S.No	Nature of Award	Person/Institute Received	Year of Award
35.	Best Teacher Award- 2018 by Government of Telangana	Prof. M. Kumar Dept. of CED	2018
36.	Engineer of the Year-2018 Institute of Engineers, Telangana Chapter	Prof. M. Kumar Dept. of CED	2018

List of Ph.Ds Awarded by UCE, OU for the year 2017-2018

S.No.	STUDENT NAME/ GUIDE	TITLE
MED		
1	Mr. S. Venkataiah Guide : Prof. G. Venkata Rao	Investigations on split Air conditioning system with R-22 and R-410A as Refrigerants
2	Mr. M. Sailender Guide : Prof. G. Chandra Mohan Reddy, CBIT, Hyderabad Prof. Sriram Venkatesh, MED, UCE, OU	Optimization of various parameters in submerged ARC welding process
3	Mr. Md. Aleem Pasha Guide : Prof. P. Ravinder Reddy, CBIT, Hyderabad, Prof. P. Laxminarayana MED, UCE, OU	Experimental and Numerical Investigation on Friction Stir Welding of Aluminium and Magnesium Alloys
4	Mr. P.S. Ravi Guide : Prof. A. Krishnaiah MED, UCE, OU	Rollbond Evaporator for room Air conditioner Design and Evaluation for different Refrigerants
5	Mr. P. Venkateswara Rao Guide : Prof. G. Venkata Rao	Numerical simulation studies on a low solidity diffuser with twisted vanes of a centrifugal compressor stage
CSE		
6	Mr Mohd. Mahamood Ali Guide : Prof.Lakshmi Rajamani	Surveillance of Microblogs in Instant Messaging Application
7	Mrs S.Padmaja Guide : Prof S.Sameen Fatima	Extracting Voter Sentiment for Indian a General Election Forecast Using NLP Techniques
8	Mr Srinivas Kanakala Guide : Prof A.Venugopal Reddy	Energy Efficient Routing in Mobile AD-hoc Networks
9	Mr Kurra Mallaiah Guide : Prof S.Ramachandram	Supporting Operations and key Management for Proxy Based Encrypted Databases
CED		
10	G. Rameshwar Rao Guide : Prof. M. Gopal Naik (Head)	Evaluation of Distributed Water Supply Network System and District Metered Area Using Genetic Algorithms and Hydraulic Modelling

S.No.	STUDENT NAME/ GUIDE	TITLE
11	Qamar Sultana Guide : Prof. M. Gopal Naik (Head)	Simulation of Reservoir Sedimentation of Sriramsagar Reservoir
12	K. Pandu Guide : Prof. Kumar Molugaram	A study on Engineering properties of admixture stabilized and reinforced marginal soil mixed with fly ash for sub-grade in flexible pavement construction
13	B. Prasad Guide : Prof. M. Kumar	Integration of Land use and Transportation Models for HMDA area
14	M. Satyanarayana Guide : Prof. M. A. Prasad	Multi Reservoir Operation - Reliability Study for Hyderabad Water Supply System

Ph.Ds Awarded to the Faculty of UCE in the year 2017-2018

STUDENT NAME/ GUIDE	TITLE
MED	
Mrs. T. Nagaveni Under QIP to NIT Warangal Guide: Prof C.S.P Rao	Characterization, modeling and optimization of Gel casted Si ₃ O ₄ based ceramic composites
CED	
Mrs. K. L. Radhika (Dec 2016) Under QIP from NIT Warangal Guide: Prof. P. Ratish Kumar	A study on applicairon of particle packing theories for improving the performance of Recycled Aggregate based self compacting concrete
Mr. D. Rajashekar Reddy Under QIP from IIT Kharagpur Guide: Prof. K. Sudhakar Reddy	Developmemnt of models for resilient modulus and time lag of bitminuous mixes
Mr. K. Shashikanth Under QIP from IIT Bombay Guide: Subimal Ghosh	Statistical downscaling and assessing uncertainties for regional projections of the Indian monsoon.
EED	
Mrs. B. Sirisha Ph.D from OU Guide: Dr. P. Satish Kumar	
Mrs. N. Susheela Ph.D from OU Guide: Dr. P. Satish Kumar	Implementation and analysis of various pulse width modulation control strategies for diode clamped multilevel inverters and hybrid multilevel inverter topologies.

DEPARTMENT OF BIOMEDICAL ENGINEERING



TEACHING FACULTY

Professor		Associate Professor	
			
Dr. M. Malini		Mr. M. Venkateswara Rao (Head)	
Assistant Professors			
			
Mr. D. Suman		Mr. M. Srinivas	
			
Ms. G. Shravanya		Mr. K. E. Ch. Vidyasagar	
Assistant Professors (Contract)			
			
Kiran Kore	K Harish	B. Gayatri	

DEPARTMENT OF BIOMEDICAL ENGINEERING**Fax & Phone No: 040-27090083, 27682233****<http://www.uceou.edu/bme/bme.html>****1. Profile:**

Biomedical Engineering (BME) constitutes human beings earliest efforts to understand the living world in terms of the basic sciences and to comprehend the body mechanism in terms of their technological creations. Biomedical Engineering involves the study and application of engineering processes for diagnosis and therapy. It is a rapidly changing interdisciplinary domain, in which each branch of engineering interacts with a number of other disciplines to yield a fundamental understanding of health maintenance processes for improved diagnosis and optimal interventional (surgical, therapeutic & rehabilitative) procedures.

Osmania University is the first University to start Biomedical Engineering at under-graduate level in the country. The course was started in the year 1982 with an intake of 10 students in the Department of Electronics and Communications Engineering. An exclusive Biomedical Engineering Department was formed in the year 1993 to give the much needed thrust to Programme. The student intake was enhanced to 30 in the year 1996. The Department moved to its present premises in the year 1997. The Department has also started Post Graduate program in Biomedical Electronics in the academic year 2006-2007. The total floor space of 10800 sft. houses class rooms, laboratories and other amenities. The B.E (BME) programme of the department has been accredited by the NBA for the five years with effect from August 2013. A special appreciation was given by the visiting expert team.

Academic Programmes:

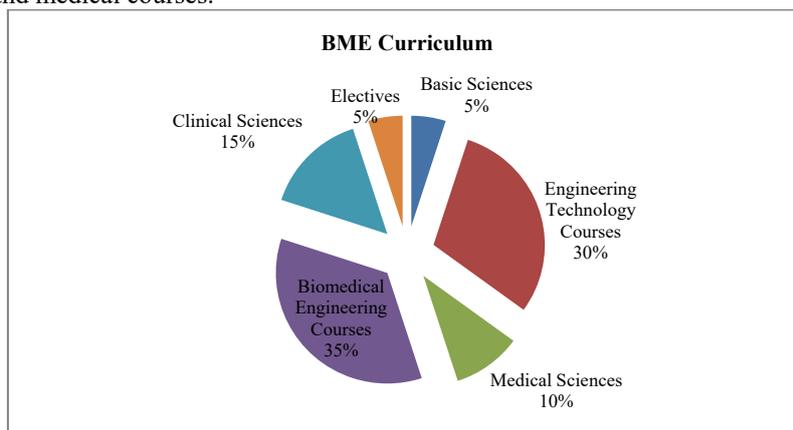
Undergraduate	B.E (Biomedical Engineering)
Post Graduate	M.E (Biomedical Electronics)
Doctoral Programmes	Ph.D. (Biomedical Engineering)

Our Mission:

- To produce Biomedical Engineering graduates who can understand and apply the basic engineering principles in the medical field.
- To produce the Biomedical Engineers who can serve the medical fraternity in design and development of Medical Equipments, implants, and other devices this is in immense use by the society.

Curriculum:

The BME curriculum is a perfect blend of basic sciences, Engineering and medical courses.



Pie Chart of the B.E (BME) Curriculum

1. Faculty details:

Name and Designation	Areas of Specialization
Prof. T.Anjaneyelu , Visiting Professor Retd Prof. IIT, Bombay	Control systems, Medical Sensors
Mr. M.Venkateswara Rao , (Ph.D) MBMESI, MISOI Associate Professor, Chairman BOS(Autonomous) & Head	Hyperthermia, Medical Embedded Systems, Deep Brain Stimulation, Biomedical Instrumentation, Bio Nano technology
Dr. M.Malini , Ph.D., MIE., MISTE, LMISOI, MBMESI Professor Chairman BOS(OU)	Biomedical Signal Processing, Embedded Medical Instrumentation, Biomechanics.
Mr. D.Suman , (Ph.D) MIACSIT, MBMESI Assistant Professor	Biomedical Instrumentation, Biomedical Signal Processing, Internet of Things based Medical Applications
Mr. M.Srinivas M.E,(Ph.D) Assistant Professor	BioMedical Equipment, Instrumentation, Hospital Administration & Management
Ms. G.Shravanya M.S,(Ph.D) Assistant Professor	Medical Sensors, Biomaterials
Mr. K.E.Ch.Vidyasagar M.Tech, (Ph.D) Assistant Professor	Brain Signal Processing, Brain machine Interfacing, Rehabilitation Engineering

Apart from these permanent faculty members, class work is also handled by Assistant Professors (C) and faculty from Osmania Medical College and Durgabai Deshmukh Hospital & Research Center.

2. Career Options: After completion of the course, the students may find place in

Field	Organizations
Higher Education	India (IIT's, IISC, NIT's, Central Universities, State Universities, Deemed Universities like MIT, SRM, VIT, etc.,) & Abroad (Most of the universities in USA, Germany, Sweden, Netherlands, UK, Switzerland offers MS in Biomedical Engineering.)
Research Opportunities	IISC, IIT's, CSIR Institutes, CCMB, IICT, NIMHANS, DRDO, Universities, DEBEL, Many of the universities in abroad are offering research positions in Biomedical Engineering.
Medical Device companies	Siemens Medical Ltd., GE healthcare, L & T medical, Philips medical, BPL medical, Novartis healthcare, Medisun, Pricol medical systems, Covedien - Delhi, Medtronic, Baxter, Boston scientific, Veol Medical Technologies, vTitan Corporation Pvt. Ltd, Relisys Medical Devices Limited, MediVed Innovations etc.
Hospitals	Gandhi hospital, Kamineni hospital, Global hospital Apollo, CARE hospital, Medicit, NIMS, Yashoda hospital, Vasana Eye care, Oxygen hospital, rainbow children's hospital, Innova hospitals, Galaxy hospital etc.
Public Sector in India	HSCC, NIMHANS, HILL, DEBEL, ESI Govt. Hospitals, etc.
Knowledge Process Outsourcing based companies & IPR related field	Evalue Serve-Delhi, CPA Global- Delhi, Scitech - Hyderabad, Pangea3 - Mumbai, Dolcera - Hyderabad, Deloitte healthcare consultancy
Software	Infosys, CTS, Wipro, Deloitte, Intergraph, TCS, Etc.

3. Research Activities:

The faculty of the department is actively involving in research activities in collaboration with various organizations such as EMRI, and hospitals like DDH & RC, NIMS, CARE, Apollo etc. for the development of a number of medical instruments for immediate use of doctors such as bedside monitors, blood-gas analyzers and auto analyzers of corporate hospitals. The staff has designed and developed computer-assisted prescription system (CAPS) that caters to the needs of doctors at primary health centers and district hospitals, helping them in the diagnosis and treatment of about 100 common diseases that afflict the national populace. The faculty is awarded with patent for "cryoshoe" RF renal ablation system.

The Department has been engaged in research and consultancy projects. It received research grants from various government agencies such as AICTE; UGC, DST, TEQIP (Phase I & II) etc., The Department established a Biomedical Instrumentation centre (BMIC) to cater to the needs of medical profession. The faculty members of the department are also active, effective and acknowledged contributors to UPE project of the UGC.

The faculty members of the department are engaged in the following areas of research.

1. GPS-GPRS based emergency patient transportation system and evaluation of physiological parameters.
2. Deep Brain Stimulation as a therapy of Parkinson's disease.
3. EOG signal analysis for the diagnosis of neurological disorders.
4. Driver Drowsiness Detection and alerting system.
5. FDTD analysis of Medical Images.
6. Hyperthermia application of Nano materials for cancer therapy.
7. Non invasive beat to beat BP monitoring system by using PWTT.
8. Wireless Sensor Network.
9. Brain Computer Interfacing.
10. Gait Analysis of Parkinson's patients.

The research contribution made by the faculty has been commendable in terms of the publications and patents applied.

4. Research/Consultancy Projects:

S.No	Name of Principal Investigator	Funding Agency	From	To	Title of the Project	Grant (Rs. in Lakhs)
1.	Mr. M.Venkateswara Rao & Mr. M.Srinivas	DST-PURSE	2017	2020	Gait Analysis in Parkinson's disease	15.00
2.	Dr. M.Malini	DST-PURSE	2017	2020	Analysis of Fetal Heart rate variability	4.0
3.	Mr. D.Suman	DST-PURSE	2017	2020	A holistic therapeutic approach of Yoga and Meditation for the Hypertension- A clinical study on the Autonomic Control system	4.0
4.	Mr. K.E.Ch.Vidya Sagar & Mrs. G.Shravanya	DST-PURSE	2017	2020	Design and development of A Multi biological parameters based integrated system	4.0
5.	Prof. M. Malini	MRP, UGC	2016	2020	Wireless Data Acquisition system for vital sign monitoring	2.64

6.	Mr. D.Suman	MRP, UGC	2016	2020	Design and Development of a Fuzzy Expert system for the mitigation of drowsy driving of the heavy vehicles	5.0
7.	Mr. K.E.Ch.Vidyasagar	MRP, UGC	2016	2020	Design and Development of automatic epilepsy detection and classification system	3.8
8.	Mr. D.Suman	Seed Grant Under TEQIP-II	2015	2016	Mitigation of drowsy driving through ANN based Blink features from the EOG Data Acquisition system	1.00
9.	Mr. M. Venkateswara Rao & Prof. M.Malini	UPE Status of UGC	2013	2018	Hyperthermia application of Nano materials for cancer Therapy	73.50

5. Patents Granted:

S.No.	Patents of the department	Granted Year
1	"Mobile Controlled multi drug infusion system" By Mr. K.E.Ch. Vidyasagar, & Dr. Sudesh Sivarasu, Patent No.: 288750 for 20 years.	2017

Patents Applied:

S. No.	Patents of the department
1	"A Portable device for Automated cradle movement" Ref No: 201741007378, dated: 03-02-2017
2	"Portable Non-invasive multi-wavelength photo plethysmographic measuring technique for Hemoglobin" Ref No: 201641039799, dated: 22-11-2016
3	"Cryo probe used in Cardiac surgery" Ref No: 6317/CHE/2014, dated:16/12/2014
4	"Syncope detection emergency messaging" by Mr.Aravind, Ms.Soundarya and Mr. M.Venkateswara Rao Ref No: 1639/CHE/2009
5	Tarunasri, a Former student(2008) has done her project work on Enzyme Field Effect Transfer (ENFET) For Estimation of Triglycerides Using Magnetic Nano particles at CCMB under Dr. Madhusudan Rao, Deputy Director and got a patent Ref. No. H01R31/00
6	" Intelligent system for monitoring and balancing of battery voltage" Ref. No: 201741047449 A, dated: 05/01/2018. M/S Amara raja Batteries Limited- R.Narayan, M.Venkateswarulu, M.Venkateswara Rao, M.Jagadish

6. Consultancy:

- ✓ Biomedical Instrumentation Centre (BMIC) under the Department of Biomedical Engineering in 1994.
- ✓ Calibration equipment was procured under TEQIP grant in 2016
- ✓ It meets the following objectives:
 - ✓ Calibration and testing of the Electro-Medical Equipment
 - ✓ Maintain Electro-Medical Equipment already supplied to the Hospitals.
 - ✓ Hospital Design, Planning, Procurement of Medical Equipment.
- ✓ Executed an order from Thumbay Hospital, Hyderabad.
- ✓ Internal Revenue Generated in 2017-18 is Rs. 1.8 Lakh.

7. Laboratories of the department:

The department has well equipped following Laboratories:

- 1 Biomedical Equipment Lab/Medical Instrumentation Lab
- 2 Medical Sensors Lab
- 3 Biomedical Signal Processing Lab
- 4 Electronics Lab
- 5 Medical Embedded systems Lab
- 6 Computer Programming Lab
- 7 Microprocessors and Microcontrollers Lab
- 8 Virtual Instrumentation & Simulation Lab

8. Infrastructure:

Software: Turbo C, MATLAB 7.0, NI Lab view, Auto CAD, ORCAD, PCB Prototype software and Grammarly.

Hardware: Major Equipment in the Laboratories

S.No	Equipment
1.	EEG 10-20 Electrode cap
2.	Calibration Equipment
3.	Driving simulator
4.	Motorized Wheel Chair
5.	Microprocessors (8085, 8086) and Microcontrollers Boards (PIC, 8051) and their interfacing kits.
6.	Clinical Analyzer
7.	AD Instruments Computerized Data Acquisition System
8.	PCB prototype machine
9.	Sensor Development Boards

10.	TMT Machine
11.	100MHz Digital Storage Oscilloscope
12.	National Instruments ELVIS II+ Development board
13.	DSP 2X, 6X processors

Library facility:

- 1 Well established Seminar Library with around 2300 books.
- 2 Subscribed for the ISOI Journal from the year 2011-12.
- 3 PCs with internet/Wi-Fi connectivity and UPS facility.

9. Achievements:

The department of BME in collaboration with Care hospitals has started an “Advanced PG fellowship in cardiac electrophysiology” on 30th July, 2013 at Rajbhavan. It was launched by Honorable former president of India Bharat Ratna Dr. A.P.J.Abdul Kalam in the presence of vice chancellor, Osmania University. As part of this, 5 M.E. students were selected for the project internship at Care hospitals under well-known cardiologist Dr.Narshiman and Prof. A.K.Tiwari which resulted with one patent filing.

The B.E (BME) programme of the department has been accredited by the NBA for the five years with effect from August 2013. A special appreciation was given by the visiting expert team. The faculty members of the department are also active, effective and acknowledged contributors to UPE project of the UGC.

Honorable former president of India, Bharat Ratna Dr. APJ Abdul Kalam visited the department on 1st August 2014 and delivered an inspirational speech on Biomedical Innovations and the role of Biomedical Engineers and their impact on the society.

Mr. M.Venkateswara Rao is author of the Book titled “Bioinstrumentation – Tremor Analysis” published by Lambert Publishers.

Dr. M. Malini has been recognized as a Doctoral Committee member for Dr.Rammohan a Ph.D. Candidate in KIMS Foundation & Research Centre under NTR University of Health Sciences.

K. Akitha and team won the first prize in a contest hosted by T-hub under India-Israel collaboration towards the innovations for the society.

Seven teams have participated in Osmecon 2017 (Medtech) held during 12-13th August, 2017 in Osmania Medical College, Hyderabad and three teams have won a total prize money of Rs. 10000/-.

10. Distinguished Alumni:

1	Ravi Bellamkonda	Professor and Associate Vice President for Research at Georgia Institute of Technology, USA.
2	Surekha Palreddy	President at Bio Algorithms, Inc., St. Paul, MN
3	Shailendra M	Sr.DGM at Larsen & Toubro Limited
4	Rajesh K Rapolu	MRI/CT Field Engineer at Radiographic Equipment Services
5	Raghuvender	IP Division , Phillips, Ltd.
6	Sridhar Narayan Porindla	CEO, SNC, Hyderabad
7	Pramod Reddy	Founder & CEO, Allatus Techno-Legal Solutions Pvt. Ltd
8	Vasanth Kumar	Service Specialist at GE Healthcare Pvt. Ltd
9	Chaithanya Krishna MummidiSETTY	Quality Engineer Internship Boston Scientific Corporation Miami, Fl.
10	Mallikarjun	Head, Biomedical Engineering division, NIMS, Hyderabad.

11. Recent Publications:

1. O.M.Sumathi, Malini Mudigonda presented a paper titled "Wireless Data Acquisition System for Multi-patient Vital Sign Monitoring In Intensive Care Unit", in IEEE International Conference on Innovative Technologies in Engineering 2018(ICITE OU) during 11th - 13th April, 2018.
2. Harish Kuchulakanti, Mohammad Ibrahim, Rayikanti Tejashwini, Bathula Thejaswi presented a paper titled "Quantification of RBCs and WBCs using image processing techniques", in IEEE International Conference on Innovative Technologies in Engineering 2018(ICITE OU) during 11th - 13th April, 2018.
3. Mr. D.Suman and students from NIT Rourkela presented a Paper titled "Implementation of an Arrhythmia Detection Scheme with Cellular based alert Frame Work", in IEEE-CALCON.
4. Mr. D.Suman and students from NIT Rourkela presented a paper titled "Performance evaluation of different denoising techniques for Physiological signals", in 14th IEEE- IINDICON Conference in December 2017 held at IIT- Rourkela.
5. Mr. M. Venkateswara Rao and ME Student published a paper titled "Real Time Detection of R Peak in QRS Complex of ECG using Micro

Controller”, in Indonesia Journal of Electrical Engineering and Computer Science.

6. Mr. M. Venkateswara Rao and ME Students published a paper “Oral-feeding evaluation system for preterm infants”; in International Advanced Research Journal in Science, Engineering and Technology (IARJSET), ISSN (online) 2393-8021, ISSN (print) 2394-1588, Vol.4, Issue 1, January 2017
7. Mr. M. Venkateswara Rao and ME Students published a paper titled “Gait Analysis”; in International Journal of Computing, Communication & Instrumentation Engineering (IJCCIE) Vol. 4, Issue 1 (2017) ISSN 2349-1469 EISSN 2349-1477.

12. Conferences/Workshops/Seminars/Guest Lecturers Organized:

1. An International Conference on Innovative Technologies in Engineering (ICITE 2018) was organized along with Computer Science Engineering, Electronics and Communication Engineering and Electrical Engineering departments during 11th – 13th April, 2018 in association with IEEE Hyderabad Section and VSSUT, Burla sponsored by TEQIP-III.
2. Invited Talk by Mr. Deependra Gangakhedkar, Founder, Mediant group LLC, USA on “Biomedical Imaging: A Techno Commercial Perspective” was delivered in ICITE 2018.
3. Dr. Arvind Kumar Rengan, Asst. Prof. IITH delivered an Invited Talk on “Cancer Theranostics -Role of Organo-Inorganic hybrid Nanosystems” in ICITE 2018.
4. Dr. Chittarajan Patra Principal Scientist, IICT, Hyderabad delivered Invited talk on “Zinc Oxide Nano particles: A promising Nanomedicine for future Therapy” in ICITE 2018.
5. Dr. Narendra Babu and Dr. K. Satyanarayana conducted a workshop on “Awareness of Entrepreneurship to Promote Startups in Biomedical Engineering”
6. The Department organized a Blood Donation Camp for Thalassemia Patients in collaboration with Thalassemia and Sickle Cell Society, Hyderabad and 75 Units of Blood was donated on 28th January, 2018.
7. The Department organized a Cancer Awareness Walk on February 4th, 2018, in view of world Cancer Day.

13. Technical Symposia-Meditech-2018:

The students of the Department have organized the National Level Technical Symposium MEDITECH 2018 during 9th & 10th March, 2017. The Chief Guest was Akunuri Murali, IAS, SERP. The chief Sponsors were

Fission Labs, SBH, Alliance Medical Systems, Continental Hospitals and Green Apple, KIMS Hospitals, Care Hospitals.

14. Guest Lectures:

Guest Speaker	Topic
Mr. G. Deependra	Advances in Medical Imaging
Dr. Varun Raj	Laparoscopic Instruments
Dr. Pari Plavi	Silent Killers-Electro radiation from Mobile phones
Dr. Neeraj Raj	Virtual reality and Augmented reality in Healthcare

15. Guest Lecturers delivered by our faculty:

1. Mr. M. Venkateswara Rao delivered a guest lecture on “Quality Control Aspects of Medical Equipment”, for EMTAC Laboratories Pvt. Ltd., Employees.
2. Mr. M. Venkateswara Rao delivered an invited talk on “Point of Care Instrumentation” in Biointeraction-2018, National Seminar on Translational Applications organized by Hyderabad Science Society.

16. Any future plans:

The department has identified several research areas such as biomedical signal & image processing, Nano technology, and Medical Instrumentation to achieve affordable and effective health care delivery. The department established a Biomedical Instrumentation center which caters its services in the following:

1. Maintenance of Medical equipment of hospitals.
2. Calibration and testing of Medical equipment.
3. Health care consultancy.



Electronics Engineering Lab



Computer Programming Lab



Electronics Engineering Lab



Audiometer



Operational Microscope



X-Ray unit for Demonstration



Electroporesis unit



Souvenir released by Dr. Renu John
Head of BME, IIT Hyderabad on
Meditech 2017



Meditech Organizers – 2017 with
faculty members



A motivational Speech by Honorable **APJ Abdul Kalam** on 1st Aug 2014



Souvenir released by A. Murali, IAS in Meditech 2018

DEPARTMENT OF CIVIL ENGINEERING



TEACHING FACULTY**Professors**Prof. M. Gopal
Naik (Head)Prof. Kumar Molugaram
(Principal, UCE,OU)Prof. N. Suresh
Kumar

Prof. V. Bhikshma



Prof. M. A. Prasad



Prof. T. Sambaiah



Prof. P. Raja Sekhar



Prof. K. L. Radhika

Associate ProfessorsDr. M. V. S.
Sreedhar

Dr. K. Shashikanth



Dr. D. Rupesh Kumar



Dr. D. Rajashekar Reddy

Dr. R. Srinivasa
Kumar

Mrs. D. Annapurna

Assistant ProfessorsMrs. S. V. S. N. D.
L. Prasanna

Mrs. P. Anuradha



Mr. R. Rajender

Assistant Professors (Contract)

Mrs. A. Usha Sri



Mr. L. Ajay Kumar



GROUND WATER MODEL



BASIC HYDROLOGY SYSTEM



CREEP TEST RIG



LVDT



DATA LOGGER

Department of Civil Engineering

Tel: 040-27097125

Email-id: headcivil29@gmail.com

1. Profile:

Department of Civil Engineering was established in the year 1929 with an intake of 15 students. It was the first Department to commence the undergraduate programme at University college of Engineering, Osmania University. Initially, the Department and the College started functioning from a building as make shift arrangement and later in the year 1947, they moved into the present majestic building. Over the years, the Department grew from strength to strength in terms of its academic achievements and infrastructure development.

Currently, the Department admits 60 students for the Under-Graduate programme and 90 for the Post-Graduate Courses each year. It also offers part time Post-Graduate courses for the benefit of working Engineers of the twin cities, admitting 45 candidates annually. The Post-Graduate programmes are offered in the field of Structural Engineering, Geotechnical Engineering, Water Resources Engineering, Infrastructure Engineering, Transportation Engineering, and Construction Engineering & Management. The Department has doctoral programmes as well, and has over 25 candidates enrolled for their PhD programme. The Department also has the distinction of enrolling large number of foreign students both at UG and PG level.

The Department provides research and consultancy services to various public and private sector organizations, and thus earns substantial amount of revenue for developmental activities. Further, the Department receives research and modernization grants from UGC, DST, MHRD, and AICTE for carrying out research and developing the laboratories. The Department has celebrated its Golden Jubilee in 1979 and Diamond Jubilee in 1989. The key milestone in the history of the Department is the Platinum Jubilee celebrations held in the year 2004.

The Department has developed expertise over the years in the fields of Concrete technology, Recycled aggregate concrete, Civil engineering materials for sustainable development, Finite element analysis, Bridge engineering, Earthquake resistance structures including tall structures, Foundation engineering, Environmental engineering, Integrated expert systems, GIS and GPS , Water resources engineering, Transportation Systems Engineering and Fuzzy logic applications. The Department has received research funding for carrying out research projects in the field of Recycled aggregate concrete, Temperature distribution in concrete railway

bridges, Water and air quality studies, Water management, Wind tunnel studies, Construction engineering and management, Geo-textiles, Seismic resistant structures, Bridges, and Computer applications.

Several faculty members have received prestigious awards including the Best Teacher awards of the State Government and the Best Publication awards reflecting their teaching abilities and the research contribution. Many of the faculty members are listed in several national and international biographical directories. The faculty has published over 1500 papers in various international and national journals and conferences besides text books and professional books.

2. Laboratories available in the Department:

- Materials Testing Lab.
- Concrete and Structures Lab.
- Transportation Engineering Lab.
- Geo-Technical Engineering Lab.
- Fluid Mechanics Lab.
- Environmental Engineering Lab.
- Surveying Lab.
- Computer Lab.
- Geology Lab.

The laboratories are upgraded periodically with the state of the art equipment with the help of research and development grants received from the University Grants Commission (UGC), Ministry for Human Resource Development (MHRD), All India Council for Technical Education (AICTE) and other agencies.

3. Major Equipment available in the Department:

- Universal Testing Machines of 1000 kN and 2000 kN capacity, Torsion, Shear, Tension, Compression and Flexural Testing Equipments, 1000 kN & 150 kN loading frames, Impact Testing Machine, Vibration monitoring systems, Large Scale Direct Shear Box Testing Unit, Triaxial Testing Machine with pore pressure measurement facility, Low-Speed short Wind Tunnel (0. 61m X 0. 61 m) with two component strain gauge balance, Tilting frame (12.0 m length), Dual frequency Doppler Flow Meter, Nephelometer, Portable Spectrophotometer, Total station, Automatic Level, NDT Equipments like Corrosion analyzer, Profometer, Schmidt Rebound hammer and Ultrasonic test apparatus, Infrared camera, Ground Penetrating Radar (GPR), Asphalt Testing System, BOD equipment with dissolved oxygen probe and Fluoride Electrode

- Latest Software Packages like ANSYS, NISA, NASTRAN, AutoCAD, STAAD.PRO, SAP, ETABS, ArcGIS, InfoSWMM, Symantec Antivirus Endpoint Protection, etc

TEQIP Phase-II: Procurements

- The following equipments were procured, installed and being used:
Relative density apparatus, Automatic compactor, Block resonance test facility, Electrodes for ions, Discharge measuring system, Total station, Longitudinal Compressometer, Humidity Chamber, Fatigue Testing Machine 200kg, Drying Shrinkage and Moisture movement, Groundwater model, Basic hydrology system and Accelerated polishing machine.
- The following software were procured, installed and being used:
MATLAB, STAAD, B_est, MD FEA, CARD/1 (Transportation Engineering Software), CUBE 6.0 (Traffic Planning Software / Academic version) and Geo-Slope (Geo5) (Geotechnical Engineering Slope Stability Software).

TEQIP Phase-III : Procurements

- The following equipments were procured, installed and being used:
Creep Test Rig, Data Logger, LVDT and Modification of CTM for performing load test on soils
- The following equipments are under process of procurement:
Asphalt Mixer (5 liter capacity) and Upgradation of existing load test facility in Geo-Technical Engineering Lab

Library

The following books are available in the department library

Reference Books	-	761
Text Books	-	1700
General Books	-	200
Journals (ACI, National, International)	-	688
Code Books	-	200

4. Faculty Details

Faculty member	Areas of Teaching and Research
PROFESSOR AND HEAD	
Dr. M. Gopal Naik, B.E. (OU), M.E. (OU), Ph.D. (IIT-B), FIE, MASCE, IWRS, ISRS, ISH, ISG	Watershed Modeling, Integrated Watershed Management Systems, Hydrology and Water Resources Engineering, FEM application to Water Resources Engineering, Remote Sensing and Geographical Information Systems & Global Positioning System, Applications of Geospatial Technologies and Soft computing Techniques to



Construction Engineering and Project Management	
PROFESSORS	
Dr. Kumar Molugaram B. E. (OU), M. Tech(JNTU), Ph. D(IITB), FIE, MISTE, MIRC, MIIBE, MIUT, MISR, MWCTR, MASCE, MTRB	Land-use transportation integration, Urban transportation planning, Behavioral modeling, Micro-simulation, Optimization techniques, Traffic Engineering, Rural roads planning and development, Highway material testing, Pavement systems design and Evaluation
Dr. N. Suresh Kumar B. Tech. (KU) M.E. (Anna U), Ph. D. (IIT B) MISTE, MISH	Free surface flows, Water management, Rural and urban water supply systems and Environmental hydraulics
Dr. V. Bhikshma B.E.(OU), M.Tech (JNTU), Ph. D(O.U)	Structural analysis and design, Concrete composites, Bridge engineering, Reinforced cement concrete, Prestressed concrete, Concrete technology, Earth quake engineering
Dr. M. Anjaneya Prasad B. E. (OU),M. Tech (REC-S), PhD(IITM)	Hydraulics, Water Management Systems, Fuzzy logic applications to water resources, Optimization application in water resources
Dr. T. Sambaiiah B.E.(OU), M.E.(OU), PhD(OU)	Geotechnical engineering and Geo-textiles
Dr. P. Raja Sekhar B.E.(OU), M.E.(OU), Ph.D (IITB)	Water resources engineering, Hydrology and water management, Ground water hydrology, Ground water pollution studies at normal gravities (1g) and enhanced gravities (Ng- centrifuge modeling studies)
Dr. K. L. Radhika B. Tech (JNTU),M. E. (OU), Ph.D (NITW)	Structural analysis and design, and Concrete Technology
ASSOCIATE PROFESSORS	
Dr. M. V. S. Sreedhar B.Tech (JNTU),M. Tech (IITB),Ph.D(OU)	Geotechnical engineering, Ground improvement techniques, Geo-Synthetics, Soil dynamics and machine foundations, Geotechnical investigations.
Dr. K. Shasikanth B. Tech (SVU) ME-CE (UVCE-B), M.Tech- CS (JNTU)	Surface water hydrology, Mathematical modeling to water resources, ANN and GIS applications.
Dr. D. Rupesh Kumar B. Tech (NU), M.Tech (JNTU), Ph.D (JNTU).	Design of RCC & steel structures, Finite element analysis, Earthquake resistant design of structures, Design of bridges, Structural shape optimization
Dr. D. Rajashekar Reddy BE (OU), M.Tech (JNTU), Ph.D(IITKGP)	Transportation Engineering, Traffic Engineering, Pavement analysis, Pavement Construction
Dr. R. Srinivasa Kumar BE(OU), ME(MSU), Ph.D(IITKGP)	Transportation engineering, Highway planning, Pavement design, Evaluation and maintenance, Pavement material characterization and Statistical analysis of data.
Mrs. D. Annapurna B. Tech (SKU), ME(OU)	Structural analysis and design, Computer aided analysis & design of structures.
ASSISTANT PROFESSORS	
Mrs. S. V. S. N. D. L. Prasanna BE(OU), ME(OU)	Water Resources Engineering, Ground water hydrology and Environmental Engineering.
Mrs. P. Anuradha	Structural analysis and Earthquake analysis

B. Tech (JNTU), M. Tech (JNTU)	
Mr. R. Rajender B.E (OU), M.E (IISc)	Design of Machine Foundations, Structural Dynamics, Finite Element Methods, Structural Analysis and Design, Earthquake Resistant Design
ASSISTANT PROFESSORS (CONTRACT)	
Mrs. A. Usha Sri B.E (OU), M.E (IITD)	Structural analysis and Structural Dynamics
Mr. L. Ajay Kumar B.E (OU), M.E (OU)	Structural analysis, Design of RCC & Concrete Technology

5. Membership of Professional Bodies:

The Department acquired the organizational membership of

- Association of Consulting Civil Engineers (ACCE-India), Bangalore
- Indian Concrete Institute (ICI), Chennai
- Indian Society For Technical Education (ISTE), New Delhi

6. Research Activities:

The Faculty of the Department is actively involved in the research and development activities in the following areas of civil engineering.

- ❖ Concrete technology including Recycled aggregate concrete, Fly ash concrete, Geo-polymer concrete, High performance concrete and Sustainable materials
- ❖ Bridges, Shells, Folded plates and multi- storied buildings
- ❖ FEM, Expert system, ANN, and Fuzzy Logic applications
- ❖ Geotechnical engineering and geo-textiles
- ❖ Planning and design of lift irrigation systems
- ❖ Planning and design of storm water drainage systems
- ❖ Optimization of reservoir releases through fuzzy logic approach
- ❖ Remote sensing ,GIS and GPS application in Hydrology
- ❖ Ground water pollution studies
- ❖ Transportation Planning and Modeling, Micro- simulation and GPS applications
- ❖ Pavement systems engineering
- ❖ Construction Engineering and management, Environmental hydraulics, cost-effective technologies for water and waste water treatment

7. Research Projects

Faculty Name	Name of Sponsored R&D Project	Amount (Rs.) & Duration	Name of Sponsored Agency/Organization
Prof. V. Bhikshma	Experimental Investigation on	3,35,000	UGC Miner research

	Flexural and shear behavior of High strength pond ash concrete		work
Dr. M. V. S. Sreedhar	Investigations on Effectiveness of Coir Geo-Products in Erosion Control Applications	1,20,000 (10 months) (Completed)	Industry – M/s SRV Projects, Tadepalligudem
	Laboratory investigations on the Uplift Capacity of Shallow Foundations	3,20,000 (One year) (In progress)	Industry – M/s RAMBOLL Engineers, Hyderabad
Dr. K. Shashikanth	Rainfall Projections of ISMR under climate change	1,50,000	UGC

8. Consultancy Projects:

Faculty Name	Name of Consultancy Project	Amount (Rs.) & Duration	Name of Sponsored Agency/Organization
Prof. V. Bhikshma	Prof checking and other consultancy works	25,00,000	Government and other organizations
Prof. M. A. Prasad	Vetting of Hydraulic Designs	88,500	Private Organizations
Prof. T. Sambaiah	Consultancy projects	6,36,160	Different organizations
Dr. M. V. S. Sreedhar	3 rd Party QC Inspection of works in M/s SCCL, Ramagundam (5 works)	12,00,000 (6 to 12 months)	M/s SCCL, Ramagundam
Dr. D. Rajashekar Reddy	Detailed study of Quality Control Parameters	0.75% of the work done, 1 year	GHMC, Hyderabad
Dr. D. Rupesh Kumar	72 projects of several Government organizations ,	40.81 Lakhs (1 July	72 clients include PRED, GHMC, HMDA, etc

		2017 to 30 June 2018)	
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9. List of Publications in International Journals by Faculty:

Faculty Name	Paper Title	Journal Name	Volume No. & Year
Prof. M. Gopal Naik (Head)	Hydrological Modeling of Musi River Basin India and Sensitive Parameterization of Stream Flow using SWAT CUP model	Journal of Hydrogeology and Hydraulic Engineering (JHHE)	Vol. 6(2), Pp.1-10, 2017
	Hydrological Modeling of Musi River Basin and Impact Assessment of Land Use Change on Urban Runoff	International Journal of Engineering Research and Technology (IJERT)	July, 2017, Vol. 6(7), Pp.305-312
	Useful Life of a Reservoir and its Dependency on Watershed Activities	Journal of Agricultural Research and Technology	Vol.8 (5), Pp.01-09. July, 2017
Prof. M. Kumar	Examining crash variable based on collision type for predicting crash severity on urban highways	International Journal of Traffic and Transport Engineering	Vol. 7(3); pp:381 – 390 (2017)
	Evaluation of delay characteristics at signalized Intersections for improvement in level of service		Vol. 8(3); pp:309 (2018)
	A Laboratory Investigation on Rutting Characteristics of HMA & WMA Mixes when	Journal of the Eastern Asia Society for Transportation Studies	Vol. 11 (2017)

	Reinforced with Fibers		Vol. 12, (2017)
	Road Side Interview (RSI) Technique for Calculation of Traffic Growth Rates at Micro Level		
	A study on influence of shape of aggregate on strength and quality of concrete for buildings and pavements	International Journal for Advanced Materials Research	Vol. 941-944 pp766-779, (2017)
Prof. V. Bhikshma	An Experimental Investigation on Flexural Behaviour of Natural and Recycled Aggregate Concrete Beams Using Recron 3-S Fibers	International Journal of Emerging Technology and Advanced Engineering	Volume 7, Issue 11, November 2017
	Development of M40 Grade Recycled Aggregate Concrete by Replacing 100% Virgin Aggregates With Recycled Aggregates and Partial Replacement of Mineral Admixtures	International Journal of Engineering Research and Application	Vol. 8, Issue3, (Part -V) March 2018, pp.27-32
Prof. M. A. Prasad	Identification of Critical Erosion Prone Areas and Computation of Sediment Yield Using Remote Sensing and GIS: A Case Study on Sarada River Basin	J. Inst. Eng. India Ser. A	Springer
	Temperature Projections from GCMs Using Quantile Remapping Method	International Journal of Applied Engineering Research	Volume 13, Number 11 (2018) pp. 8922-8924
	Reservoir Operation	International Journal	Volume 3,

	Model for Hyderabad Water Supply System	of Emerging Technology and Advanced Engineering	Issue 6 Pp 950-956 Impact factor: 4.295
	Reservoir Operation of Hyderabad Water Supply System		Volume 7, Special Issue 2, Dec. 2017 Pp 579-582
	ANFIS Model for Reservoir Operation	International Journal of Emerging Technology and Advanced Engineering	Volume 8, Special Issue 5, May 2018 Pp 218-225
	Water Distribution Network Model Using EPANET		Volume 8, Special Issue 5, May 2018 Pp 226-229
Prof. K. L. Radhika	Contractors Critical Factors Influencing Project Success: A Case of Indian Construction		Vol 5, Issue XI, November 2017, pg. 1803-1808
	Factors Effecting Cost Estimation: A Case Study from Yemen Construction Projects	International Journal for Research in Applied Science & Engineering Technology	Volume 6, Issue II, Feb 2018
	Dynamic Analysis of a Tall Chimney		Volume 6, Issue II, Feb 2018
	Strength and Durability of Self Curing Concrete using Recycled Aggregates		Volume 6, Issue III, March 2018, pg. 1274-1280
	Strength and Durability of Self Curing Concrete using Recycled Aggregates		Volume 6, Issue II, April 2018, pg. 144-154
	Project Success Analysis of Contractor	International Journal of Emerging	Volume 8, Special

	Organization Attributes using Regression Model	Technology and Advanced Engineering	Issue 5, May 2018, pg. 249-253
	Factors Effecting Cost Estimation: A Case Study from Yemen Construction Projects		Volume 8, Special Issue 5, May 2018, pg. 115-122
Prof. K. L. Radhika & Mrs. P. Anuradha	Study on Strength Characteristics of Fly-GGBS Based Geopolymer Concrete using Crusher stone dust as Fine Aggregates	International Journal of Emerging Technology and Advanced Engineering	Vol 07, Issue 2, December 2017, pg. 487-493
	Effect of Slope Combination on Dynamic Analysis of RCC Chimney		Volume 8, Special Issue 5, May 2018, pg. 157-163
Dr. D. Rupesh Kumar	"A Study on Retrofitting of RCC Industrial Building, pp. 105-114.	International Journal of Research in Engineering and Technology	V. 08, Special Issue 05, May 2018, (UGC S.No. 1, J.No. 49004)
	"A Study on Skew Effect of Prestressed Concrete Bridges, pp. 187-194.		
	"Shape Optimization of PVNR Expressway and Muslim Jung Parallel Bridge Piers pp. 1-10.		V. 07, Special Issue 02, December 2017, (UGC S.No. 1, J.No. 49004)
	"Structural Shape Optimization – Part 1: Weight and Strain Energy Minimizations," pp. 11-18.		
	"Structural Shape Optimization – Part 2:		

	Stress Leveling, and Weight and Strain Energy Minimizations,” pp. 19-26.		
	. “A Study on Shear Strengthening of Reinforced Concrete Beams,” pp. 27-35.		
	“A Study on Mechanical Properties of Unprocessed Crushed Stone Aggregate Concrete,” pp. 36-40.		
	“Mechanical Properties of Concrete Using Manufactured Sand,” pp. 173-179.		
	“Study on Mechanical Properties of Binary Blended Recycled Aggregate Concrete Using Rice Husk Ash,” pp. 236-240.		
	“Strength Characteristics of Fly Ash Concrete with same Workability,” pp. 53-56.		V. 06, No. 08, August 2017, pp. 53-56. (UGC S.No. 1, J.No. 49004)
Dr. M. V. S. Sreedhar	Model studies on the Effect of Cavity on Bearing Capacity of a Shallow Foundation	International Journal of Emerging Technology and Advanced Engineering	Vol.7, Special Issue 2, Dec-2017. (Pp.583-587).
	Laboratory		Vol.7,

	Investigations on Carrying Capacity of Piles in Ash Ponds		Special Issue 2, Dec-2017. (pp.588-591)
	Influence of Plastic Fines on Compaction and Shear Strength Characteristics of Soil Mixtures	Australian Journal of Engineering and Technology Research	Vol.2, Issue 2 -2017, (pp.15-34)
	Influence of Plastic Fines on Compaction and CBR Characteristics of Soil Mixtures	International Journal of Engineering Research & Technology,	Vol.6, Issue 07, July-2017, (pp. 233-239)
Dr. D. Rajashekar Reddy	Evaluation of rutting potential of asphalts using resilient modulus test parameters	Road Materials and Pavement design (Taylor & Francis)	August 2017
	Planning of Cross-Pedestrian facilities in urban areas	International Journal of Emerging Technology & Advance Engineering	Volume 7 Issue 12 Dec 2017
	Evaluation of the effect of aggregate gradation & binder parameters on Bituminous Mix Rutting		Volume 8 Spl. Issue 05 May 2018
	Capacity analysis of Roundabout	International Journal of Advance Research in Science & Engineering	Volume 6 Spl. Issue 01 Dec 2017
	Improvement of Sub-grade material using additives		
	Impacts of Roadway Traffic and man-made features on Road safety		
	Geometric design consistency & its relation to safety on outer ring road		

	Soil Stabilization and design of Flexible pavements using IRC:37-2012	Journal of Emerging Technologies and Innovative research	Volume 5 Issue 02 Feb 2018
Mrs. D. Annapurna	Evaluation of mechanical properties of Fly ash and GGBS based Geopolymer concrete	Journal of Emerging Technologies and Innovative Research	December 2017, Volume 4, Issue 12
	Development of Artificial Neural Network Model for Geopolymer Concrete	International Journal of Emerging Technology and Advanced Engineering	Volume 8, Special Issue 5, May 2018
	Influence of Calcium Content on Micro Structure of Geopolymer Mortar		Volume 7, Special Issue 2, December 2017
	Experimental Investigation on Volcanic Ash – Based Geopolymer Concrete	International Journal of Engineering Technology Science and Research	Volume 5, Issue 1 January 2018
Mrs. S. Prasanna	Multi Criteria Decision Analysis for Optimal Selection of Supplier Selection in Construction Industry – A Case Study	International Journal of Engineering Technology Science and Research	Volume – 5, Issue – 1, Jan-2018

10. List of Publications in National Journals by Faculty:

Faculty Name	Paper Title	Journal Name	Volume No. & Year
Prof. M. Kumar	Modeling of pedestrian gap in perspective of land use pattern at Midblock location in urban cities	i- Mangers Journal on Civil Engineering	Vol. 7 (1) pp:37 – 44 (2017)
	Identification of Black Spot Location for Providing Improvement Measures on Selected		Vol. 7(3;) pp:15 – 24 (2017)

	Stretch of National Highway in Hyderabad.		
	Assessment of Air Pollution Levels in Urban Area Under Heterogeneous Traffic Condition- A Case Study		Vol. 8 No 1 (2018)
	Effect of Polypropylene Granules in Asphalt Mix Prepared with varying Packing Characteristics	Highway Research Journal, IRC, India	Vol. 9(1); pp:13-20 (2018)
	Development of Model For Pedestrian Gap Based On Land Use Pattern At Midblock Location And Estimation of Delay At Intersections	Journal of The Institution of Engineers (India)	Vol. pp:1-10 (2018)
	A Review of Traffic Calming Measures	Indian Journal of Scientific Research	Vol. 17 (2) pp:93-99 (2018)
Prof. K. L. Radhika	Optimization of mix proportioning for Self Compacting Concretes using Particle Packing theories	Indian Concrete Journal	Vol913, April 2017 No.4, Pg 20-31
Dr. R. Srinivasa Kumar	Roughness Evaluation of Flexible Pavements Using Merlin and Total Station Equipment	Journal on Civil Engineering	Dec-Feb 2018 Vol (8), Issue No. : 1
	Development of Vehicle Tailpipe Emission Models Based on Road Roughness		Sep-Nov 2017 Vol (7) Issue No. : 4
Mrs. D. Annapurna	Experimental and analytical studies on flexural behavior of Geopolymer concrete	The Indian Concrete Journal	Dec 2017, Vol.91, No.12, pp 45-50.

11. List of Publications in International Conferences by Faculty:

Faculty Name	Paper Title	Conference Name	Volume No. & Year
Prof. M. Gopal Naik (Head)	Case Study on Impact of land use Change on Urban Runoff with Hydrological Modelling of Musi River basin, India	Proc. HYDRO-2017 International	21 st -23 rd December, 2017
	Simulation of Trap Efficiency for Sriramsagar Reservoir using Artificial Neural Network Techniques	eProc. of 37 th IAHR World Congress	13 th -18 th August, 2017
Prof. M. Kumar	The Effect of Using Acid Modified Mixes on Performance of Asphalt Concrete	4 th Conference of Transportation Research Group of India (CTRG)	17-20 December, 2017
	An Impact of Automatic Toll Collection on Outer Ring Road using Intelligent Transportation System		
	A Review of Traffic Calming Measures	2 nd International Conference on Recent Innovations in Engineering & Technology	21-22 December, 2017
	Experimental Study on Geo cell and of Fiber Reinforced Soil Sub-Grade under Static and Repetitive Load	International Symposium on Geo techniques of Transportation Infrastructure on.	April 07 -08, 2018 at IIT Delhi
Prof. V. Bhikshma	Stress Strain Behavior of fly ash based Geo-Polymer Concrete with addition of GGBS	International Conference on Innovations in Structural Engineering	Dec 2017
	Development of High strength Recycled Aggregate Concrete		

	mixes		
	Experimental Investigation on Mechanical properties of high strength Geo polymer concrete		
	Experimental study on flexural behavior of high strength Geo polymer concrete		
	Experimental Investigation on strength properties of Recycled aggregate concrete		
	Mechanical properties of the concrete using manufactured sand		
Prof. K. L. Radhika & Mrs. P. Anuradha	Study on Strength Characteristics of Fly Ash – GGBS based Geopolymer Concrete using Crusher Stone Dust a Fine Aggregates	International Conference on Innovations in Structural Engineering	pg 493-498
Dr. M. V. S. Sreedhar	Laboratory Evaluation of Erosion Control Using Coir Geoproducts	IGC-2017 organized by IIT, Guwahati	14-16, December-2017, pp.1-4.
	Model Studies on the Effect of Cavity on Bearing Capacity of a Shallow Foundation	International Conference on Innovations in Structural Engineering	28-31, Dec-2017, pp. 563-565.
	Laboratory Investigations on Carrying Capacity of Piles in Ash Ponds		
Dr. D. Rupesh Kumar	Shape Optimization of PVNR Expressway and Muslim Jung Parallel Bridge Piers	International Conference on Innovations in Structural Engineering, IC-ISE-2017, ISBN: 978 93	29-31 December 2017,
	“Structural Shape Optimization – Part 1: Weight and Strain		

	<p>Energy Minimizations,”</p> <p>“Structural Shape Optimization – Part 2: Stress Leveling, and Weight and Strain Energy Minimizations,”</p> <p>. “A Study on Shear Strengthening of Reinforced Concrete Beams,”</p> <p>“A Study on Mechanical Properties of Unprocessed Crushed Stone Aggregate Concrete,”</p> <p>“Mechanical Properties of Concrete Using Manufactured Sand,”</p> <p>, “Study on Mechanical Properties of Binary Blended Recycled Aggregate Concrete Using Rice Husk Ash,”</p>	86724 33 5, Hyderabad, India	
Mrs. D. Annapurna	Analytical Modelling of Geopolymer Concrete Using ANSYS Software	62 nd Congress of Indian Society of Theoretical and Applied Mechanics	Dec. 15-18, 2017
Mrs. S. Prasanna	Cost Comparison Analysis for Water Distribution Network System – A Case Study	62 nd Congress of Indian Society of Theoretical and Applied Mechanics	Dec, 2017
	Multi Criteria Decision Analysis for Optimal Selection of Supplier Selection in Construction Industry – A Case Study	Advancement in Engineering, Applied Science and Management	7 th Jan, 2018

12. List of Publications in National Conferences by Faculty

Faculty Name	Paper Title	Conference Name	Volume No. & Year
Prof. V. Bhikshma	Mix proportions of high strength geopolymer concrete	RTSE, Organized by Methodist Engg College	2017
	Development of Mathematical model for Geopolymer concrete	NCACACE	2018
Prof. M. A. Prasad	Mathematical Models in Hydrology and Water Resources Engineering	5th National Conference on Water, Environment & Society (NCWES - 2018)	4-6 June 2018, PP 115-122
Prof. K. L. Radhika	A Comparative Study on Seismic Analysis of Irregular Framed Structure with Bare Frame, Open Ground Storey and Infilled Frame	2-day National Conference on Advanced Computing Applications in Civil Engineering	pg 201-215
	Project Success Analysis of Contractor Organization Attributes using Regression Model		pg 287-292
	Factors Effecting Cost Estimation: A Case Study from Yemen Construction Projects		pg 293-300
Prof. K. L. Radhika, & Mrs. P. Anuradha	Effect of Slope Combination on Dynamic Analysis of RCC Chimney		pg 187-192
Dr. D. Rupesh Kumar	“A Study on Retrofitting of RCC Industrial Building,”	Proceedings of National Conference on Advanced Computing Applications in	20-21 April 2018

	“A Study on Skew Effect of Prestressed Concrete Bridges,”	Civil Engineering, ACACE-2018, Hyderabad, India, ISBN: 978 93 87593 22 0,	
Mrs. S. Prasanna	Numerical Simulation of Francis Turbine Using Computational Fluid Dynamics - CFX	Sustainable Water and Environmental Management (SWEM-2017)	21 st – 23 rd Dec, 2017
	A Comparative Study of Different Contractor Selection Methods	Advanced Computing Applications in Civil Engineering	April, 2018

13. List of Books / Proceedings Published by Faculty:

Faculty Name	Title	Publisher Name ISBN No.	Pages	Year of Publication
Prof. V. Bhikshma & Dr. D. Rupesh Kumar	An International Conference on Innovations in Structural Engineering(ICISE 2017)	978-93-86724-33-5		2017
Prof. V. Bhikshma, Prof. P. Raja Sekhar & Prof. K. L. Radhika	Two Day National Conference on Advanced Computing Applications in Civil Engineering (ACACE-2018)	BS PublicationsHyderabad 978-93-87593-22-0	320	2018
Dr. R. Srinivasa Kumar	Introduction to Traffic Engineering	Universities Press Pvt. Ltd. 978-93-86235-47-3	832	2018

14. Guest Lecturers delivered by Faculty:

Faculty Name	Details of Lecture	Name of Organization	Date
Prof. M. Kumar	How to Define Research problem?	ERM Workshop (18-22, June 2018), University College of Engineering, OU	19-06-2018
	How to Appraise Literature Review?		21-06-2018
	Issues and Challenges of Transportation System Engineering	FDP on Glimpses of World Class Innovations In the Realm of Civil Engineering, Ashoka Institute of Engineering and Technology	20-01-2018
	Micro-simulation applications in Transportation planning and Modelling		19-01-2018
	Transportation Planning Perspective for Smart cities	5 day National Workshop on "Traffic and Transportation Planning For Smart Cities (TTPSC 2017)"	25-11-2017
	Transportation Smart Infrastructure for smart cities		
	Emerging Technologies in Transportation Engineering	FDP on "Emerging Concepts in Civil Engineering Fields"	12-12-2017
	Transportation Infrastructure Projects in India	CMR College of Engineering & Technology	15-12-2017
	TSM actions for Traffic Management	3-Day National Workshop on "Urban Traffic Modeling Using Vissim"	10-11-2017
	Significance of Science & Technology in the Context of Higher Education – Indian Perspective	Sensitization Workshop On National Science & Technology Information System	13-10-2017



		And Policy, SRIIT Hyd	
	State of the art technologies in Transportation Engineering	FDP on Innovative technologies in civil engineering, MRIT	09-09-2017
	Future Prospects of Civil Engineering	Workshop on Engineers Day By Methodist College of Engineering, Hyd	15-09-2017
	Significance of Choice Based Credit System in Higher education	One day workshop on CBCS by City college, Hyderabad	25-08-2017
Prof. M. A. Prasad	Simulation Modelling of Multi Reservoir Systems and Pipe Networks	Er. G. V. Subba Rao Second Endowment Lecture at "Institute of Engineers" India, Hyderabad	19-06-2018
Prof. P. Raja Sekhar	How to Conduct Literature Survey and Review & Defining Research Problem	Dept. of Mech. Engg., OU, Hyd	18-22 June 2018
Dr. M. V. S. Sreedhar	Applications of Geosynthetics in Civil Engineering	Brilliant Institute of Engineering & Technology, Hayathnagar, Hyderabad	03.04.2018
	Geosynthetic Materials - Geotextiles-Types and properties	ESCI, Hyderabad	20.06.2018
	Lecture-demonstration on Geotechnical Engineering Laboratory tests		21.06.2018
	Geosynthetic Applications in Ground Improvement		20.07.2017
Dr. K. Shashikanth	Projections of Rainfall under climate change in Telangana State	Consultation & State Working Group meeting on State Specific	20-06-2017

		Action Plan for water sector in Telangana State, EPTRI	
	Use and Applicability of General Circulation Models in the Simulation of Climate System	5 th National Conference on Water, Environment and Society (NCWES-2018), JNTU HYDERBAD	05.06.2018
	Ranking of GCMs based on Bayesian technique	National conference at JNTU Hyderabad	21-23 December 2017
Dr. D. Rajashekar Reddy	Philosophy of Flexible pavement design for Rural Roads (2 lectures)	Telangana State Institute of Panchayat Raj & Rural Development, Rajendra Nagar, Hyd	19-21 Feb, 2018
	Design inputs for Flexible pavements (2 lectures)		22-24 Feb, 2018
Dr. R. Srinivasa Kumar	Pavement Management Process- Design Standards	ESCI, Hyderabad	26 -06- 2018
	Intervention Criteria and Alternate Strategies		27-06- 2018
Dr. D. Rupesh Kumar	Analysis, Design and Detailing of RCC Buildings	Department of Civil Engineering, Anurag Gropu of Institutes, Venkatapur, Hyderabad	10 February, 2018
	Analysis, Design and Detailing of an RCC Store Room Building	Department of Civil Engineering, Gayathri Vidya Parishad College of Engineering, Madhurawada, Visakhapatnam	13 October, 2017

15. Conferences / Workshops / Seminars / Trainings organized by Faculty:

Faculty Name	Title	Dates
Prof. M. Gopal Naik (Head), Dr. K. Shashikanth & Mrs. S. Prasanna	World Water Day -2018: One-Day National seminar on World Water Day: Nature for Water	22 nd March, 2018
Prof. M. Gopal Naik (Head) & Dr. K. Shashikanth	Inauguration of Indian Green Building Council Hyderabad Chapter	22 nd March, 2018
Prof. V. Bhikshma	Inauguration of Indian Concrete Institute Student Chapter	19 th January, 2018
Prof. V. Bhikshma & Prof. M. A. Prasad	Mock Visit of NBA team to Department	30 th October, 2017
Prof. V. Bhikshma & Prof. K. L. Radhika	NAAC Visit to Department	18 th August, 2017
Prof. V. Bhikshma & Dr. D. Rupesh Kumar	Pre-conference Workshop on 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (ISTAM-20-17-An International Meet)	13-14 December, 2017
Prof. V. Bhikshma & Dr. D. Rupesh Kumar	62nd Congress of The Indian Society of Theoretical and Applied Mechanics (ISTAM-20-17-An International Meet)	15-18 December, 2017
Prof. V. Bhikshma & Dr. D. Rupesh Kumar	An International Conference on Innovations in Structural Engineering(IC-ISE 2017)	28-31, Dec-2017
Prof. M. A. Prasad, Prof. P. Raja Sekhar & Dr. K. Shashikanth	B.E (Civil) VI-Semester students visited Palamuru-Rangareddy Lift Irrigation Project as a part of industrial visit	17 th February, 2018
Prof. P. Raja Sekhar, Dr. K. Shashikanth & Ms. S. Prasanna	Educational Visit of V semester students to ICRISAT	
Prof. P. Raja Sekhar, Prof. K. L. Radhika, Dr. K. Shashikanth &	Two Day National Conference on Advanced Computing Applications in Civil Engineering (ACACE-2018)	20 th & 21 st April,

Mrs. S. Prasanna		2018
Prof. K. L. Radhika	17 th National Level Technical Symposium – NIRMAAN-2018	9 th & 10 th March, 2018
Dr. M. V. S. Sreedhar	Inauguration of Indian Geotechnical Society Student Chapter and first seminar on “Perspectives in Carrying Capacity of Shallow Foundations” By Prof. M. R. Madhav, Ex. Professor, IIT Kanpur & Professor Emeritus, IIT Hyderabad & JNTUH	29.11.2017
Dr. D. Rajashekar Reddy	One Day National Workshop on Pavement Design, Evaluation and Maintenance	23 rd June, 2018
Dr. R. Srinivasa Kumar	GNSS Technologies and its Applications	21 st and 22 nd October
	B.E (Civil) VI-Semester students participated in a Surveying Camp	23 rd & 24 th March, 2018
	One-day Workshop on Traffic Problems in & around Hyderabad and Remedial Measures	15 th June, 2018
Mrs. D. Annapurna, Mrs. P. Anuradha, Mr. R. Rajender & Mr. L. Ajay Kumar	One Day National Workshop on Repair and Rehabilitation of Structures (RRS-2018)	28 th February, 2018
Ms. P. Anuradha	Design of Tall Structures	21 st and 22 nd October, 2017
CEA	Two Day Workshop on Dam Designing and Road Designing	24 th & 25 th February, 2018

16. Workshops / Seminars / Trainings / Courses attended by Faculty:

Faculty Name	Title	Venue	Dates	Sponsored by
Prof. M. A. Prasad	International Conference on Innovations in Structural Engineering (IC-ISE-2017)	CED, UCE, OU	29-31, December 2017	
	Hydrology of Floods	NIH, GBPUA&T, Pantnagar	Jan 08–13, 2018 & Jan 14–19, 2018	U.C.E., O.U.
	Work shop on Data Mining & Soft Computing Techniques in Civil Engineering	BITS Pilani, Hyderabad Campus	13-2-2018 to 14-4-2018	Self Paid & Permitted by UCE
	Advanced Computing Applications in Civil Engineering	CED, UCE, OU	20-21, April 2018	
	5th National Conference on Water, Environment & Society	JNTUH, Hyderabad, India	4-6 June 2018	
Prof. K. L. Radhika	One day workshop on Repair and Rehabilitation of Structures	UCE, OU	28-02-2018	TEQIP
	One day Induction Program	UCE, OU	20-01-2018	TEQIP
	FDP on Repair and Rehabilitation of Structures	NITTTR, Kolkata	One week 08-01-18 to 12.01.18	NITTTR



	Second International Conference on Innovations in Structural Engineering (IC-ISE2017)	Dept. of Civil Engg., UCE(A),OU	Three days 29-12-17 to 31.12.17	TEQIP
	FDP on Structural Design with STAAD PRO	NITTTR, Chandigarh	One week 13-11-17 to 17.11.17	NITTTR
	FDP on Structural Health Monitoring	NITTTR, Chandigarh	One week 31-07-17 to 04.08.17	NITTTR
	Women for Excellence (WE2017)	UCE, OU Hyderabad	1-days on 08-03-2017	TEQIP
Dr. M. V. S. Sreedhar	Indian Geotechnical Conference-2017	IIT, Guwahati	13-16, Dec-2017	TEQIP-II
	GIAN Course on Advances in Geotechnical Earth Quake Engineering	IIT, Hyderabad	18.12.2017 to 29.12.2017	TEQIP-II
	International Conference on Innovations in Structural Engineering	CED, OU, Hyderabad	28-31, Dec-2017	
Dr. D. Rupesh Kumar	Two Day National Conference on Advanced Computing Applications in Civil Engineering (ACACE-2018)	CED, UCE (A), OU, Hyderabad	20-21 April 2018	
	Two Day Workshop on Emerging Trends in Concrete	MCET, Hyderabad	31 March- 01 April 2017	

	62nd Congress of The Indian Society of Theoretical and Applied Mechanics (ISTAM-20-17-An International Meet)	UCE (A), OU, Hyderabad	15 – 18 December, 2017	
	Two Day Workshop on Smart Building Materials and Technologies (SBMT-2017)	MJCET, Hyderabad	27-28 January 2017	
Dr. D. Rajashekar Reddy	ISTAM-2017	UCE, OU	15-18 Dec, 2017	ISTAM
	IC-ISC-2017	CED, UCE, OU	29-31 Dec, 2017	
	Induction Program Developments in pavement Engineering	IIT Kharagpur	12-14, Feb 2018	TEQIP-III
	ACACE-2018	CED, UCE, OU	20-21, Apr 2018	TEQIP-III
Mrs. S. Prasanna	National level Faculty Development Programme on Applications of Geomatics For Disaster Management	Centre fir Water Resources, Institute of Science and Technology, JNT University, Hyderabad	13 th – 25 th Nov, 2017	All India Council for Technical Education (AICTE)
Mrs. P. Anuradha & Mr. R. Rajender	85 th Orientation course	Human Resource Development Centre, OU	14.06.17 to 14.07.17	UGC

17. Achievements /Awards of Faculty

Faculty Name	Achievements / Awards
Prof. M. A. Prasad	Reviewed three International Journal Papers of ISH Journal of Hydraulic Engineering, Publishers: Thompson Reuters Taylor & Francis Group

18. Key Note Lectures and Session Chair by Faculty:

Faculty Name	Details of Lecture	Conference Name	Name of the Organization	Dates
Prof. M. Gopal Naik (Head)	Urban storm water management and watershed modeling	Three day residential training programme on "Rainwater Harvesting in Urban Areas"	Andhra Pradesh Human Resource Development Institute (APHRDI)	22 nd November , 2017
	Geospatial applications for watershed modeling and development	Two week Faculty Development programme (FDP)	Centre for Water resources , IST, JNTU Hyderabad	17 th November , 2017
Prof. M. Kumar	Various Challenges of Urban Transportation Systems	National Level technical Symposium TECHNIKA - @K18	Avanathi Institute of Engg and Technology, Vizaag	06-02-2018
	Various Road Safety Aspects in Indian Metropolitan Cities: A case study of Hyderabad	CODATU XVII International Conference	Urban Mobility India (UMI, New Delhi)	(Key Note: 9 - 11-2017)
	Sustainable Urban Transportation	12 th International Conference of Eastern Asia's	Eastern Asia's Society for Transportatio	(Session Chair) 20-09-2017



		Society for Transportation Studies: safe, green and integrated Transport	n Studies (EASTs)	
	Traffic & Transportation	2 nd International Conference on Recent Innovations in Engineering & Technology	Aurora's Scientific, Technological and Research Academy, Hyderabad	(Session Chair) 22-12-2017
Prof. M. A. Prasad	Mathematical Models in Hydrology and Water Resources Engineering	5 th National Conference On Water, Environment & Society	JNTUH, Hyderabad, India	4-6 June 2018
Dr. D. Rupesh Kumar	Analysis, Design and Detailing of an RCC Store Room Building	2-day National Conference on Recent Trends in Structural Engineering. key-note lecture.	Department of Civil Engineering, Methodist College of Engineering & Technology, Abids, Hyderabad	06-07 October, 2017

19. Student Achievements:

Student Name	Achievement
P. Sree Varsha, B.E. (III/IV)	Got merit certification in CADMania 2017, CADMania 2018 and Artiflex 2018
B. Ashok Samrat, N. Pradyumna, D. Srikanth, B.E. (III/IV)	Got 1 st prize in STAADPro workshop conducted by IIT-BHU.

20. Industry and Institute Interaction:

Our students of B.E 3/4 undertake Summer Internship of 6 weeks duration at different companies of Civil Engineering. In this connection the various companies offered Internship to our students during the recently concluded summer include the following

1. AARVEE Associates
2. NCC
3. SS Consultants
4. Murthy and Manyam Consultants
5. HGCL
6. G Group
7. Ultratech
8. Adarshila Consultants

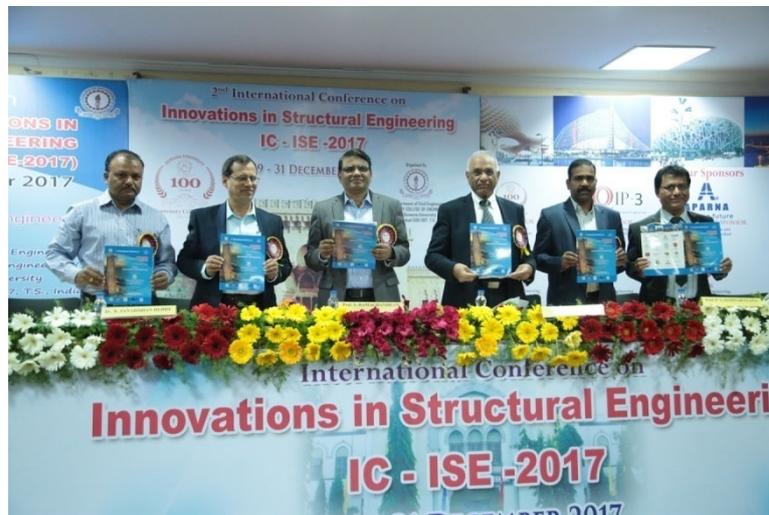
During the internship the students are exposed to various facets of practical works needed in Construction Companies such as Preparation of M-Books recordings, Surveying, preparation of estimates and analysis and design of building structures. Our faculty has wide exposure in various fields of Civil Engineering which include analysis and design of Industrial Structures, bridges and Residential buildings. This apart the faculty members are also expertise in Quality assessment of water, Irrigation Structures, Water Resources Related Consultancy Projects, transportation engineering related Consultancy projects. The department also undertakes consultancy works in Geotechnical specialization. Our faculty holds responsible positions in APPSC and UPSC. The faculty also inspects various institutions at the behest of Government of India and UGC.

21. NIRMAN 2018:

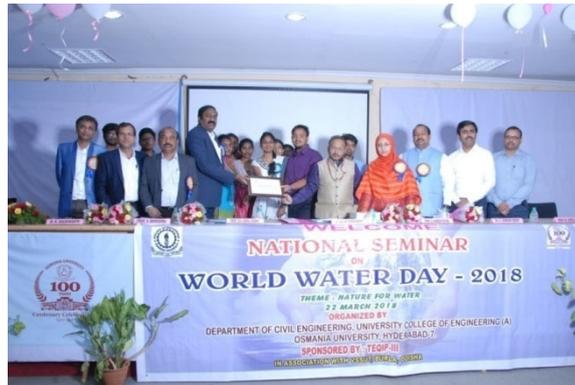
It is a National Technical Symposium organized exclusively by the Department students for their counterparts from various colleges in the country. Besides technical paper presentation by the student delegates, NIRMAAN organizes competitions like technical quiz, technical cross words, design and modeling of structures etc. to encourage and tap the talent potential of budding civil engineers. Attractive prizes are awarded to the winners of various competitions. So far the Department has organized NIRMAAN event 14 times since 2002 and each year this prestigious event receives over hundred delegates. The students of the Department are immensely benefited by the event in terms of development of organizational and leadership capabilities besides expanding their relationship with the student community from various colleges. The programme was organized under the guidance of **Prof. K. L. Radhika** (Faculty Member of the Department).



17th National Level Technical Symposium – NIRMAAN-2018



2nd International Conference on Innovations in Structural Engineering



One-Day National seminar on World Water Day: Nature for Water



Two Day National Conference on Advanced Computing Applications in Civil Engineering (ACACE-2018)



One Day National Workshop on Pavement Design, Evaluation and Maintenance

**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**



TEACHING FACULTY**Professors**

Dr.P.Premchand

Dr.S.Ramachandram
(Vice Chancellor,OU)Dr. S. Sameen
Fatima (Rtd)Dr.K.Shyamala
(Head)

Dr.P.V.Sudha

Associate Professors

Mr. M. Venkat Dass



Mr.S.Srinivasa Rao



Mr.S.Ram Babu

Mr.L.K.Suresh
Kumar**Assistant Professors (MCA)**

Dr.V.B.Narsimha



Dr.B.Sujatha



Dr.M.A.Hameed



Mrs.E.Pragnavi



Mrs.V.Sukanya

Assistant Professors (Contract)

Dr.K.Pranitha Kumari



Mr.K.Srinivas Reddy



Mr.I.Govardhan Rao



Mrs.A.Gayathri



Mrs.S.Radha Rani



Mr.M.Narendar



Mrs.C.Vani

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

1. Profile:

The decade of 80s had seen a phenomenal growth in the field of Computer Science & Engineering in India. In tune with the global development, Osmania University also initiated a post graduate programme in Computer Science & Engineering in the year 1981, when the U.G.C. identified the University for its Manpower Development Programme. This program was being conducted at the University Computer Centre.

The Department of Computer Science and Engineering came into being in the year 1988. Since then it is offering most sought after courses in the field of Computer Science and Engineering, both at undergraduate and graduate levels. The department has well qualified staff, Infrastructure and state-of- the- art equipment.

Apart from regular academic work, the department is actively involved in industrial training, consultancy, research and other professional activities. The department has close interaction with software development firms and R&D establishments.

2. Academic Programmes:

Programme	Full-Time/ Part-Time	Year of Starting	Duration	Present Intake
B.E (CSE)	Full-Time	1985	4 Years	60
M.Tech (CSE)	Full-Time	1981	2 Years	25
M.Tech (CSE)	Part-time	1991	3 Years	30
MCA	Full-time	1990	3 Years	60
M.Tech (Parallel and Distributed Systems)	Full-time	2007	2 years	15
M.Tech (Embedded Systems & Computing)	Full-Time	2013	2 years	15
Ph.D (CSE)	Full-time	1987		

3. Faculty Profile:

Faculty	Specialization
Head of the Department	
Prof. K.Shyamala, M.Tech, Ph.D.	Parallel Processing Applications, Embedded Systems, CAD algorithms, Technology Mapping algorithms for FPGAs
Professors	
Dr. P.Premchand, M.Tech,Ph.D.	Image Processing
Dr. S.Ramachandram,	Distributed Computing, Mobile Computing

M.Tech, Ph.D. Vice Chancellor, O.U.	
Dr. S.Sameen Fatima, MS, Ph.D. (Rtd. On Oct 2018)	Information Retrieval Systems, Machine Learning, Text Mining
Dr. K.Shyamala, M.Tech, Ph.D.	Parallel Processing Applications, Embedded Systems, CAD algorithms, Technology Mapping algorithms for FPGAs
Dr. P.V.Sudha, M.Tech	Cloud Computing, Grid Computing, Software Project Management
Associate Professors	
Mr.M.Venkat Dass, M.Tech.	System Software, Discrete Mathematics
Mr.S.Srinivas Rao, M.Tech.	Computer Graphics, Text Mining
Mr.S.Ram Babu, M.Tech	Computer Graphics, Discrete Mathematics, Design & Analysis of Algorithms
Mr. L.K.Suresh Kumar, M.E.	Computer Networks, Network Security
Assistant Professors	
Dr. V.B.Narasimha, M.Tech, Ph.D.	Computer Networks, Operation Research, Software Engineering.
Dr. B.Sujatha, M.Tech, Ph.D	Operating Systems, Data Structures, DBMS, Web Programming, Natural Language Process
Dr. M.A.Hameed, M.Tech, Ph.D	Data Mining, Soft Computation, Big Data, Machine Learning, Data Science
Mrs. E.Pragnavi, M.Tech	Operating Systems, Embedded Systems, Data Communication and Computer Networks, Network Security
Mrs.V.Sukanya, M.Tech	Data Structures, Mobile Computing
Assistant Professors (Contract)	
Mr.M.Narendar Reddy, M.Tech.	Computer Programming, Networks, Mobile Computing
Mr.K.Satyanarayana, M.Tech.	Distributed Systems, Cloud Computing, Operating Systems, Software Engg.
Mrs.S.Radha Rani, M.Tech.	Computer Networks, Network Security, Java, Unix
Mrs.K.Jaya , M.C.A.	Database Management Systems, Web Programming, MIS
Mrs.C.Vani, M.Com.	Accounts and Finance Management, Economic Analysis, Operation Research, E-Commerce
Dr. K.Pranitha Kumari, M.Tech.	Information Retrieval Systems, Data Mining
Mr.K.Srinivasa Reddy,	Grid Computing, Cloud Computing, Database

M.Tech.	Security, Data Structures
Mr.I.Govardhan Rao, M.Tech.	Cloud Computing, Computer Graphics, C, Distributed Computing.
Mr.M.Thirupathi, B.Tech.	Automata Applications, Compiler Design
Mrs.A.Gayathri, M.Tech.	Distributed Systems

4. Other Assignments to Faculty:

Prof. S. Sameen Fatima	Convener, PGECET-2018
Mr S Srinivas Rao	Chairperson, BOS in CSE (Autonomous), OU
Dr K Shyamala	Chairperson, BOS in IT, Director, University Computer Center, Osmania Member, TSCHE
Dr P V Sudha	Special Officer(Automation), UCE M.Tech Faculty Advisor Chairperson, BOS in CSE (University).
Dr V B Narasimha	Special Officer (Maintenance), Warden, Swarnamukhi Hostel for Engg College Students.
Dr B Sujatha	MCA, Faculty Advisor

5. Research Activities:

Research programme leading to Ph.D. degree was initiated a few years after the PG programme. Excellent interaction exists between the Department and R&D organizations and software development establishments in the twin cities. Keeping in view the areas of specialization of the faculty and the excellent environment for software development in and around Hyderabad, the following areas have been identified for research leading to M.Tech / Ph.D. degrees:

Artificial Intelligence, Computer Graphics, Computer Networks, Cloud Computing, Distributed Systems, Fault Tolerant Systems, Grid Computing, Image Processing, Information Retrieval Systems, Machine Learning, Mobile Computing, Network Security, Neural Networks, Pattern Recognition, Parallel Computing, Parallel Computer Architecture, Real Time Systems, Text Mining and Web Mining.

6. Infrastructure:

The computing resources that are available in the Department include 9 servers and 239 nodes connected on a high-speed LAN spread over 6 Labs in addition to this separate lab is available for Embedded Systems and Microprocessor. The following table lists the detailed information about the servers and their respective system software.

Equipment (Hardware & Software)

S.No	Configuration	Make / Model	Qty	Operating System / Application Software
SERVERS				
1	Intel Xeon E5-2420, @ 1.90 GHz Processor 16GB RAM, 2x300GB 6G SAS HDD SMART ARAY with 1GB	HP Proliant DL380 GEN8	1	Windows 2012 Data Centre / VM Ware
2 & 3	Intel Xeon E5-2420, @ 1.90 GHz Processor 16GB RAM, 3x300GB 6G SAS HDD SMART ARAY with 1GB	HP Proliant DL380 GEN8	2	Cent O.S 6.6 / Web Server
4	Intel Xeon E5-2640, @ 2.00 GHz x 2 Processor 128 GB RAM (7x16GB RAM), 4x600 GB 6G SAS HDD SMART ARAY with 1GB	HP Proliant DL380 GEN8	1	Windows 2012 / HP Matrix Cloud
5	Intel Xeon E5-2640, @ 2.00 GHz x 2 Processor 16GB RAM, 4x300GB 6G SAS HDD SMART ARAY with 1GB	HP Proliant DL380 GEN8	1	Cent O.S 6.9 / Oracle 12C
6	Intel Xeon E5-2640, @ 2.00 GHz Processor 16GB RAM, 4x300GB 6G SAS HDD SMART ARAY with 1GB	HP Proliant DL380 GEN8	1	Windows 2008 Server / IBM SPSS modular
7	Compaq Proliant ML-110, G7, PII Processor, 2 GB RAM, 80GB HDD	HP	2	Linux/Win 2012
8	Silicon Graphics Prism, Intel Itanium 2 CPU's 8 GB RAM, 240 GB HDD	Silicon Graphics	1	SGI Adv Linux with SGI ProPack
LABORATORIES				
9	Six Software Labs with 35 PCs in each lab &	HP, Dell, & Lenovo	194	Linux Mint/ CentOS/

S.No	Configuration	Make / Model	Qty	Operating System / Application Software
	Server Room			Windows
SOFTWARE / PACKAGES				
10	Linux , MSDN, Oracle 12c, Different Compilers (C, C++ and Java) and Rational Rose			
Hardware Kits				
11	Xilinx - SPARTRAN.		6	FPGA boards
12	Xilinx - VERTEX		5	FPGA boards.

The Department has established a wireless LAN (Wi-Fi) at a cost of Rs 12.00 Lakhs under X plan grant from UGC. The Department LAN is integrated into campus wide network of 1GB Ethernet. Further, the department also is connected to Internet through 6Mbps connectivity. Networking cable was upgraded with CAT-6 for better Network back bone. Every class room is provided with LCD Projectors and all labs are provided with UPS backup.

7. Project TEQIP:

The department has benefited from TEQIP project in terms of equipment, network activities, and faculty development programmes since 2005. Under this activity of TEQIP, the faculty of the department presented research papers in both national and international conferences. The faculty also attended training programmes and workshops conducted in thrust areas of Computer Science and Engineering. In addition, books, journals and furniture were also procured from the project TEQIP.

8. Library:

The Department has its own Library containing about 7028 volumes of books catering to the needs of the department students and staff. Students also have access to College and University Libraries in addition to the Department Library. Most of the leading journals such as IEEE and ACM are procured and are kept at the Information Dissemination Centre (IDC). Further IEEE journals are accessible online.

9. Department Achievement:

1. The Department has been accredited by National Board of Accreditation, New Delhi, for 5 years from 2013-2018.
2. Department is recognized as QIP Center.
3. Best UG project (2017) is awarded with a cash prize of Rs. 25,000/- by AMD
4. A 10-day Course on “Big Data Analytics for Humanitarian Cause” to be organized during 17th Nov- 05th Dec 2017.

Student Achievements:

1. National Level Technical Symposium (Infinity 2k18) was conducted during 8th- 9th March 2018.
2. Mr A Vijender attended "MedImg-4th Annual work shop on Medical Imaging Techniques, post processing and clinical applications" from 13th April to 15th April 2018 at IIT Delhi under QIP/TEQIP-III
3. Vikram Simha Reddy and AbhishekVelidi(Final-year students) DE-Shaw US based Multinational Company- Rs29.5 Lakhs PA.

10. Papers Published during 2017-2018**Prof.K.Shyamala**

1. Prof.K.Shyamala, Mrs.Humera Shaziya and Raniah Zaheer, “ Design and Implementation of ConvNet for Handwritten Digits Classification on Graphical Processing Unit” International Conference on Communication and Signal Processing, April 3-5, 2018, INDIA
2. Prof.K.Shyamala, Mrs.Humera Shaziya and Raniah Zaheer, “ Automatic Lung Segmentation on Thoracic CT Scans Using U-Net Convolution Network” International Conference on Communication and Signal Processing, April 3-5, 2018, INDIA

Prof.S.Ramachandram

3. Harsoor, Bharati and Ramachandram, S “Single Phase Reliable Timeout Based Commit Protocol”, GSTF Journal on Computing (JOC), volume={1}, number={4}, 2018.
4. Mallaiah, Kurra and Pande, Prateek and Ramachandram, S “A novel proximity based searchable encryption scheme using referential dissimilarity”, International Conference on Inventive Systems and Control (ICISC), 2017.
5. Srivani, P., Ramachandram, S. and Sridevi, R., “A survey on client side and server side approaches to secure web applications”, International

- conference of Electronics, Communication and Aerospace Technology (ICECA), 2017.
6. S Pelluri, R Sirandas - Energy Saving in Cloud by Using Enhanced Instance Based Learning (EIBL) for Resource Prediction - Sustainable Cloud and Energy Services, 2018
 7. P Srivani, S Ramachandram, R Sridevi- Experimintal Results On Multi-Key Searchable Encryption Technique With Different Elliptic Curves and APP Designing.- Journal of Theoretical & Applied Information Technology, 2017
 8. GM Kumar, S Ramachandram, J Gyani - Parameterized Reliable Trust Model in Grid Computing using Regression - International Journal of Advanced Research in Computer Science, 2017
 9. Srinivasa Reddy, K. and Ramachandram, S. (in press) "Cryptographic key management scheme for supporting multi-user SQL queries over encrypted databases", International Journal of Computer Aided Engineering and Technology, 2018.

Prof S. Sameen Fatima

10. Dr. S Padmaja, Prof. S Sameen Fatima, Mr. Sasidhar Bandu, "Textual Analysis of Big Data with Object Knowledge Model: A Knowledge Representation framework", Visleshana, Vol. 2 No. 2, January - March 2018.
11. Dr. Padmaja S, Prof. Sameen Fatima S, Sasidhar B, "Associating News Articles to Identify the Scope of Negation and Sentiments of Public Opinion", EECCMC, 28-29 Jan 2018.
12. Dr. Sridevi Tumula, Prof. S. Sameen Fatima, "Probabilistic Graphical Models for Medical Image Mining Challenges of New Generation", Knowledge Computing and its Applications, ISBN: 978-981-10-8258-0, 2018.
13. Firdous Hussaini, Padmaja S and S. Sameen Fatima, "Score-based Sentiment Analysis of Book Reviews in Hindi Language", 3-4 Nov, regICON 2017.
14. Smita, Prof. S Sameen Fatima, "Topical and Trust Based Page Ranking Using Automatic Seed Selection", IEEE 7th International Advanced Computing Conference (IACC 2017), 5-7, Jan 2017.
15. D. Fatima, Prof. Sameen Fatima, Dr. A. V. Krishna Prasad "Integrating weka into Web Application: Predicting Student's Performance", International Journal of Engineering Research and Applications, vol 2 Issue 12, December 2017.
16. R Krishnan, S Sameen Fatima, authored a chapter titled "Future of Artificial Intelligence" in the Book titled "Insights on Global Challenges and Opportunities for the Century Ahead", B S Publications, 2017.

17. Dr. S Padmaja, Prof. S Sameen Fatima, B Sasidhar, Vaibhav S L, “Extracting greater semantics from texts with Object Knowledge Model”, IEEE International Conference on Innovative Technologies in Engineering 2018, 11-13 April 2018

Dr P V Sudha

18. Dr P V Sudha authored a chapter titled “Energy Saving in Cloud by Using Enhanced Instance Based Learning (EIBL) for Resource Prediction” in the book titled " Sustainable Cloud and Energy Services: Principles and Practice " Springer International Publishers, 2016.
19. Dr. P V Sudha “Resource Requirements in Cloud environments” International Conference on Emerging Trends in Engineering, Science & technologies, ICETEST, March 2017.
20. Dr. P V Sudha, “Energy Optimization at Cloud Data Centre Using SDN” IJETT- Special Issue, Vol.2, April 2017. Pg.278 – pg. 283 I.F-2.88

V. Sukanya

21. E. Vishnu Priya Reddy, V.Sukanya, Abhinava Vinay Kumar M, Anil Kumar M “A Study on effective approach of Science Teaching by IOT Smart Classroom” International Journal of Research Culture Society Volume 2, Issue 3, March-2018.
22. E. Vishnu Priya Reddy, V.Sukanya, Abhinava Vinay Kumar M, Anil Kumar M “A Study on Expandable latest software feature in bundling of latest hardware with earlier software” International Journal of Scientific Research in Science and Technology Volume 4, Issue 5, March-2018.

L. K. Suresh Kumar

23. Mr.L.K.Suresh Kumar has presented a IFERP paper entitled “A Survey on Algorithms Solving ECDLP (Elliptic Curve Discrete Log Problem)” at International Conference on Internet of Things for Future Smart Cities (ICIOTSC-2017) organized by GIST&IERP on 21st – 22nd July, 2017, Nellore
24. Mr.L.K.Suresh Kumar has presented a IEEE paper entitled “Comparative Study of LEACH and EECDA Protocols” at International Conference on Power, Control, Signals & Instrumentation Engineering (ICPCSI) - 2017 organized by Saveetha Engineering College, Thandalam, Chennai, Tamil Nadu, India on 21st – 22nd September, 2017
25. Mr.L.K.Suresh Kumar has presented a IEEE paper entitled “Localized Encryption and Authentication Protocol (LEAP) to Prevent Injection of

Malicious Nodes in a Wireless Sensor Network (WSN)” at Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM) IEEE, New Delhi 12th INDIACom; 2018 5th International Conference on Computing for Sustainable Global Development on 14 – 16th March, 2018

26. Mr.L.K.Suresh Kumar has presented a IEEE paper entitled “Credit Card Fraud Prevention for Financial Institutions : Use of Anomaly Detection Method” at Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM) IEEE, New Delhi 12th INDIACom; 2018 5th International Conference on Computing for Sustainable Global Development on 14 – 16th March, 2018
27. Mr.L.K.Suresh Kumar has presented a paper entitled “Comparative Study of Cluster Based Data Aggregation Protocols” at International Conference on Trends in Engineering, Management, Pharmacy & Sciences (ICTEMPS-2018) on 21st April, 2018, GCET, Cheeryala(V), Keesara (M), Hyderabad.

11. Conferences/Workshops Organized:

1. A Ten day GIAN course on “BIG Data Analysis for Humanitarians Causes” during 27th November to 5th December 2017
2. A Two-day Workshop on “Mathematics for Researchers in Cryptography”, 17th-19th July 2017.
3. A Two-day National Seminar on “Internet of Things and Data Analytics”, 23rd _ 24th March 2018.
4. A 3-day International Conference ICITE-2018 was held at UCE, OU during 11th -13th Apr 2018.

12. Conferences/Workshops/Training Programmes attended:

Faculty

1. Mr.L.K.Suresh Kumar has participated in One Day Induction Program on 20th January, 2018 at University College of Engineering (A), Osmania University, Hyderabad – 500 007, Telangana, India Sponsored by TEQIP-III (Technical Education Quality Improvement Programme – Phase-III)
2. Mr.L.K.Suresh Kumar has attended TechFiesta 2018 on 14th July 2018 at Capgemini Technology Services India Limited, Gachibowli, Hyderabad .
3. Dr B.Sujatha, attended Faculty Development Programme on “Software Engineering and Testing Methodologies” during 23rd Jan-2nd Feb 2017.

4. V.Sukanya attended GIAN course on “Big Data Analytics for Humanitarian Causes “during 20th -27th Nov 2017 at Department of CSE, UCE-OU.
5. V.Sukanya attended GIAN course on “Machine Learning Applications to Internet of Things” during 16th -22nd Dec 2017 at IIT-BHU, Varanasi.
6. V.Sukanya, attended One week STTP on “Simulation of Security Services in Cloud and IOT using Nmap and Wireshark” organised by Sreenidhi Engineering College during 18th -23 June 2018.
7. V.Sukanya attended ICITE-2018 conference held at University College of Engineering, Osmania University during 11th to 13th April 2018.

Research Scholars:

8. Sandhya attended GIAN Course on "Opportunities,Challenges and Research Trends In Wireless Sensor Networks" during 11th- 15th December,2017at Department of ECE,UCE-OU.
9. Sandhya attended GIAN course on “Big Data Analytics for Humanitarian Causes “during 20th -27th Nov 2017 at Department of CSE, UCE-OU.
10. Sandhya attended ICITE-2018 conference held at University college of Engineering, Osmania University during 11th to 13th April 2018.
11. Sandhya presented a paper ,” A Survey on Secure, Power and Energy Efficient Routing Protocols for AD-HOC Networks” in EECCMC-2018 Conference organized by Priyadarshini Engineering College, Chettiyappanur, Vaniyambadi,Vellore District, Tamil Nadu, India.
12. S. Ganga attended GIAN course on “Big Data Analytics for Humanitarian Causes “during 20th -27th Nov 2017 at Department of CSE, UCE-OU.
13. S. Ganga attended ICITE-2018 conference held at University College of Engineering, Osmania University during 11th to 13th April 2018.
14. Sai Kumar attended a Two day workshop on Cyber Security held on 24th and 25th February, 2018 at College of engineering, OU.
15. Sai Kumar attended Visvesvaraya PhD Scheme for Electronics & IT/ITES third workshop for presentation of Research work held at AU College of Engineering, Visakhapatnam during 16-17 Nov, 2017.
16. Sai Kumar attended Research Workshop at IIIT Hyd on 26-27th August 2017.
17. Sai Kumar attended A Two day national workshop on “Privacy preserving & ICT: Research Ideas” organized by Dept. of CSE,CBIT on 2nd and 3rd March 2017.
18. Sai Kumar attended a sixth International Conference on Security, Privacy and Applied Cryptographic Engineering 14th to 18th December

2016 at C.R.Rao Advanced Institute of Mathematics, Statistics and Computer Science, UOH, Hyderabad.

19. Rajeshwari attended One week workshop on “Think Parallel” organized by C-DAC Bangalore during 17th -21st July 2017.
20. Rajeshwari attended ICITE-2018 conference held at University college of Engineering, Osmania University during 11th to 13th April 2018.
21. Rajeshwari presented a paper, “Design and Implementation of GPU based Matrix chain multiplication using C++ AMP” in ICECCT Conference organized by SVS Engineering College, Coimbatore, Tamil Nadu, India, 2017.

13. R&D Projects/Consultancies:

1. Prof S. Ramachandram, Principal Investigator for Project titled “Building an adaptive resource provisioning framework for applications with multiple constraints in Cloud environments”, funded by UGC of Rs. 6.04 lakhs, (2013-2016).
2. Mr L. K. Suresh Kumar, Principal Investigator for project titled “Security in mobile ad-hoc networks”, funded by UGC of Rs. 1 lakh (2014-2017).
3. Dr K.Shyamala, Principal Investigator for project titled “ Parallel implementation of minimum spanning tree for large graphs on GPU” Funded by TEQIP-II Of Rs. 1.0 lakh (2015-2016).
4. Dr. P V Sudha, Principal Investigator for project titled ” Implementing Energy Management using Software Defined Networks for Cloud environment” Funded by TEQIP-II of Rs. 1.0 lakh, (2015-2016).
5. Dr. A. Hameed, Principal Investigator for project titled ” Creating a social network dataset excluding bots contribution” funded by TEQIP II of Rs 1.0 lakh, (2015-2016).
6. Cloud Computing Research Lab was setup in collaboration with CipherCloud Pvt. Ltd. at a cost of Rs.10 lakh.
7. Dr B. Sujatha, Principal Investigator for the project titled “FOL based Intelligent Natural Language Interface to Knowledge Base”, funded by UGC of Rs 1 lakh

14. Future Plans:

1. Establishment of High Performance Computing Lab and Data Engineering Lab.
2. Establishment of Specialized Labs for Mobile Computing and Heterogeneous computing Lab.
3. To start an M.Tech programme in Data Engineering.



Software Lab-2



Software Laboratory-1



Dept. Library



Rain Water Harvesting Pits



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



TEACHING FACULTY

Professors		Associate Professors	
			
Dr.P.Chandra Sekhar (Head)	Dr. B. Rajendra Naik	Dr. R. Hemalatha	Dr.L.Niramala Devi
			
Dr. D. Ramakrishna	Dr.P.Naveen Kumar	Mrs.P.Koti Lakshmi	
Assistant Professors			
			
Mrs. P. Padma	Mr.M. Shyam Sunder	Mr. Md.Misbahuddin	Dr. A. Bharathi
			
Dr. R. Sandhya	Mrs. P. Srividya		
Assistant Professors (Contract)			
			
Mr. K. Prem Kumar	Mr. R. Narendar Reddy	Mr. B. Ramesh	Mr.G.Kishore Kumar

**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

Phone No: 27098213

E –mail: ecedepartmentou@yahoo.com

1. About the Department

The Department of Electronics & Communication Engineering (ECE) was established in the year 1959 with only two faculty members. It bears the indelible stamp of its founder Head of the Department, late Prof.K.Krishnan Nair. He exhorted ECE Department to become a byname for Excellence, Creativity and Enterprise. In his memory, The Commemoration Committee organizes an annual lecture by a distinguished professional. The staff members of this department are specialized in various fields like Digital Systems, Control Systems, Signal Processing, Microwaves, Microprocessor Applications, Communication Engineering, Embedded Systems and VLSI Design etc., and most of them having Doctorates. The broad spectrum of subjects in the area of ECE is fully represented. The department is presently focusing on following research topics: VLSI and Embedded System, Signal Processing, Microwave Engineering and wireless Communications.

2. Academic Programmes

Under – Graduate Courses:

Four Year B.E. Degree in ECE with an annual intake of 50 students.

Post – Graduate Courses (Regular):

Four – Semester M.E. Degree Course in ECE with Four Specializations Digital Systems, Microwave & Radar Engineering, Systems and Signal Processing, and Embedded Systems and VLSI Design, with a total intake of 70 students.

Post – Graduate Courses (Part-Time):

Six-Semester Part-Time M.E. Degree Course in ECE with Digital Systems, System and Signal Processing and Microwave & Radar Engineering specializations, with intake of 15 students in each specialization.

Research Programmes:

The Ph.D. program started in the year 1972. More than 100 candidates from recognized institutions are availing the programme and so far **63** students have been awarded with Ph.D. degree. Four PhD scholars are working under QIP-AICTE program.

3. FACULTY:

S.No.	Name of the Faculty	Field of Interest
Professors		
1.	Dr. P. Chandrasekhar Ph.D HEAD	VLSI and Embedded Systems. Parallel Processing and Numerical Techniques.
2	Dr. B. Rajendra Naik Ph.D	VLSI design, Electronics Devices, Image Processing
Associate Professors		
3	Dr. R. Hemalatha Ph.D Chairperson , BOS (Global)	Embedded Systems, Wireless Communication,
4	Dr L. Nirmla Devi Ph.D	Signal Processing & wireless sensor Networks
5	Dr. D. Ramakrishna Ph.D Chairman , BOS (Autonomous)	RF & Microwave Communication Systems
6	Dr. P. Naveen Kumar Ph.D	Global Positioning System and Satellite Communication
7	Mrs. P. Kotilakshmi M.E.	VLSI design, Digital systems & Communication systems.
Assistant Professor		
8	Mrs.P. Padma M.Tech	VLSI Design, Testability, Communication System and Mixed Signal design
9	Mr. M. Shyam Sunder M.Tech	Signal Processing, Microwave
10	Mr. Md. Misbahuddin M.E	VLSI Design, Analog Electronics, Microprocessors
11	Dr. A. Bharathi M.E	Microwave Antenna RF and Microwave Engineering EM wave theory
12	Dr. R. Sandhya M.E	Wireless Communications, Optical Communication
13	Mrs. P. Srividya M.E	Signal Processing, Wireless Communications
Assistant Professors (Contract)		
14	Mr. B. Ramesh M.Tech	VLSI design
15	Mr. K. Prem Kumar	Wireless Communication

	B.E	
16	Mr.R. Narender Reddy M.E.	Microwave Antennas
17	Mr. G. Kishore kumar M.E.	Systems and Signal Processing

4. Research Activities:

The Department has an excellent record of research activities in the areas of Microwave Engineering, Wireless and Mobile Communications, Low Power VLSI, Embedded Systems, Computer Networks, Computer Vision and advanced Signal Processing.

5. Research/Consultancy Projects:

SSS Project

The Self - Sustainability Support Scheme (SSS) programme was supported by the Ministry of Information Technology, Government of India. The main object of this Project was to make the department self-sustainable through earning by way of conducting Continuing Engineering Education Programme courses and consultancy works etc.

Network Project

The Department has also been selected for implementing the Electronics Education Network Project (Network Project) along with four other Institutions in the Southern India by Swiss Agency for Development and Cooperation (SDC) of various academic activities.

TEQIP – I

The Department was identified in TEQIP – I and established VLSI & Embedded Systems Laboratory with Micro-wind, VxWorks, Metrowerks, VHDL/VERILOG, Logic Analyzer, 8051 Development boards. Many faculty members attended International conferences and presented research papers. The Department organized short term courses on Embedded Systems, DSP and Communications etc.

TEQIP Phase - II

Under Technical Education Quality Improvement Program (TEQIP II), faculty members have been attended Intensive Training Programmes and International Conferences and organizing short term courses.

The Department is procured state of art lab equipment and software tools such as Cadence, Tanner, Matlab, Simulink, HFSS, Spectrum analyzer, Lab View, ORCAD, ARM DSP boards, Seven Digital Storage Oscilloscopes, Server for VLSI Lab, 4 LED Projectors, Printer with Scanning facility, 17 Desktop Computers and Computer tables and Chairs.

Research Consultancy Project

Department has successfully completed CARS project with DRDO entitled “Real time Algorithms in Matlab and Implementation Scheme for Analysis of LPI Radar Signals,” under the supervision of Prof. K. Subba Rao and Dr. P. Laxminarayana, NERTU, OU., with a funding of Rs. 9 Lakhs.

Centre for Excellence Microwave Engineering (CEME)

In association with M/s. Astra Microwave products Limited, Hyderabad “Centre for Excellence in Microwave Engineering” has been established in the Department. The Objectives of the Centre are to encourage UG and PG students/ Research Scholars in the fields of RF Circuit Design, Microwave Circuit design, Simulations of Numerical methods in Electro-magnetics, Antenna Analysis and Design and Microwave Communication System Design.

MEMS Design Facility

National programme on Micro and smart systems (NPMASS) of IISc Bangalore identified CEME/Department to establish a National MEMS Design Centre. The main objectives of this activity are to make various MEMS Design tools available to research scholars and man power development programme to be carried out within and outside of our Institute. Under this program, the Department received three different MEMS Design software.

Multimedia Project

The Department received two research fellowships and DSP Processors boards worth US\$ 11000 from Analog Devices and successfully completed this project.

DST – FIST

The Department jointly with NERTU, OU was sanctioned DST - FIST project. Under DST - FIST project the department procured the following equipments.

S.No	Name of the Equipment
1	Laser Range Finder Make: Survey Labs, Model: IKE 305
2	CDMA DSSS Trainer Kit with PC based Logic Analyzer Make: Scientech, Model: 2131A
3	Satellite Communication Trainer Kit

	Make: Scientech, Model: ST2271
4	GPS Trainer kit Make: Kencraft, Model: KE – GPS -01
5	GPS/GSM Integration Kit Make: Keil. Model: MCB – 1750
6	Data Acquisition System Make: NI, Model: PXIe – 1062Q
7	Rover, Base Station, VHF –UHF System Make: SOKKIA Model: GRXI

CV Raman Heterogeneous High Performance Parallel Computing Lab Department received Rs. 5, 00,000/- as a grant and 18 Desktops from AMD India Private Limited and established C.V. Raman Heterogeneous Computing lab in August 2012. The objectives of this project are to carry out collaborative research and conduct seminars/workshops in parallel processing. As a part of the project, the Department introduced an elective subject, “Open CL Programming for Advanced Graphic Processors”.

Dr.P.NaveenKumar, established a new “Advanced GNSS Research Laboratory” under MoU between University College of Engineering (UCE), OU and Space Applications Centre (SAC), Indian Space Research Organization (ISRO), Ahmedabad, in the Department of Electronics and Communication Engineering, UCE,OU. This laboratory was inaugurated on 27th April, 2017, by Chairman, ISRO, Shri.A.S.KiranKumar. This laboratory consists of 1 Single frequency GPS/GAGAN JUNO TRIMBLE receiver, 1 Canadian make NOVATEL GPStation-6 GNSS/SBAS TEC & Scintillation Monitor, 4 IRNSS/GAGAN/GPS receiver Station (Data Patterns and Accord Software & Systems Pvt. Ltd make). Dr.NaveenKumar is also instrumental in signing of MoU between UCE, OU and SAC, ISRO on 15th September, 2017, at SAC, ISRO,

6. Laboratories of the Department:

The Department has several advanced and well-equipped laboratories catering not only to the needs of B.E., M.E., & Ph. D. students of our department but also to other departments. The Department has (1) Basic Electronics Lab (2) Advanced Circuits Lab (3) Pulse & Digital Circuits Lab (4) Communication Engineering Lab (5) Multi-media Lab (6) Microwave Engineering Lab (7) Printed Circuits Lab (8) Computer Lab for P.G. (9) IMPACT Lab (10) VHDL Lab (11) Image processing Lab (12) Optical Fiber Lab (13) VLSI Lab and (14) Microwave Research Lab (15) JC BOSE LAB (16) CV Raman Heterogeneous Computing lab

The Department has a Seminar Hall, CEEP CELL and an auditorium equipped with requisite audio visual facilities.

7. Infrastructure

The Department procured the following equipments under various projects and schemes.

Software

- Agilent Advanced Design Systems (ADS)
- AWR Microwave Office and Visual System simulated
- Zealand IE3D
- SONNET High Frequency EM Simulator
- COMSOL Multi Physics
- Intellisuite
- Coventorware MEMS+
- VHDL/Verilog HDL, VxWorks
- VLSI – Microwind, Tanner CAD Tools.
- Xilinx ISE foundation V13.1.

Hardware:

- Agilent 8720ET Vector Network Analyzer (50 MHz-20 GHz), S-Parameter Test Set
- HP 85047A Scalar Network Analyzer (300 KHz-6GHz), S-Parameter Test Set
- Agilent E4418B EPM Series Power Meter, HP 437B Power Meters – 2
- Advanced Micro-strip Trainer Kit.
- Anritsu MS2720T Spectrum analyzer (9 KHZ – 20GHZ)
- GPS/LRE Integration Kit.
- CDMA/DSSS Training Kit with PC based Logic Analyzer.
- Satellite Communication Training Kit.
- Embedded Systems – Intel/Motorola Processors, VxWorks, Keil IDE.
- Xilinx FPGA/CPLD, Logic Analyzer.
- VDSPU – Blackfin and SHARC Processors.
- Power Meters.
- Xilinx ALTY5 – SPARTRAN – 6 FPGA boards.
- Xilinx VERTEX – 5 FPGA boards.
- 8086 Microprocessor trainer kit with interfaces
- Cypress PSOC – 8051 and ARM Trainer kits.

- HP Proliant ML 110 – G7 Intel Xeon E3- 1200 Server
- 10 KVA UPS battery backup facility
- Universal IC tester
- LCR meter, Digital Storage Oscilloscope

8. LIBRARY FACILITIES

The Department Seminar Library has the following:

1	Text Books	6547
2	Ph.D. Thesis	65
3	ME Project reports	1304
4	B.E Project reports	1056
5	IAP Reports	295
6	Lecture Notes	184
7	General Seminar Reports	403
8	CDs	184
8	Old Bound Journals	209

9. Achievements:

Recognitions

UG program of the Department has been accredited by National Board Accreditation (NBA) in 2013. The Department is also ISO 9001 certified. Andhra Pradesh State Council for Higher Education has graded this Department with 7.9. Three Teachers of the Department received the state awards and one faculty member received “Vishveshwarayya” Award from Institution of Engineers and an IETE award in the year 2009. The Department has also contributed learning modules in the SONET program in the areas of Communication Engineering, DSP and Network Theory.

10. Publication:

Conference

1. “ S – Parameter modeling and analysis of RGLC Interconnect for Signal Integrity” presented by P. Chandra sekhar and Md. Misbahuddin at IEEE Intl Conference on Recent Trend in Electrical, Electronics and Computing Technologies during 30 -31 July 2017 at Warangal.
2. “ Image Compression Using Adaptive Scanned Wavelet Difference Reduction Technique (ASWDRT) presented by Rajendra Naik at IEEE

- International Conference on Intelligent Computing and Control systems ICICCS 2017 during 15 -16 June at Madurai
3. “Elastic Investigation of LEACH, Hetro-LEACH, SEP and NHSEP Routing protocols” by Rajendra Naik at International conference at Zurich, Switzerland
 4. “High Throughput and Energy – Efficient SCL Decoder Design for Polar Codes” presented by B. Rajendra naik at Joint telematics Group/IEEE Information theory Society during 28 – 31 May, at IIT Bombay.
 5. “Design and implementation of LUT Based FPGAs” presented by Rajendra Naik at International multidisciplinary conference on Education for Future: Issues and Challenges during 8 -9 July 2017 Hyderabad.
 6. “Estimation of Far End Crosstalk and Near End Crosstalk Noise with Mutally Coupled RLC Interconnect Models” presented by B. Rajendra Naik IEEE International conference on Communication and Signal Processing April 3- 5, 2018 India.
 7. “An approach Based on Compressive sensing and frWT forsecure Image Transmission” presented by International conference on Emerging trends in Communication, Computing and Electronics held at University of Allahabad, India during 13 -15 2018
 8. “ Path Loss Model Optimization Using Stochastic hybrid Genetic Algorithm presented by R. Hemalatha in the World Summit on Advances in Science, Engineering and Technology, Cambridge Summit 2018 during 4th Januray 2018 to 6th January 2018.
 9. “A clustering with Energy Heterogeneity in Wireless sensor Networks” Presented L. Nirmala Devi Proceedings of 105th Indian Science Congress 2018 at Manipur University, Imphal during March 16-20 2018.
 10. “A Review on Clustering Protocols with Energy heterogeneity in Wireless Sensor Networks” Proceedings of IEEE International Conference on Communication, Computing and Internet of things at Chennai during February 15th -17th 2018.
 11. “Optimization of Distributed energy efficient clustering variants for enhancing lifetime in Wireless sensor Networks” presented by L. Nirmala Devi Proceedings of Springer International Conference on Computer networks and Inventive Communication Technologies (ICCNCT)at Coimbatore during 26th – 27th, 2018.

12. “Hybrid TR Module for Phased Array Antenna Application” presented by R. D. Ramakrishna Asian Electromagnetics Conference 2017 (ASIAEM2017) 23-27 July 2017, Bangalore, India.
13. “Far Field Boundary Characterization of Half Impulse radiating Antenna (HIRA)”, presented by Dr. D. Ramakrishna Asian Electromagnetics Conference 2017 (ASIAEM2017) 23 – 27 July 2017 Bangalore, India.
14. “Compact broadband asymmetric slicircularly polarized microstrip patch antenna for GPS + GLONASS applications” presented by Dr. D. Ramakrishna at IEEE iALM International conference on Antenna Innovations and Modern Technologies for Ground, Aircraft during 24 - 26 November, Bangalore.
15. “ Reconfigurable Antenna with Frequency Switching capability FoC BAND Application presented by D. Ramakrishna at IEEE iAIM during 24 – 26 November, at Bangalore
16. “Gain Enhancement of Telemetry Antenna Using Meta material” presented by D. Ramakrishna at 2017 IEEE iALM during 24 -26 November at Bangalore.
17. “Design of UWB travelling wave antenna for High power Transient applications” presented by D. Ramakrishna at 2017 IEEE iAIM during 24 -26 November at Bangalore.
18. “ Design of Microstrip Patch Reflect array antenna at W-band” presented by D. Ramakrishna at 6th biennial IEEE Applied Electromagnetics Conference (AEMC 2017) during 19-22 Decembar at Aurngabad
19. “Indian Regional Navigation Satellite System” presented by P. Naveen Kumar at International Conference on Innovations in Electronics and Communication Engineering during 21 -22 July at IETE Hyderabad.
20. “Estimation of TEC using IRNSS Data over Indian Sub – Continent” presented by P. Naveen Kumar at 39th NAGI – Indian Geographical Congress – 2017 during 5 -7 December at Dept. of Geography, OU
21. “Tracking of IRNSS Satellites over Hyderabad region ” presented by P. Naveen Kumar at 39th NAGI – Indian Geographical Congress – 2017 during 5 -7 December at Dept. of Geography,OU
22. “Analysis of Experimental reception of Dual frequency IRNSS Signal” presented by P. Naveen Kumar at 39th NAGI – Indian Geographical Congress – 2017 during 5 -7 December at Dept. of Geography,OU

23. “Indian Regional Satellite navigational System” presented by P. Naveen Kumar at 39th NAGI – Indian Geographical Congress – 2017 during 5 -7 December at Dept. of Geography,OU
24. “Performance analysis of 1 – bit full adder using different design techniques” presented by P. Kotilakshmi at IEEE International Recent Trends in Electronics and Communication Technology during 19 -20 May, 2017
25. “Air Suspended U-slot Polarization Reconfigurable Microstrip Antenna for Wireless Communication,” by A. Bharathi International Conference on Antenna Innovations and Modern Technologies (iAIM-2017), during 24-26 November 2017, Bangalore, India.

Journals

Dr. R. Hemalatha

1. Optimized Design of Full Subtractor using 45nm technology at International Journal of Science and Engineering Vol. 5 (5) : 71-75.ISSN:2322-0015, UGC Approved journal No. 63628.
2. Design and Simulation of Transmitter and Receiver Sections for C – band FMCW Radar at International journal of Engineering Development and Research
3. Development of an Optimized Ray Tracing path loss model in the Indoor Environment at Springer Wireless Personal Communication.
4. Energy efficient scheduling algorithm for multi – core heterogeneous embedded architecture Springer SCIE journal design automation for embedded systems. DOI 10.1007/s10617-018-9202-7
5. Characterization of SPEC benchmarks Scopus journal international journal of pure and applied mathematics vol.118, No. 24 (march 2018)

Dr. L. Nirmala Devi

1. “A Novel Approach for Efficient LDPC Coding” at International Journal of Advance research, Ideas and Innovations in Technology (IJARIIT),Vol.3, Issue 3, May 2017, ISSN:2454-132X
2. “Blind Spectrum Sensing Techniques in cognitive Radio networks” International journal of Applied Sciences, Engineering and Management, Vol.06, No.4, July 2017, ISSN 2320-3439.

Dr. D. Ramakrishna

1. Hybrid TR Module for Phased Array Antenna Application at Asian Electromagnetics Symposium 2016 (ASIAEM2017) during 23 – 27 July at Bangalore
2. Far Field Boundary characterization of Half Impulse Radiating Antenna (HIRA) at Asian Electromagnetics symposium 2017 (ASIAEM2017) 23 – 27 July at Bangalore.
3. Design, development, and performance evaluation of switched wave oscillator (SWO) for high power electromagnetic applications, Journal of Electromagnetic waves and Applications, Volume 32, Issue 11, 1427 -1439 2018
4. Experimental Studies and Analysis on IEMI Source, Field Propagation and IEMI Coupling to power Utility System, Progress in Electromagnetics Research C, Vol. 83,229 -224, 2018.

Dr. P. Naveen Kumar

1. Comparative Analysis of Accuracy using Stand – alone GPS and GAGAN systems for Indian Region at international journal of Electronics, Electrical and Computational System (IJEECS) Volume 6, Issue 7 July 2017.
2. GNSS Ionospheric Scintillation Monitoring Using GPS Station -6 at Low Latitude Ground Station at International journal of Electronics, Electrical and Computational System (IJEE Analysis of Selected Parameters of Single Frequency Receiver in GPS and GAGAN modes, International Journal of Advanced Research Trends in Engineering and Technology, Volume 4, Issue 12, Dec 2018, Page No.11-14.
3. Comparative analysis of Accuracy measured using GPS Indian SBAS for Single Frequency Applications. International Journal of Emerging Technology and Advanced Engineering, Volume 7, Issue 11, Nov 2017, Page No:409-412.

Dr. A. Bharathi

1. A quad – polarization and frequency reconfigurable square ring slot loaded microstrip patch antenna for WLAN applications at International journal of Electronics and Communication (AEU), ELSEVIER, vol 78, August 2017.

Dr. R. Sandhya

1. Adaptive Routing mechanism for Real time wireless sensor Networks based on two – hop information chapter 7 in Advances in Intelligent systems & computing (ASIC) Vol 479, springer Book series (c) 2017.

Workshop/ Seminar attended

1. Dr. B. Rajendra Naik attended a workshop for presentation of research work of Visvesvaraya PhD scheme during 16 -18 November, at Andhra University, Visakhapatnam .
2. Dr. B. Rajendra Naik, Dr. P. Naveen Kumar, Mrs. R. Sandhya and Mrs. A. Bharathi attended Gain Course “ Opportunities challenges and Research trends in WSNs” at ECE, UCE, OU during 11 – 15 December 2017.
3. Dr. L. Nirmala Devi attended a workshop on “nanomaterials Based Low Cost Sensor Design for applications in IoT (Internet of Things)” at IIT Hyderabad during 02-04-2018 to 06-04-2018.
4. Dr. L. Nirmala attended a short term course on “Wireless Networks” at NITTTR Chandigarh during 22 – 26 May 2017.
5. Dr. D. Ramakrishna attended a workshop “First Indo – French on Microwave nanotechnologies (MiNa) organized by IISc, Bangalore with support from CEFIPRA, CNRS and Thales Aerospace.
6. Dr. P. Naveen Kumar and Dr. A. Bharathi attended GAIN course on Advance Electromagnetic Engineering during 2 – 8th November 2017
7. Dr. P. Naveen Kumar has attended one day workshop on Positioning Intelligence (HxGN Local India 2017)”. during 13th October 2017, held at Hexagon Capability Centre India Pvt Limited, Hyderabad.
8. Dr. P. Naveen Kumar has attended two day workshop on “Satellite Navigation” during 30-31 October, 2017 held at National Remote Sensing Centre (NRSC), Balanagar , Hyderabad.
9. Dr. P. Naveen Kumar, Mr. Md. Misbahuddin, Dr. R. Sandhya, Dr. A. Bharathi and Mrs. P. Srividya attended a GAIN course on Theory and Application of Correlation Filters for Computer Vision during 13 to 17th November
10. Dr. A. Bharathi attended FDP “RF Antenna Design” during 19-24 June at MGIT and NIT Warangal
11. Mrs. P. Padma, Dr. A. Bharathi and Dr. R. Sandhya attended FDP “Soft skills for professional excellence” during 19 July to 8th August at Academic Staff College, OU
12. Mr. M. Shyamsunder attended a 3 week Refresher course on Internet of Things in UGC – HRDC, JNTUH during 9 – 30th October, 2017.

Guest Lectures Delivered

1. Prof. P. Chandra Sekhar at FDP on VLSI Circuits and Systems “ Analog VLSI Design” during 15th November, at JNTUH and Spoorthy Engineering College.
2. Dr. B. Rajendra Naik delivered at FDP on VLSI Circuits and Systems “VLSI Interconnect Physical Design at JNTUH and Spoorthy Engineering College.

3. Dr. P. Naveen Kumar delivered an expert talk on “Defence Electronics Conclave” during 28th April organized by DLRL, Hyderabad.

Guest lecturers organized by Dr. A. Bharathi

1. RF radiation Safety by Shri Sandeep M. Satav, Head, EMI – EMC Division, DRSS, RCI at 10th June 2017.
2. Electromagnetic Scattering from Arbitrary Bodies using Rao Wilton – Glisson (RWG) Functions by Dr. Sadasiva Rao FIEEE, naval Research Laboratory Washington D.C. USA during 7th November 2017.
3. Compact Antenna Test Range Systems” by Rakesh Kr. Singh Head, Stealth Technologies & test Ranges Division.

Course conducted by Department

1. Dr. D. Ramakrishna conducted a course on Advanced Electromagnetic Engineering by Prof. SM Rao, Naval Research Laboratory sponsored by MHRD. Govt of India during 2 -8th November.
2. Prof. P. Ananth Raj and Dr. L. Nirmala Devi conducted a GIAN course on “Theory and Application of Correlation Filters in Computer Vision during 13th -17th November 2017.
3. Dr. L. Nirmala Devi conducted a GAIN Course on “Opportunities Challenges and research Trends in Wireless Sensor Networks” by Prof. Mahbub Hassan, University New South Wales, Australia during 11-15 December.
4. OU Centenary International Conference of ECE (OU 100 ECE) on “Electronics & Communication Technologies: Learning From Past & Marching towards Future. 29 -30 December.

Memberships

1. Dr. P. Naveen Kumar Fellow of IETE and also Life member of several professional bodies such as IEEE, ISTE, IoE, ISOI, BES and IACSIT.

Other information

1. A. Prototype of “ A Novel Wireless Sensor Network for Real – Time Water quality Monitoring in Natural Water Bodies” has been designed and deployed in the department is supported by Ministry of Electronics and Information technology (Meity) by Dr. L. Nirmala Devi.
2. Dr. L. Nirmala Devi received an award, Outstanding Woman in Engineering at 3rd international Meet at Chennai by Vinus International. Conducted two GIAN courses.
3. MOU with AMD BE/ME best project award on 25th May 2017

4. Advanced GNSS Research laboratory (AGRL), established under MoU between UCE,OU and SAC, ISRO was inaugurated by Shri. AS Kiran Kumar, Chairman, ISRO on 27th April 2017.
5. Training Program on IRNSS Receivers organized by Dr. P. Naveen Kumar at Advance GNSS Research laboratory (AGRL).
6. Dr. P. Naveen Kumar received a best paper award for the journal paper title“Analysis of Selected Parameters of Single Frequency Receiver in GPS and GAGAN modes”. International Journal of Advanced Research Trends in Engineering and Technology, Volume 4, Issue 12, Dec 2018, Page No.11-14.
7. Mrs. A. Bharathi awarded Ph.D in March, 2018 from JNTUH, Hyderabad on “Title: Reconfigurable Micro-strip Antennas for Wireless Communications”.
8. Mrs. Sandhya Rachamalla awarded Ph.D in May, 2018 from JNTUH, Hyderabad on “Title: Adaptive Routing Protocols for Adhoc Wireless Sensor Networks”

11. Memberships of Faculty Members

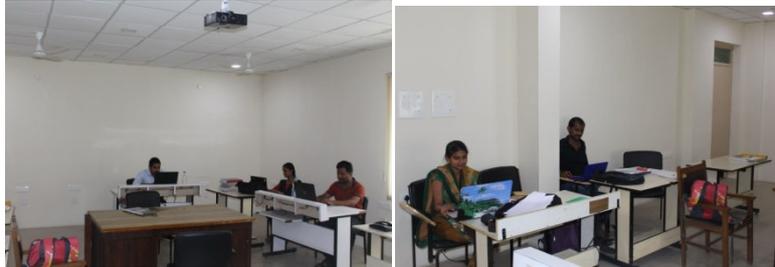
Dr. B. Rajendra Naik	IACSIT, Society for engineering & environment
Dr. R. Hemalatha	FIETE
Dr. L.Nirmala Devi	Optical society of India(OSI) IEEE
Mrs. P. Padma	MIEEE
Dr. D. Ramakrishna	MIEEE, MIETE, MIE,MISSS,MISTE
Dr. P. Naveen Kumar	MIEEE, MIACSIT, MISOI, MBES, MISTE, FIETE
Mrs. P. Kotilaxmi	MIETE
Mr. Md. Misbahuddin	MIETE, MISTE
Mr. M. Shyam Sunder	MIETE
Mrs. A. Bharathi	MIETE, MIEEE

12. Future interests of the Department are as follows

1. Strengthening VLSI, Signal Processing and Microwave laboratories
2. Collaborative research with foreign countries
3. Establishment of Wireless Sensor Networks Lab under UGC.
4. Submitting Research project proposals to various funding agencies such as DST, AICTE, UGC and DRDO etc.
5. Curriculum development based on the industrial requirements.
6. Active participation in Incubation Centre.
7. Interacting with distinguished alumni of the Department to:

- Establish an Alumni Block for carrying out technical events by the alumni.
- Provide fellowships to UG students to pursue post graduation.
- Offer Ph.D. programmes to PG students.
- Offer Post doctoral fellowships for the Department faculty to make them expert in selected fields.
- Sponsor projects to students and faculty.

Interact with students during weekends to guide them for providing solutions that support real life problems.



Research Scholars Lab



Department Library

Aakruthi



Communications Lab



CV Raman Heterogeneous Computing Lab



Electronics Lab



Microprocessor Lab



JC Bose RF & Microwave System Simulation Lab



Centre for Excellence in microwave Engineering



Digital Circuits Lab



VLSI Lab

DEPARTMENT OF ELECTRICAL ENGINEERING



TEACHING FACULTY

Professors			
			
Dr. P.V.N. Prasad	Dr. G. Yesuratnam	Dr. M.Manjula	Dr. B.Mangu
Professors		Associate Professors	
			
Dr. G.Mallesham	Dr. P.Srinivas	Mr. M.V. Ramana Rao	Dr. E. Vidya Sagar
Associate Professors	Assistant Professors		
			
Dr. P. Satish Kumar	Mr.CH.Siva Kumar	Mrs. G. V. Naga Lakshmi	Mrs. E.Sreeshobha
			
Mr. R. Linga Swamy	Dr. N. Susheela	Mr. P. Lokender Reddy	Mrs. N. Srilatha
			
Dr. B. Sirisha	Dr. J. Upendar	Mrs. U. Suryavalli	
Assistant Professors (Contract)			
			
Mrs. G. Jhansi Rani	Mr. S. Vijender Reddy	Mr. G. Srikanth	Mr. G. Kiran Kumar

Research Lab for Multilevel Inverters (Established by Dr. P. Satish Kumar)



Three Phase Eleven – Level Cascaded H-Bridge Inverter



Three Phase Seven-Level Neutral Point Clamped Inverter
(Established in Dr. P. Satish Kumar's Research Lab)



Cascaded Seven- Level Asymmetrical Inverter with Reduced Switches
(Established in Dr. P. Satish Kumar's Research Lab)

DEPARTMENT OF ELECTRICAL ENGINEERING

Phone No.: 040 - 2709 8628, 2768 2382

1. About the Department

The Department of Electrical Engineering has started in 1949 to offer B.E in Electrical Engineering. Presently, the Department is offering B.E. in Electrical & Electronics Engineering. Continuing Education for employed diploma holders was started in 1963 through the four-year Part-Time Degree course in Electrical Engineering; The Post-Graduate course in Electrical Machines was started in 1966. Later, in the year 1987, B.E in Instrumentation was offered.

With a view to provide diversity and industrial orientation to the Post Graduate program, currently the Department is offering M.E. courses in Industrial Drives & Control and Power Systems, which were introduced in 1971. The Department also offers part time PG courses in Industrial Drives & Control and Power Systems for the working academicians and engineers. A new PG program in Power Electronic Systems is introduced in the year 2008. The Part-Time Ph.D. program in Electrical Engineering is being offered since 1972.

The Department has twenty permanent faculty members and four teaching assistants who are highly experienced and actively involved in research activities. The Department is also equipped with state-of-art equipment and well qualified technical staff. Apart from regular academic activities, the Department faculty is involved in various professional activities like publishing their research findings in prestigious conferences and journals, organizing faculty development programmes, delivering expert lectures at various conferences and important seminars, chairing technical sessions at conferences abroad and reviewing of papers of good quality journals.

2. Academic Programmes

Programmes	Full-Time / Part-Time	Year of starting	Duration	Intake (2016-17)
B.E. (Electrical & Electronics Engineering)	Full-Time	1949	4 Years	60+ 10% FS
M.E. (Electrical Engineering) <ul style="list-style-type: none"> • Industrial Drives & Control • Power Systems • Power Electronic Systems 	Full-Time	1971 1971 2008	2 Years	48 + 10 FS
M.E. (Electrical Engineering) <ul style="list-style-type: none"> • Industrial Drives & Control • Power Systems 	Part-Time	1971 1971	3 Years	30
Ph.D. (Electrical Engineering)	Full-Time / Part-Time	1972	5 Years	Max. 8 per each supervisor

FS-Foreign Students

3. Faculty of the Department

Name of the Faculty	Areas of Interest
Professors	
Dr. P.V.N. Prasad, M.E., Ph.D.	Electric Drives, Power Electronics, Reliability Engineering
Dr. G. Yesuratnam M.Tech., Ph.D.	Voltage Stability, Power Systems Security, Reactive Power Optimization, AI Applications to Power Systems
Dr. M. Manjula M.E., Ph.D.	Power Systems, Power Quality, Neural Networks, Microprocessors & Microcontrollers
Dr. B. Mangu M.E., Ph.D.	Power Electronics, Electric Drives, Design of converters for renewable sources Integration.
Dr. G. Mallesham M.Tech., Ph.D., Post Doc.	Control Systems & Instrumentation, Neural Networks & Fuzzy Logic
Dr. P. Srinivas M.Tech., Ph.D.	Power Electronics, Industrial Drives & Special Electrical Machines with emphasis on Switched Reluctance Motor
Associate Professors	
Mr. M.V. Ramana Rao M.Tech., (Ph.D.) Head of the Dept.	Power Electronics, Electric Drives & Special Machines
Dr. E. Vidya Sagar M.E., Ph.D.	Distribution Reliability, Power Quality, Deregulated Power Systems, Smart Grid Distribution System
Dr. P. Satish Kumar M.Tech., Ph.D.	Power Electronics, Electric Drives, Multilevel Inverters, Matrix Converters and Special Machines
Assistant Professors	
Mr. CH. Siva Kumar M.E., (Ph.D.)	Renewable Energy Sources, Power Systems Optimization, Deregulated Power Systems, HVDC Transmission
Mrs. G.V. Naga Lakshmi M.Tech., (Ph.D.)	Electrical Power Engineering, Deregulation of Power Systems, Distributed Generation
Mrs. E. Sreeshobha M.Tech., (Ph.D.)	Power Electronics, Industrial Drives and Applications
Mr. R. Linga Swamy M.Tech., (Ph.D.)	Power Electronics & Drives, Multi level Inverters
Dr. N. Susheela M.E. Ph.D.	Power Electronics & Drives, Special Machines
Mr. P. Lokender Reddy M.Tech., (Ph.D.)	Instrumentation & Control Systems, Evolutionary Computation Techniques
Mrs. N. Srilatha M.E., (Ph.D.)	Power Systems Security, Voltage Stability, Artificial Intelligent Techniques, Microprocessors & Microcontrollers
Dr. B. Sirisha M. Tech., (Ph.D.)	Power Electronics, Electric Drives & Special Machines
Dr. J. Upendar M.Tech., Ph.D (IIT R)	Power System, Protection, Power Electronics, Drives, FACTS devices, Artificial Intelligent Techniques
Mrs. U. Suryavalli, M.Tech	Power Electronics and Machine Drives
Assistant Professor(C)	
Mrs. G. Jhansi Rani M.Tech., (Ph.D.)	Power Electronics and Industrial Drives

Mr. S. Vijender Reddy M.Tech., (Ph.D.)	Electrical Power Systems
Mr. G. Srikanth M.Tech., (Ph.D.)	Electrical Power Systems
Mr. G. Kiran Kumar M.Tech., (Ph.D.)	Electrical Power Systems, Reliability Engineering

4. Research Activities

- DSP Control of AC/DC Motor Drives
- Brushless DC (BLDC) Motor Drives
- Reliability Engineering in Power Systems & Maintenance Scheduling
- Modelling and Control of Switched Reluctance Motors
- Power Quality Problems – Detection and Classification
- Deregulated Power Systems
- Multilevel Inverters, Voltage Sag Indices,
- Artificial Intelligent Techniques in Power System Analysis and Automation
- Power System Security & Congestion Management
Renewable Energy Systems

5. Events Organized by the Department

1. Fourth Diamond Jubilee Endowment Lecture on “Distribution Systems with High Photovoltaic (PV) Penetration-Modeling, Analysis and Main Findings”, by Prof. Vijay Vittal, Arizona State University on 6th October, 2017 (Dr. G. Mallesham, Coordinator)
2. Techsonance-2018, 19th National level students Technical Symposium was organized during 9th -10th March, 2018 coordinated by Prof. B. Mangu.
3. Technical Lecture on Earthing and Earth Fault Protection by Mr. C. Satish, Life SMIEEE, rganized by IEEE Power & Energy Society Branch Chapter OUCE on 22nd March, 2018 at 4.30 P.M
4. One week GIAN short term course, sponsored by MHRD, Govt. of India was organized by Prof. B. Mangu, on “High Voltage Gain Soft-Switching Advanced Current-fed Technologies for Microgrid and Electric Transportation” during 18th to 23rd December, 2017.
5. Three-day International conference has been organized by the college, “International Conference on Innovative Technologies in Engineering-2018” during 11th -13th April 2018, with Prof. G.Mallesham as Convenor.

6. Infrastructure

The theory courses are complemented by the following Laboratories / Halls that are developed and strengthened over the years with specialized equipment.

E-Class room, Machines Lab – I, Machines Lab – II, Measurements Lab, Circuits Lab, Integrated Circuits Lab, Control Systems Lab, Microprocessors and Microcontrollers Lab, Computer Lab, Power Electronics Lab, Power Systems Lab, Programmable Logic Controllers Lab, Simulation Lab for UG, Solid State Drives Lab, Projects Lab for BE students, Computation Lab for PG for Projects and R&D

7. Activities under Technical Education Quality Improvement Program (TEQIP-Phase I & II)

Department has received funds under TEQIP for development of laboratories and imparting Training / Research activities for Teaching and Non-Teaching staff

Professional Software

CASPOC, MOTORPRO, EDSA, PSCAD, PSSE

Hardware Equipment

Photovoltaic Training & Research Kit, Power Analyzer, 6.5 Digit Multimeter, Switched Reluctance Motor & Power Module, Digital Signal Processor based motor drives, Programmable Logic Controllers (PLC) & SCADA, Process Control Trainer, PLC Trainer, Temperature Controller, Protective Relay Test set, Multi level Inverters, DSP Processors, Numerical Relays, Feeder Protection Unit and Induction and Synchronous machines with power electronic controls.

Software/ Equipment Purchased With UGC X Plan Grant

PC Schematic EL Automation Educational Bundle Ver. 6.0, 8086-Microprocessor Trainer kits, Compaq PIV PCs, MATLAB-Ver.R2006a, Computer Server, Laser Printers / Scanner, Multimeters.

Departmental Library

No. of Conference /Proceedings IEEE:	77
Hand books:	34
Software Manuals:	36
Total No. of titles:	3,219
Ph.D. Thesis Reports:	13
B.E. Project Reports:	202
M.E. Project Reports:	303

8. Faculty Achievements

1. Dr. P. Satish Kumar received Indo–Sri Lanka Joint Research Project entitled “Design and Development of Hybrid Wind-Solar Power Generation System using Multilevel Inverters for Grid Connected Applications” from the Department of Science and Technology (DST), New Delhi, Project Cost: Rs.24,42,800/-, Duration of Project: 3 years.
2. Dr. P. Satish Kumar applied a Patent on “Implementation of SVPWM Techniques to A Multilevel Inverter”, Application No. 201741042315A, published in the Official Journal of Patent, Issue No. 48/2017, page No. 45227, dated 01/12/2017.
3. Dr. P. Satish Kumar applied a Patent on “Asymmetrical Cascade H-Bridge Multilevel Inverter with Reduced Power Switches”, Application No. 201741033742A, published in the Official Journal of Patent, Issue No. 09/2018, page No. 7745, dated 02/03/2018.
4. The following scholars are awarded Ph.D. degrees by the department during 2017-18
 - a. C. Nagamani(supervisor – Prof. R. Somanatham)
 - b. V. Punnaiah(supervisor – Prof. G. Yesuratnam)
 - c. B. Sirisha(supervisor – Dr. P. Satish Kumar)
 - d. N. Susheela (supervisor – Dr. P. Satish Kumar)
5. Dr. G. Mallesham, appointed as Special Officer for Automation, OU w.e.f. 21-09-2017.
6. MATLAB for beginners & Engineering Applications PART-1 4th November, 2017 and PART-2 December, 2017 Time 9.30 AM to 11.00AM in E-Class Room, Electrical Engineering, UCE, OU (Speaker: Dr. G. Mallesham)
7. Dr. P. Srinivas attended a GIAN course on “Current Trends in Power Electronics & Drives Technology” at Dept. of Electrical Engineering, VNIT, Nagpur, Maharastra during December, 11-16, 2017.
8. Mrs. N. Srilatha attended the GIAN course conducted by NIT, Warangal, titled “Wide Area Monitoring for Cyber Power System” Scheduled during 26th to 30th December, 2017.
9. Dr. G. Mallesham and Dr. P. Srinivas are promoted as professors in the department.
10. Dr. G. Mallesham is appointed as Convenor for the International Conference on Innovative Technologies 2018 (ICITE-2018) to be held from 11th to 13th April, 2018.
11. Dr. P. Srinivas is appointed as In-Charge (Reviews Papers) for International Conference (ICITE-2018) w.e.f 21-02-2018.
12. Dr. E. Vidya Sagar is appointed as Incharge (Sponsors) for International Conference (ICITE-2018) w.e.f 21-02-2018.

13. Prof. B. Mangu & Mr. Ch. Siva Kumar, Asst Prof., are appointed as Departmental Co-coordinators for International Conference (ICITE-2018) w.e.f. 21-02-2018.
14. Dr. J. Upendar is appointed as Nodal Officer (Procurement) for TEQIP-III.
15. Dr. J. Upendar & Mrs. U. Suryavalli, Asst Prof., are appointed as Departmental Co-coordinators for International Conference (ICITE-2018) w.e.f. 21-02-2018.
16. Mr. G. Srikanth attended Short Term Course on “Engineering Research Methodology” organized by Dept.of Mechanical Engineering, UCE, OU from 11-12-2017 to 14-12-2017.
17. Dr. G. Mallesham, is appointed as Faculty Advisor for Ph.D. Research Scholars (EE) (Regular & Part Time) w.e.f. 06-06-2017 in the department.
18. Dr. J. Upendar is appointed as E-Liason Officer of University College of Engineering, OU, w.e.f 01stOctober 2016 for the period of next two years.
19. Dr. B. Sirisha is appointed as Departmental Convener M.E. / M.Tech. (PTPG) admissions for the academic year 2018-2019
20. Dr. J. Upendar is the Reviewer for the journal “*IEEE Transactions on Power Delivery*”, TPWRD-00776-2015, from June 2015.
21. Dr. J. Upendar is the Reviewer for the journal - “*IET Generation, Transmission & Distribution*” from April/May 2015.
22. Dr. P. Satish Kumar is Editorial Board member for “*GE-International journal of Engineering Research*”.
23. Dr. P. Satish Kumar is acting as Reviewer for an international journal “*Journal of Electrical and Electronics Engineering Research*”.
24. Dr. G. Mallesham and Dr. P. Srinivas are promoted as professors in the department.

9. Training / Learning Activities of the Department:

1. Dr. G. Mallesham & Dr. J. Upendar, attended International Workshop on “Stability and Control of Renewable Energy Based Systems” during 2nd & 3rd September, 2017 at IIT, Delhi.
2. Mrs. E. Sreeshobha, attended One Week Training Programme on “Power System Reliability” Conducted by NPTI, Bangalore during 2nd to 7th July, 2018
3. Dr. P. Srinivas attended a GIAN course on “Current Trends in Power Electronics & Drives Technology” at Dept. of Electrical Engineering, VNIT, Nagpur, Maharashtra during December, 11-16, 2017.

4. Mrs. N. Srilatha attended the GIAN course conducted by NIT, Warangal, titled “Wide Area Monitoring for Cyber Power System” Scheduled during 26th to 30th December, 2017.
5. Dr. B. Sirisha attended One week Faculty Development Program on “Principle of GNSS, Applications and Research Areas” during 4th – 9th June, 2018. in Dept. of Electronics and Communication, UCE, OU.
6. Dr. J. Upendar & Mrs. U. Suryavalli attend the UGC-HRDC sponsored three week Refresher Course on “Internet of Things” at JNTU Hyderabad from 9th Oct, 2017 to 30th Oct, 2017.
7. All the faculty of department have attended “One day Induction Program” on 20th January, 2018, organized by the college, sponsored by TEQIP-III.
8. All the lady faculty have attended the Womens’ Day workshop on 8th march 2018, organised by the college

10. Research Publications

Name of the Faculty	National/ International Journals	National / International Conferences
Mr. CH. Siva Kumar	3	02
Mrs. E. Sreeshobha	-	02
Dr. N. Susheela	03	02
Dr. P. Satish Kumar	17	10
Mrs. N. Srilatha	-	01
Dr. B. Sirisha	03	02

11. Student Achievements

Institution and Industry Interaction

The students are pursuing their B.E / M.E Project works in the following Industries / Organizations:

- Central Power Research Institute (CPRI), Bangalore
- National Thermal Power Corporation (NTPC), Ramagundam
- Bharat Heavy Electrical Limited (BHEL), Hyderabad
- GENPACT, Hyderabad
- GE IIC, Hyderabad, DRDO, Hyderabad
- Crompton Greaves Ltd, Mumbai
- Honeywell Technology Solutions (HTS)
- National Remote Sensing Agency (NRSA), Hyderabad
- PLC Lab EED, OUCE

12. Future Plans of the Department

To establish Research Centers in the field of

- Power Systems
- Special Electrical Machines
- Power Electronics & Industrial Drives



Techsonance 2018

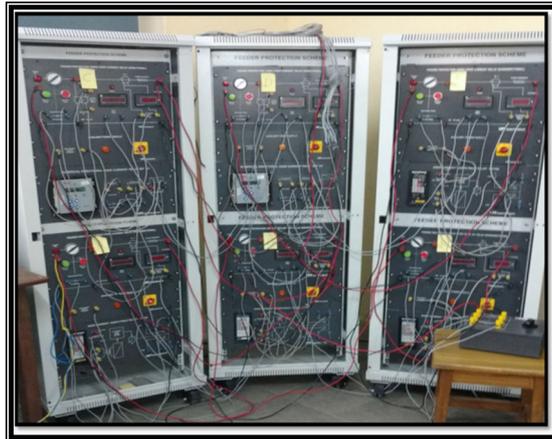


One week GIAN shortterm course on “High voltage gain soft switching advanced current fed technologies for micro grid and electric transportation”, organized by Prof. B. Mangu from 18 Dec – 23 Dec 2017



3-day International conference on, “International Conference on Innovative Technologies in Engineering-2018” during 11th -13th April 2018, Prof. G.Mallesham as Convenor.





Feeder Protection Unit (Power system Lab)



Electrical Machines lab



Electrical Machines lab



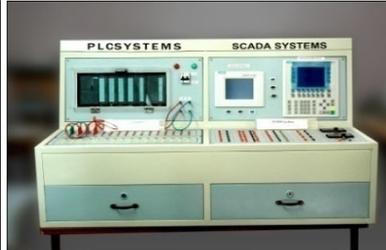
Industrial Process Control Trainer



IPM Power Module with DSP Controller



Photo Voltaic Training and Research Kit



PLC and SCADA Systems



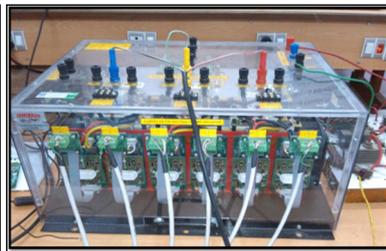
Power Analyzer



Relay Protection Test Set



DSP based Multilevel Inverter Fed Induction Motor Drive



3 - Level Diode Neutral Clamped Inverter

DEPARTMENT OF MECHANICAL ENGINEERING



TEACHING FACULTY**Professors**Dr. P Laxmi
Narayana

Dr. Sriram Venkatesh



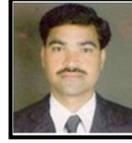
Dr. A Krishnaiah

Dr. P Ushasri
(Head)

Dr. P Ramesh Babu



Dr. R Rajendra

Dr. M Chandra
Sekhar Reddy

Dr. B Hadya

Dr. K
SaraswathammaDr. Narsimhulu
Sanke**Associate Professors**Dr. M V Ramana
MurthyDr. V Uma
MaheshwarDr. L Siva Rama
Krishna

Dr. G Narender

Assistant ProfessorsMr. E Madhusudan
Raju

Dr. T Nagaveni



Ms. TSRV Padmalatha

Assistant Professors(Contract)Mr. G
VenkateshwarluMr. K L Uday
KiranMr. K
VenkateshwarluMr. K Ashok
KumarMr. M
Prakash

DEPARTMENT OF MECHANICAL ENGINEERING

Ph.No: 40 2709 7346

Email: med.ouce@gmail.com

1. Profile:

Mechanical Engineering Department was established in the year 1939 at University College of Engineering, Osmania University to offer four year degree course with an intake of 60 students. It has since then grown significantly by spreading its academic activities in offering courses at Undergraduate level as well as Post Graduate level. The department faculty is actively involved in guiding research scholars leading to Ph.D. degree.

The Department is offering Post Graduate Programmes in Production Engineering, Turbomachinery and Automation & Robotics both in regular/part time. It is also running three P.G Programms in CAD/CAM, Tool Design and Design for Manufacture in Collaboration with Central Institute of Tool design (CITD), MSME, Govt. of India. The Department receives research and modernization grants from UGC, MHRD, AICTE and TEQIP.

The Department has highly qualified and motivated faculty to impart quality education and academic insights. In order to keep pace with changing needs of educational standards and industry needs, the department revises the curriculum every year. The revised curriculum for B.E and M.E courses includes subjects like Computational Fluid Dynamics, MEMS, Nano-Materials, Composite Materials, Computer Aided Modeling & Design, Rapid Prototyping and Neural Networks & Fuzzy Logic in addition to conventional subjects.

The syllabi for four year B.E Degree Course is classified into the following categories:

1. Strengthening of basic concepts in Physics, Chemistry, Mathematics and Engineering Mechanics.
2. Engineering Drawing Practice.
3. Design of Mechanical Systems
4. Manufacturing Technology
5. Utilization techniques of thermal and other forms of energy.
6. Industrial Engineering and Management.
7. Computer languages.
8. Computer Aided Design and Analysis.
9. Laboratory Practice to make the students understand the Practical aspects of the theoretical principles taught in the classroom.
10. Specialized and developing areas (as elective subjects).



Name of the Faculty	Research Areas/Specializations
Professors	
Prof. P.Usha Sri, Ph.D. (IIT-Madras) Head,	Thermal Engineering, Turbo machinery, Computational Fluid Dynamics
Prof. P Laxminarayana, Ph.D.	Production Engineering, Industrial Engineering, Engineering Research Methodology
Prof. Sriram Venkatesh, Ph.D	Material Handling, CAD/CAM, Advanced Kinematics, Additive Manufacturing Technologies and Applications,
Prof. A.Krishnaiah, Ph.D (IIT Madras), Post Doc (South Korea)	Manufacturing, Severe Plastic Deformation. Nano Technology
Prof. P.Ramesh Babu Ph.D BoS(L), UCE	Composite Materials, Finite Element Methods
Prof. R.Rajendra, PhD BoS(G), OU	Production Engineering, Metrology & Instrumentation, Robotics using soft computing
Prof. M.Chandra Sekhar Reddy, Ph.D,	Machine Design, Vibrations, Finite Element Analysis
Prof. B Hadya, Ph.D.	Thermal Engineering, Heat Transfer
Prof. K. Saraswathamma, Ph.D.	Production Engineering, micro machining, Finite element Analysis.
Prof. Narsimhulu Sanke, Ph.D.	Thermal Engineering
Associate Professors	
Dr. M.V.Ramana Murthy, Ph.D.	Non Conventional Energy, Heat Transfer
Dr. V.Uma Maheshwar, M.E.	Thermal Engineering, Turbomachinery, Cascade Aerodynamics,
Dr. L Siva Rama Krishna, Ph.D	Production Engineering, Additive Manufacturing
Dr. G Narendar, Ph.D	Thermal Engineering, CAD/CAM
Assistant Professors	
Mr.E. Madhusudan Raju, M.E.	Automation & Robotics, Control systems
Dr. T Nagaveni, Ph.D.	Production Engineering, Ceramic Processing
Miss.TSRV Padmalatha, M.E.	Production Engineering, Manufacturing Systems.
Assistant Professors (C)	
Mr. G Venkateshwarlu, M.E.	Production Engineering,
Mr. K. L. Uday Kiran, M.E	Production Engineering,
Mr. K Venkateshwarlu, M.E.	Production Engineering,
Mr. U Ashok Kumar, M.E.	Advanced Design & Manufacturing:
Mr.M Prakash, M.E.	Production Engineering;
Dr. K Buschiah Ph.D (I.E./SCIENTIST)	Production Engineering

Research Activities:

Department has undertaken extensive consultancy and research programmes in the following.Major fields:

1. Composite and Nano materials
2. Additive Manufacturing
3. Computational Fluid Dynamics
4. CAD/CAM Applications.
5. Non Conventional Energy systems.
6. Metal cutting and Machine Tool Engineering.

Laboratories of the Department:

- Advanced Manufacturing
- Production Engineering
- Metrology & Instrumentation
- Metallurgy & Materials
- Hydraulic Machines
- Thermal Engineering
- Workshop & Foundry
- CAD/CAM, CFD
- Computer Programming
- Automation & Robotics
- Center for Prototyping

Research/Consultancy Projects (ongoing):

Title of the Project	Coordinators/ investigators	Funding Agency	Cost Rs.
Production of Ultra-fine Grained Copper Tools by Equal Channel Angular Extrusion for Micro-Machining	Investigator: Prof A Krishnaiah	UGC	8.10L
Assessment of Dimensional accuracy of Facial (Zygomatic) bone fractures reduction using Additive manufacturing	Investigator: Dr L Siva Rama Krishna	UGC	5.0L
Development of EEG based Human Machine Interface for the control of 2 dof robot with Joint Flexibility	Investigator: Dr L Siva Rama Krishna CoInvestigator: Mr. E Mahusudan Raju	UGC	4.5L
Advanced high temperature oxidation resistant Titanium aluminide intermetallics with rare earth additions.	Investigator Dr G S Reddy Co-Investigator Prof Sriram Venkatesh	DRDO	47.13 L

Infrastructure:**Equipment Purchased in the last Academic year:**

- Abrasive wear tester equipment worth of Rs. 8.0 Lakhs.
- Subsonic wind tunnel equipment worth of Rs 8.0 Lakhs
- Pin on Disc Equipment worth of Rs. 9.0 Lakhs
- The above equipment are purchased from the funds allotted to the department under TEQIP-III

Achievements:

- Department in collaboration with IIT Kharagpur and Dept. of Mathematics & Civil Engineering of Osmania University organized 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017. Prof. P. Usha Sri , Prof. V. Bikshma, Prof. J. Anand Rao were the organizing secretaries of the event. Prof Rameshwar (Dept of Mathematics) & Prof P Bhikshma (Dept of Civil Engg) were the convenors of the event. Dr. P. Ramesh Babu, Dr. Y. Rameshwar were the co-organising secretaries and Dr. L. Siva Rama Krishna, Dr. D. Rupesh Kumar, Dr. N. Kishan were the convenors of the event. After peer review about 200 papers were selected for presentation at the conference. In this 60 papers were from various IITs and NITs, 50 papers were from R&D organizations and others from other universities and abroad.
- Department organized one week workshop on “Engineering Research Methodologies” (TEQIP-III sponsored) at MED, UCE, OU, Hyderabad during Dec 04 - 07, 2017. TEQIP –III funds were used for organizing this workshop. Dr K Buschaiah was the convener for the workshop.
- Department organized one week workshop on “Engineering Research Methodologies” (TEQIP-III sponsored) at MED, UCE, OU, Hyderabad during June 18-22, 2018. TEQIP –III funds were used for organizing this workshop. Dr K Buschaiah was the convener for the workshop.
- One day workshop on Design & Analysis of Mechanical Systems on 31st August, 2017
- Organized Mecharena 2018, an annual student technical fest on 13th - 14th March, 2018. Dr L Siva Rama Krishna was the faculty advisor of the event and Mr Nitin Reddy was the student convener
- Organized a two day workshop on Powder Metallurgy during November 2017
- Organized a National Conference on Advances in Mechanical engineering and Nano Technology (AMENT) during 29th -30th June 2018. Prof A Krishnaiah was the organizing secretary of the event and Dr G Narendra was the convener of the event. 59 papers were selected for presentation after peer review.

- Organized one month GIAN course on Nonlinear Dynamics of Classical Magnetic Systems from 10th November to 9th December 2017 in association with Dept of mathematics, UCE,OU. Prof P Ramesh Babu was the convenor for the event.
- National Seminar on "Surface Coating Technologies" on 16th March, 2018, Sponsored by TEQIP-III.
- National Conference on “Advances in Mechanical Engineering and Nanotechnology (NCAMENT-2018)” during 29-30 June, 2018

Guest Lectures:

1. Padmashree Dr Gyana Ghandi delivered a key note lecture at Mechaarena 2018, an annual student technical fest on 13th -14th March, 2018.
2. Dr. Chakravarthy, Associate professor, dept of aerospace engineering, Indian Institute of Space Science Technology delivered a guest lecture on “ Materials and Technology for Aerospace Applications” 28th april, 2018
3. Dr P K Jain, delivered a keynote lecture on Importance of characterization of Nano materials at National Conference on Advances in Mechanical engineering and Nano Technology (AMENT) during 29th -30th June 2018
4. Dr Sudhakar Rao, Director Branding ICFAI delivered a key note lecture on Edutech past present and future at National Conference on Advances in Mechanical engineering and Nano Technology (AMENT) during 29th -30th June 2018
5. Mr Praveen Kulkarni, Director KAME delivered a key note lecture Motivating Future engineers at National Conference on Advances in Mechanical engineering and Nano Technology (AMENT) during 29th - 30th June 2018
6. Prof. David Laroze, delivered Professor B. R. Seth Memorial lecture on Nonlinear convection in magnetic fluids at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
7. Prof. Jozef Brestensky, delivered Professor A. S. Gupta Memorial lecture on Magnetoconvection and Natural Dynamos at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
8. Prof. Pradipta Banerjee, delivered Professor B. Karunes Memorial Speaker lecture on Structural Fragility using Updated Model from SHM at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017

9. Prof Tony Wen-Hann Sheu, delivered Professor P. L. Bhatnagar Memorial lecture on Thermal ablation of liver tumor-model development and simulation at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
10. Prof. Santosh Kapuria delivered Professor B. R. Seth Memorial lecture on Zigzag Theory based Efficient Modeling of Piezo laminated Smart Plates and Shells with Piezoelectric Nonlinearity and Delamination Effect at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
11. Prof. Aparna Ghosh, delivered a invited lecture on Seismic Vibration Control of Structures with Tuned Liquid Dampers at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
12. Prof. Ananth Ramaswamy delivered invited lecture on Response of Structural Concrete to Hygro-thermo-chemo-mechanical loading Processes at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
13. Prof. B. K. Maheshwari delivered invited lecture on Nonlinear Seismic Soil-Structure Interaction at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
14. Prof. B. S. Padmavathi delivered invited lecture on Steady and Unsteady Oseen Equations – Revisited at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
15. Prof. K.V.L.Subramaniam delivered invited lecture on Embedded Sensor Systems for Continuous Monitoring of Concrete Structures at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
16. Prof. Mahendra Verma delivered invited lecture on What is the turbulence problem? At at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
17. Prof. Pankaj Agrawal delivered invited lecture on Earthquake Resistant Construction by using Visco-elastic Energy Dissipation Link Elements at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
18. Prof. S. Mandal delivered invited lecture on Performance Appraisal of Certain Non-Linear $K-\epsilon$ Turbulence Models at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017

19. Prof. S. N. Hasan delivered invited lecture on N-Body Problem and its applications to stellar dynamics at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
20. Prof. S. Talukdar invited lecture on Bridge Vehicle Interaction Dynamics and Its Practical Applications at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
21. Prof. Saptarshi Sasmal invited lecture on Multi-scale Modelling of Cement Composite – from Atomistic to Macro Scale at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
22. Prof. Siddhrtha Ghosh invited lecture on Surrogate Models in Computational Mechanics at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
23. Prof. Starchenko Sergey invited lecture on V. Planetary convection in fast rotating plain layer at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
24. Prof. Y. N. Reddy invited lecture on Numerical Treatment of Singularly Perturbed Differential Difference Equations at at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
25. Dr Y Srinivasa Rao, Director, RCI, DRDL gave valedictory address to the participants MECHARENA 2018 and students of department when he visited the department on march 14th March 2018.

Faculty Achievements

1. Prof P Laxminarayana, Prof Sriram Venkatesh, Prof P Usha Sri, Prof P Ramesh Babu, Prof R Rajendra, Dr V Uma Maheshwar, Dr L Siva Rama Krishna Co Chaired Technical Sessions at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017
2. Prof K Saraswathamma, Prof Narsimhulu Sanke, Dr L Siva Rama Krishna Chaired Technical Sessions at National Conference on Advances in Mechanical engineering and Nano Technology (AMENT) during 29th -30th June 2018

Prof P Laxminarayana:

1. Dean, Faculty of Engineering, Osmania University, Hyderabad (2017 to present)

2. Special Officer, Alumni Association of Osmania University, OU. (2010 to present)
3. Governing body Executive Member, OUAA, Osmania University (2009 to till date)
4. Convener, Osmania University Centenary Celebrations State level Competition (2017-2018)
5. Member, NSS adviser committee, Osmania University. (2012 to Present)
6. Member, JNTU Hyderabad Purchase Committee, Osmania University (2012 to present)
7. Member, JNTU Hyderabad Board of Studies, Osmania University (2012 to present)

Prof. Sriram Venkatesh

1. Appointed as Director, UFRO, Osmania University & Appointed as Director, Guest House, Osmania University

Prof. A.Krishnaiah

1. Member, National Monitoring Committee for Education of SCs, STs and Persons with Disabilities, MHRD, New Delhi (March 2018 to 3 Years)
2. Visitor's Nominee for Pondicherry University, Puducherry (2015-Till date)
3. Member, Board of Studies in Mechanical Engineering
 - JNTU Hyderabad (2018-till date)
 - Sri Vasavi Engineering College, Tadepallygudem, (Feb.2017-till date)
 - Institute of Aeronautical Engineering (IARE) (2015- Till date)
 - CVRCE, Ibrahimpatnam, R.R Dist. (2010-till date)
 - GMRIT, Rajam, Srikakulam Dist, AP (2014-till date)

Dr P Ramesh Babu

- Appointed as Co-Convener TSPGECET-2018,
- Appointed as Member of Research Council, DRDL, Hyderabad
- Appointed as Member TSPSC for all CET exams in Telengana state
- Appointed as Liaison officer for all CET exams in Telengana state

Dr. V Uma Maheshwar

1. Appointed by SAE India as the Vice Chairman (Student Activities) of SAE India, Hyderabad Division.
2. Served as the Founding Joint Secretary of the Alumni Association, OUCE for about Two Years from Sep 2015 to Oct 2017.

3. Serving as an Advisor for National Association of Training & Placement Officer's (NATPO)
4. Served as Organising Committee of SAE India's 12th National Student Convention- March 30-31, 2018 at Marri Laxman Reddy Institute of Technology, Dundigal, Hyderabad in the role of Vice Chairman (Student Activities) of SAE India, Hyderabad Division.

Dr. L Siva Rama Krishna

1. Chaired a Technical Session in the National Conference "Large Scale Multidisciplinary Systems of National Significance - Trends & Challenges" (LAMSYS-2018) organized by ISRO at Satyabhama University during April 7-8, 2018.

Dr T Nagaveni

- Received 'Doctor of Philosophy' in Mechanical Engineering from Department of Mechanical Engineering, National Institute of Technology, Warangal on 04th December, 2017 under the guidance of Prof.C.S.P.Rao.

Mr E Madhusudan Raju

1. Department convener for PTPG Admissions, 2018
2. Faculty advisor, EFFICYCLE-2018

Mr.U Ashok Kumar

1. Received the "Young Innovative Researcher in Mechanical Engineering award 2017" for the Best innovative Research work Presentation in micro hole machining by EDM process at Coimbatore International Conference 2017

Workshops/ Seminars/ Training Programmes organized by Faculty**Dr.V Uma Maheshwar**

1. Organized a Placement Training Workshop (Samanvaya) for Pre-final Year Students of BE/ME (All Branches) & MCA of OUCE during February 17 – 25, 2018 with an aim to assess the preparedness of students for the upcoming placement season and give inputs on how to prepare effectively for Campus hiring process.
2. Organised a two day Workshop called "Technology Theater" which showcased Technical Lecture Sessions by industry experts during March 30-31, 2018 as a part of 12th SAE India National Student

- Convention held at Marri Laxman Reddy Institute of Technology, Dundigal, Hyderabad
3. organizing Committee member of National Conference on Advances in Mechanical Engineering and Nanotechnology organised by Dept of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad during June 29-30, 2018.
 4. appointed and served as the Coordinator for Year long Centenary Celebrations of Osmania University. He has networked with Industry and many CEOs / Key Officials from the Industry who were invited to the Inaugural programme of the Centenary Celebrations of Osmania University.
 5. appointed and served as the Convenor for CSR (Corporate Social Responsibility) Coordination Committee of Centenary Celebrations of Osmania University,
 6. appointed and served as the Member of Finance Committee of Centenary Celebrations of Osmania University.
 7. invited as a Guest for Vellore Institute of Technology (VIT) Industry Interaction event “graVITude 2018” held at Hyderabad on 22nd February ,2018.
 8. Organized an Industry visit of about 250 number Prefinal Year students to Infosys, Pocharam Campus on August 19, 2017. The event is an academia interaction program named “SPARK” by Infosys in which HR managers of Infosys interacted with students at Hyderabad SEZ Development center to give students a first-hand flavor of the exciting work IT Companies do. It also provided students an opportunity to experience the Infosys eco-system, culture & value proposition to know what it’s like to be an “Infoscion”.
 9. Organized an Industry visit for nominated Faculty members of CSE and nominated Students of Final Year CSE/ECE&EEE to CapGemini Organsiation for Capgemini’s technology event Tech Fiesta 2018 at Hyderabad campus on June 14, 2018.
 10. Organized a Technology day event by JP Morgan Company at CSE Dept on April 1, 2017 for BE/B.Tech (3rd & 4th Year) and M.Tech/MCA (2nd Year & 3rd Year)
 11. Organized a Tech Talk session by CA Technologies on Topics of Lean IT, Data Analytics and User Experience(UX) on January 23, 2018 at CSE Dept for the Faculty and Students of the Dept. Mr . Prasad Purushothaman, Director, Strategy and Technology Office conducted the session along with a team of 6 Officials from CA.
 12. Coordinator for Online Aptitude and Softskills Training Courses launched on March 24, 2018 for the Under Graduate, Post Graduate Students and Research Scholars of OUCE. The courses are fully sponsored by the Alumni Association and are given out for FREE to all

the students of engineering college to help them learn the key skills that matter. Prof. S. Ramachandram graced the event as the Chief Guest and Distinguished Alumni Sri G. Yoganand was the Guest Honour. The event was presided by Prof. S. Sameen Fatima and organised by Dr. D. Vijay Kumar General Secretary, Alumni Association, OUCE.

13. Joint Secretary of the Alumni Association, OUCE has organized a Special Grand Event “GURU DEVOBHAVA” as a part of the Centenary Celebrations of Osmania University to Felicitate all the Retired Teachers of the University College of Engineering, Osmania University. About 70 Retired Teachers were felicitated by the Alumni Association of the College in the presence of Prof. S. Ramachandram, Vice Chancellor, Osmania University and Alumni of the College.
14. Conducted a Training program on “ How to conduct GDs and Interviews” for 60 number of Final Year Students of BE & MCA of OUCE on February 21, 2018 at OUCE.

Prof. Narsimhulu Sanke, Student Advisor, UCE,OU,

1. Organizing Secretary of “**Quizzotic-2018**” conducted quiz finals comprises a spectrum of areas encompassing the latest developments both technical and non-technical arena.
2. Organizing Secretary of “**FreeStyle-2018**” (for BE First years) one day Programme conducted at University College of Engineering.

Dr G Narender

- Arranged Industrial visit to ME(Turbomachinery) students to BHEL, Ramachandrapuram, Hyderabad on 23-11-2017

Prof Saraswathamma, Dr G Narender & E Madhusudan Raju

- Arranged Industry visit to Prof. Jayashankar Agricultural University, Rajendranagar on dt. 7-3-2018
- Arranged Industry visit to Nuclear Fuel Complex, Hyderabad on dt. 16-4-2018
- Arranged Industrial visit to ME(A&R, Production Engg) students to BHEL, Ramachandrapuram, Hyderabad on 23-11-2017

Workshops/ Seminars/ Training Programmes attended by Faculty

- **Dr L Siva Rama Krishna** attended One week GIAN course on "Advanced Electromagnetic Engineering" at ECE, UCE, OU from 2nd to 08 th Nov, 2017
- **Dr G Narender** Attended a Workshop on “Recent Trends in Fabrication Characterization of Nano Composites” from 05.07.2018 and 06.07.2018 at S.A. Engineering College, Chennai

- **Dr L Siva Rama Krishna**, Participated in the one-week FDP on "3D Printing Technology in Engineering Education", July 10-15, 2017 organised by Department of Mechanical Engineering in association with Teaching Learning centre of NIT Warangal
- **Dr K Saraswathamma, Dr T Nagaveni and E Madhusudan Raju** attended one month GIAN course on Nonlinear Dynamics of Classical Magnetic Systems from 23rd November to 22nd December 2017 in association with Dept of mathematics, UCE,OU
- **Dr L Siva Rama Krishna E Madhusudan Raju**, attended National Conference "Large Scale Multidisciplinary Systems of National Significance - Trends & Challenges" (LAMSYS-2018) organized by ISRO at Satyabhama University during April 20-21, 2018.

Guest Lectures Delivered by the Faculty

Faculty	No.of Guest Lectures delivered
Prof. Sriram Venkatesh	09
Prof P Usha Sri	01
Prof R Rajendra	01
Mr. V.Uma Maheshwar	03
Prof B Hadya	01
Prof K Saraswathamma	01
Dr. L Siva Rama Krishna	05

Prof. P. Usha Sri

- Delivered a guest lecture on "Research Proposal and Report Writing", Workshop on Research Methodology, organized by the Department of Mechanical Engineering, UCE, OU during June 18-22, 2018.

Prof. Sriram Venkatesh

- Delivered a keynote lecture on 'Additive manufacturing technologies : case studies ' at international conference on materials engineering and technology organized by dept of Mechanical engineering, Jendri institute of engineering and technology vizianagam during 15-16 th june 2018.
- Delivered a keynote lecture on 'engineering education in India: Present status, prospectus and challenges ' at national seminar on higher education in india : present status prospectus and challenges organized by dept of sociology, osmania university, hyd -07.
- Delivered a guest lecture Engineering education in INDIA :present status, prospects and challenges in National seminar on higher education in india: present status, prospects and challenges.

- Delivered a key note lecture on the topic “ ADDITIVE MANUFACTURING TECHNOLOGIES: Case Studies” in International Conference on Materials engineering and technology
- Delivered expert lecture on ADDITIVE MANUFACTURING in a Two week Faculty Development programme on “ Contemporary Advances in Materials and manufacturing engineering.”
- Acted as a resource person in a two day workshop on technical writing skills .
- Chief guest and delivered a keynote lecture for AICTE sponsored two week FDP on Rapid Casting Technologies.
- Delivered key note speech on ADDITIVE MANUFACTURING TECHNOLOGIES : Applications and Case studies in BITS PILANI . Hyd campus.
- Delivered a key note lecture on Rapid Prototyping Technologies and applications in International Symposium on Emerging trends in 3-D Printing electronics RPT and Robotics

Prof R Rajendra

- Delivered a lecture on “ Robotics” at FDP at Vardhaman College of Engineering, Hyd

Dr V Uma Maheshwar

- Expert Speaker at The Hindu EDGE Career Counselling session held on May 27, 2018 at JNTU College of Engineering, Hyderabad which was a ‘Career Counseling session’ for parents & candidates who are qualified in TSEAMCET 2018 and seeking admission into engineering courses during academic year 2018-19. The expert Lecture was delivered on the Topic “Choosing a suitable Engineering Course for a Successful Engineering Career”.
- delivered a guest lecture as the Chief Guest on topic “Benefits of Student’s participation in Society of Automotive Engineers (SAE) India Events” at First Annual student convention of SAE Collegiate club, of MVSR College of Engineering, Nadergul, Hyderabad on March17, 2018
- Delivered a lecture on “ Effective preparation strategies for succeeding in Campus Hiring season” for Pre-final Year Students of BE/ME (All Branches) & MCA of OUCE on February 24, 2018 at OUCE.

Prof B Hadya

- Delivered Guest lecturer for 2 days Faculty Development Programme on 25.06.2018 to 26.06.2018, on “Performance Evaluation Of Air-Conditioners For Different Refrigerants Using Different Software Tools” at Sreyas Institute of Engineering and Technology, Hyderabad

Prof. K Saraswathamma

1. Resource person for AICTE-ISTE sponsored 6-day refresher programme on “Engineering Drawing-An Effective Teaching Methodology” from 2-7 July 2018 at Malla Reddy Engineering College (A), Secunderabad.

Dr L Siva Rama Krishna

- Delivered a guest Lecture on the topic “Applications of 3D Printing in Biomedical and Aerospace Fields” on the occasion of Three Day National Workshop on “EMERGING TRENDS IN MANUFACTURING” (21-12-2017 to 23-12-2017) organized by Dept. of Mechanical Engineering, CVR College of Engineering, Hyderabad, on 22-12-2017.
- Delivered a guest Lecture on the topic, ““An Overview of Additive Manufacturing and Its Applications“, on the occasion of Pre-Conference Tutorial of International Conference on “Innovations in Mechanical Engineering”, organized by Department of Mechanical Engineering, Guru Nanak Institute of Technology, Hyderabad, on 28-12-2017.
- Delivered a guest Lecture on the topic, “Applications of 3D Printing in Biomedical and Aerospace Fields” on the occasion of AICTE Sponsored Two week Faculty Development Programme (27-11-2017 to 09-12-2017) on “Rapid Casting Techniques” organized by Dept. of Mechanical Engineering, Guru Nanak Institute of Technology, Hyderabad, on 02-12-2017.
- Delivered a KEYNOTE LECTURE on the topic “Applications Of 3d Printing In Health Care And Aerospace Sectors” on 16-06-2018 in the International Conference on “Materials Engineering and Technology” organized by Department of Mechanical Engineering, Lendi Institute of Engineering and Technology, Vizianagaram during 15-16 June, 2018.
- Delievered a guest lecture on the topic “Application of CNC Machining In Automobile & Defence Fields & Hybrid Manufacturing” on 20-03-2018 in the Two day National Workshop on “Computer Aided Manufacturing”, organized by Department of Mechanical Engineering, Methodist College of Engineering and Technology, Hyderabad, during 20-21 March, 2018.

Student Achievements (2017-18):

- Two students are selected for externship program offered by M/s. Boeing, USA and have to work at M/s. Cyient, Hyderabad. The stipend is Rs. 20,000/ per month. This offer is in line with IIT Kharagpur students. The students selected for this year are

- (i) Srija Reddy, Roll No. 100514736042
(ii) Naveen Raja ,Roll No. 100514736083

MECHARENA 2018:

Department conducted 16th Student national technical Symposium “**MECHARENA 2018**” During 09th-10th of March 2018. The faculty advisor for the event was **Dr. L Siva Rama Krishna** and **Mr Nitesh Reddy** was the student convener, The events like Navadhara Proudhyogika, Treasure Hunt, Sarvatra, Monster Track, Business events like be the CEO Impetus, Stipendium, 3D printing workshop, Paper Presentations, cultural events, spot events were part of the **Mecharena-2018** apart from Paper presentations and stipendium. More than 250 students registered for various events.

Placements:

The Placement record of the department for the year 2017-18 is as given below

No. of B.E. students applied for placements:	60
No of Job offers to B.E Students:	65
No. of Job offers to M.E students:	13
No. of Students opted Higher studies	05

Top GRE/CAT scores by the students :

S.No.	Student Name	GRE/CAT/GATE Score	Year
1	Parthasarathi	AIR 155	Admission in IITMadras
2	Nanda kisore reddy	AIR 609	Placement in ONGC
3	Nitish Reddy	AIR 276	Admission in IIT Madras
4	Bala Gopal Naik	CAT 76%	Admission in IIM Lucknow
5	Anurag Emmadi	CAT 98%	Admission in NITIE, Mumbai
6	J Vani Sumohitha	GRE Score 318	Admission in Texas A&M University, College station
7	Kavya Geethika	GRE Score 315	
8	D Sandeep	GRE Score 312	
9	M Divya	GRE Score 314	
10	Noman	GRE Score 308	
11	Saketh Subba	GRE Score 300	
12	Vineeth Reddy	GRE Score 300	

Efficycle-2017:

Efficycle is a 3 wheeled vehicle driven by both Human and electric power. It is an event conducted annually by SAE India during the month of October, a team(Technocrats) of ten 2nd year students represented department. They designed, Fabricated efficycle at the garage facility available in the dept. team consisted of Abhinav, Srinivas, Abhijeet, Abhiram, Wong, Vaibhavi, Jahnvi, Vihasit, Ramya, pavan venkat . The event was organized by SAE India and conducted at lovely professional university, Punjab. The faculty advisor for the event was Mr E. Madhusudan Raju.

Research Publications/Presentations by the Faculty:

Faculty	No. of Publications in	
	Journals	Conferences
Prof. P Laxminarayana	08	04
Prof. Sriram Venkatesh	13	05
Prof. A.Krishnaiah	13	03
Prof. P.Usha Sri	02	03
Prof. P.Ramesh Babu	04	03
Prof. R.Rajendra	05	03
Prof.M.Chandra Sekhar Reddy	04	--
Dr V Uma Maheshwar	04	04
Prof. B.Hadya	03	--
Prof. K. Saraswathamma	02	04
Prof. Narsimhulu Sanke	--	07
Prof. L Siva Rama Krishna	09	06
Dr. G Narendar	02	--
Mr.E.Madhusudan Raju	03	03
Dr. T.Nagaveni	02	--
Mr. K L Uday Kiran	02	02
Mr. U Ashok kumar	07	01
Dr K Buschaiah	01	--
TOTAL	84	48

Prof P Laxmi Narayana

1. P Laxminarayana, N Aravindan Study of surface morphology on micro machined surfaces of AISI 316 by Die Sinker EDM Materials Today: Proceedings 4 (2), 1285-1292, 2017

2. U Ashok Kumar, Prof. P. Laxminarayana "Study of Tool Wear Optimization in Micro Holes Machining of SS316 by Die Sinker Electrical Discharge Machining", *International Journal of Scientific Research in Multidisciplinary Studies*, Vol.3, Issue.7, pp.1-4, 2017.
3. U Ashok Kumar, Prof. P. Laxminarayana "Optimization of process parameters of Material Removal Rate in Micro hole Machining by Die sinker EDM", *IOSR Journal of Engineering (IOSRJEN)*, Vol. 07, Issue 07 ||V1|| PP 61-65, 2017.
4. U. Ashok Kumar, Prof. P. Laxminarayana "Study of surface morphology on micro machined surfaces of AISI 316 by Die Sinker EDM", *Elsevier - Materials Today: Proceedings Volume 4, Issue 2, Part A*, Pages 1285-1292, 2017. <https://doi.org/10.1016/j.matpr.2017.01.149>
5. U Ashok kumara*, Prof. P Laxminarayana , "Influence Of Process Parameters On Surface Roughness Of EN31 By Water Jet Machining, Proceedings Of The International Conference On Technological Advances In Mechanical Engineering (ICTAME 2017) On 22nd September 2017 .
6. U.Ashok Kumar, Prof. Laxminarayana Pappula , Ramulu M 2 "Tensile Behavior And Microstructural Characteristics Of Friction Stir Welded Butt Joints Of Titanium Alloys" at Proceeding of Material Science & Technology –October 8-12, 2017, International Conference,
7. U.Ashok Kumar, Prof. P. Laxminarayana "Optimization of Electrode Tool Wear in micro holes machining by Die Sinker EDM using Taguchi Approach, Elsevier - Materials Today: Proceedings 1824-1831 Volume 5, Issue 1, Part 1, Pages 1824-1831, 2018. <https://doi.org/10.1016/j.matpr.2017.11.281>
8. K. Buschaiah, A. Parshuramulu and P. Laxminarayana "Influence of Tool Geometry and Performance Characteristics of EN-19 Steel by EDM Using Taguchi Method", *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)*, e-ISSN: 2278-1684, p-ISSN: 2320-334X Vol. 14, Issue 4, Ver. I (Jul-Aug.2017) pp 28-35.
9. Syed Azeem Pasha, Ravinder Reddy P, Laxminarayana P, Buschaiah K "Influence of Process Parameters on Micro hardness of AA7075/MWCNT Surface Composites Fabricated through Friction Stir Processing" *International Journal of Innovative Research in Technology (IJIRT)*, ISSN:2349-6002, Volume 4, Issue 7, Dec.2017, pp 665-670.
10. Novel Methods of Assessment of Aesthetic Properties of Dress Material" *International Journal of Current Advanced Research*, Vol.6, issue7, July, 2017, pp 4758-4763.

11. Optimal FSW process parameters for dissimilar aluminium alloys (AA5083 and AA6061) Using Taguchi Technique, *Materials Today: Proceedings* 5 (2018) 4607–4614 (Elsevier).

Prof P Usha Sri:

12. K. Hemalatha, P. Usha Sri, N. Seetaramaiah “Experimental investigation of Magnetorheological Fluid Clutch”, *International Journal of Scientific Research and review*, Volume 7, issue 6, 2018, ISSN No: 2279-543X, pp. 333-343.
13. K. Hemalatha, P. Usha Sri, N. Seetaramaiah “Performance Evaluation and Validation of Magneto Rheological Fluid Clutch”, *International Journal of Applied Engineering Research* ISSN 0973-4562, Volume 12, Number 18 (2017) pp. 7572-7578

Prof Sriram venkatesh

14. Determination of Mode-I Fracture Toughness of Epoxy-Glass Fibre Composite Laminate *Procedia Engineering* Volume 173, 2017, Pages 1678-1683
15. Optimizing inkjet printing process to fabricate thick ceramic coatings, *Ceramics International* Volume 43, Issue 5, 1 April 2017, Pages 4513-4519
16. Influences of process parameters on weld strength of low carbon alloy steel in purged SAW, *materials today proceedings* Volume 5, Issue 1, Part 3, 2018, Pages 2928-2937
17. Ahmed, S. N., Reddy, P. R., & Venkatesh, S. (2018). A Study of the Secondary Flow in Aircraft Engine Compressor Disks using Computational Fluid Dynamics. *International Journal for Innovation Education and Research*, 6(1), 85-104. Retrieved from <http://www.ijer.net/ijer/article/view/923>
18. Design Andfabrication of Low Cost 3D Printer, 2017 *IJSRSET*, Volume 3, Issue 3, Print ISSN: 2395-199
19. Influence of 3D material properties on quality prototypes using SLS and FDM process of a 3D printer, *International Journal of Current Engineering and Technology*, ©2017 INPRESSCO
20. Prof Sriram venkatesh and Dr L Siva rama Krishna et al. "Design And Manufacturing Of A Scaffold For Biomedical Applications Using Additive Manufacturing." *Indian Journal of Scientific Research*, 2017, p. 1+. Academic OneFile, Accessed 9 July 2018

21. published a paper titled 'Laser speed effect on quality prototype fabrication operation : selective laser sintering ' in IGETSR volume-5 issue-1 january 2018
22. published a paper titled " Influence of 3-D material properties on quality prototypes using SLS and FDM process of a 3-D printer." In International journal of current engineering and technology.
23. published a paper titled " Investigation of runout of poly amide parts in selective laser sintering process using taguchi method " in international journal of engineering management and sciences.
24. published a paper titled " Experimental investigation on concentricity of poly amide sintered prototype by selective laser sintering process using taguchi method" in International journal of research in engineering and technology.
25. published a paper titled " Experimental Investigation on influence of process parameters in selective laser sintering on roundness using taguchi method" in International journal of mechanical and production engineering , research and development.
26. published a paper titled " Influences of submerged arc welding parameters on bead geometry of low carbon alloy steel " in International journal on mechanical engineering and robotics.

Prof A Krishnaiah:

27. Dongoor, S., Arakanti, K., Y, K., & Syed, A. (2017, December 16). Mathematical Modeling using Artificial Neural Networks for Quality Evaluation in the Machining of Fe-Al Alloy with PCBN Tools. ASIAN JOURNAL FOR CONVERGENCE IN TECHNOLOGY (AJCT) -UGC LISTED, 3(3), 1-4. Retrieved from <http://www.asianssr.org/index.php/ajct/article/view/17>
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30. D Srinivas Rao, A Krishnaiah, Y Krishna, S Adil, Mathematical Modeling using Artificial Neural Networks for Quality Evaluation in the Machining of Fe-Al Alloy with PCBN Tools, Asian Journal of Convergence in Technology 3 (3), 2017
31. D Srinivas Rao, A Krishnaiah, Y Krishna, A Syed, Modeling of Machining Performance on Fe-Al Alloy using Artificial Neural Networks, International Journal of Engineering Technology Science and Research 4 (11), 2017

32. S Gajanana, B Suresh Kumar Reddy, A Krishnaiah, Machinability Study of Aluminium 6061 Alloy on End Milling Process, *International Journal of Engineering Research* 6 (8), 397-402, 2017
33. S Gajanana, B Suresh Kumar Reddy, A Krishnaiah, Analysis of Machinability on Al 6061 using Single Point Cutting Tool, *International Journal of Scientific Engineering and Technology* 6 (8), 307-312, 2017
34. S Gajanana, B Suresh Kumar Reddy, A Krishnaiah, Linear Model for Turning Al 6061 using Least Absolute Shrinkage and Selection Operator (Lasso) *International Journal of Engineering Science Invention* 25-31 6 (7), 25 – 31, 2017
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36. P. S. Ravi, A. Krishnaiah, Md. Azizuddin, Suresh Akella, Design and Experimentation of Roll Bond Evaporator for Room Air Conditioner with R-22 as Refrigerant, *International Journal of Engineering: IJE TRANSACTIONS A* 30 (4), 558-566. 2017
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Prof P Ramesh Babu

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42. NJ Kumar, PR Babu, Investigation Analysis of Crack Growth Arresting with Fasteners in Hybrid Laminated Skin-Stiffener Joint *Applied Composite Materials* 25 (1), 131-144, 2018

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Prof Rega Rajendra

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46. Rega Rajendra , Goitom Tesfaye, and Ravva Sirinivas, ; Equiparametric Sampling Strategy for Evaluation of Higher Degree Free-form Surface using Contact Measurement. *International Journal of Advanced Research in Engineering and Technology*, Vol. 8(4), pp. 21–27, 2017. (Scopus indexed)
47. Rega Rajendra ,Goitom Tesfaye, T.S.S Prasad, Isoparametric line Sampling Strategy for Evaluation of Lower Degree Free form surface using Contact Measurement. *International Journal of Engineering and Manufacturing Science*, Vol. 7(2), pp. 171-180, 2017. (UGC Recognized journal)
48. Rega Rajendra, Pratihari, D.K; Analysis of double support phase of biped robot and multi-objective optimization using genetic algorithm and particle swarm optimization algorithm, Sadhana, Indian Academy of Sciences, Springer
49. Rega Rajendra, Goitom Tesfaye, “Sampling strategy of Free-form using Coordinate measuring machine surface,” a book chapter in *Mechanical Engineering for sustainable Development: State of the Art Research*, CRC press, January 2018. (ISBN hard: 978-1-77188-681-9.),

Prof. M Chandrasekhar Reddy:

50. M.Chandra Sekhar Reddy "Optimization Of Machining Parameter For Edm Using Taguchi Method On Incoloy-800", *International Journal of Research in Engineering and Applied Sciences (IJREAS)*.
51. Investigating the Mechanical Properties of FCC Structured Material Processed by Equal Channel Angular Extrusion, *International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 13, Number 6 (2018) pp. 3716-3718

52. Numerical Analysis Of Rubber Assisted Sheet Hydro-Forming Process And Its Experimental Verification International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; ISSN (E): 2249-8001, Vol. 8, Issue 2, Apr 2018, 591-600
53. Condition Monitoring of Ball Bearings, International Journal of Advance Research, Ideas and Innovations in Technology. Volume 4, Issue 2 (2018), 54-59.

Dr. V Uma Maheshwar

54. Presented a Paper titled “Analysis of Key Design Parameters of a Pure Scramjet Engine to Reduce its Starting Mach Number” at National Conference on Advances in Mechanical Engineering and Nanotechnology organised by Dept of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad during June 29-30, 2018 (Co Author : Ms. Y.Vijrumbana)
55. Presented a Paper titled “Comparative Study of Structured and Unstructured Meshing of Nozzle Model” at National Conference on Advances in Mechanical Engineering and Nanotechnology organised by Dept of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad during June 29-30, 2018 (Co Author : Mr. Moogi Srinivasa Rao)
56. Presented a Paper titled “Computational Study of Savonius Vertical Axis Wind Turbine(VAWT) for different Overlap Ratios” at National Conference on Advances in Mechanical Engineering and Nanotechnology organised by Dept of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad during June 29-30, 2018 (Co Author : Mr. Pavan Mummadi)
57. Presented a Paper titled “Computational Study of Two Phase Flow and Heat Transfer in Helical Pipes” at National Conference on Advances in Mechanical Engineering and Nanotechnology organised by Dept of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad during June 29-30, 2018 (Co Author : Mr. R.V.S.S.R.Pavana Kumar)

Prof B Hadya

58. Dr.B.Hadya, et al. Published a paper, Title Performance Analysis of an Omni directional Intake Duct Wind turbine using CFD, in International Journal of Latest Engineering and Management Research (IJLEMR) ISSN: 2455-4847, Volume 02 - Issue 09, PP. 01-10, September 2017.

59. Dr.B.Hadya, et al. Published a paper, Title “Enhancement of Bio-Gas Yield from Dry and Green Leaves by Inoculation, in the International Journal of Latest Engineering and Management Research (IJLEMR) ISSN: 2455-4847, Volume 02 - Issue 10, PP. 07-12, October 2017.
60. Dr.B.Hadya, et al. Published a paper, Title “Experimental Study on AA7075 Its Effect of Rotational Speed and Tool Pin Profile on Friction Stir Welding Process” in the International Journal of Innovations in Engineering and Technology (IJJET), Volume 9 Issue 3, pp: 88-93, February 2018.

Prof.K. Saraswathamma

61. K. L. Uday Kiran, K.Saraswathamma, A.M.K.Prasad, G.Chandra Mohan Reddy, “Study on Wire-EDM Taper Cutting Process: A Review” International Journal of Technical Innovation in Modern Engineering & Science, Vol .3, Issue 12(2017), 268-274.
62. K. L. Uday Kiran, K.Saraswathamma, A.M.K.Prasad, G.Chandra Mohan Reddy, “Effect of process parameters on angular error in wire-EDM taper cutting of AISI D2 tool steel” International Journal of Engineering and Science Invention (IJESI), Accepted for publication.

Dr L Siva Rama Krishna:

63. L.Siva Rama Krishna, Aravind Reddy.G, Bhaskar Sudhakanth.V & Sriram Venkatesh,“Application of 3D Printing For Building Prototype Model of Osmania University Arts College – A Case Study”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 11 (2018) pp. 9267-9272.
64. L.Siva Rama Krishna, B.Karthikanand, Ritesh Rajan, T.Hima Bindu, P.Ravinder Reddy, “Finite Element Analysis of a Fractured Mandible Fixed With Micro Plates”, International Journal of Engineering Science and Technology , Vol. 9 No.07 Jul 2017, page 784-795.
65. L. Siva Rama Krishna, Ashok Gundeti, “Comparative Study On The Components Fabricated By Injection Moulding And Fdm 3d Printing Process”, International Journal of Mechanical And Production Engineering, ISSN(p): 2320-2092, ISSN(e): 2321-2071 Volume- 5, Issue-12, Dec.-2017.
66. L. Siva Ramakrishna, Bhaskar Sudhakanth Vemulakonda, Abhinand Potturi, ” Evaluation of Zygomatic Complex Fractures Based on Three Point Fixation Technique using Additive Manufacturing” International Journal of Scientific Research in Science and Technology(IJSRST),Print ISSN : 2395-6011, Online ISSN : 2395-602X, Volume 4, Issue 2, pp.1092-1100.

67. E. Madhusudan Raju, L Siva Rama Krishna, Mohamed Abbas, V Nageswara Rao, "Control Of Multi-Link Robots With Link Flexibility" International Journal of Scientific Research in Science and Technology(IJSRST),Print ISSN : 2395-6011, Online ISSN : 2395-602X, Volume 4, Issue 5, pp. 1267-1273.
68. G Prakasham, L Siva Rama Krishna , J Naveen kumar, A. Sheshu Kumar, "Study of Microstructure Characteristics and Mechanical Properties of Aluminum Alloy Gas Tungsten Arc Welded Joints", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.5, Issue 5, page no.593-599, MAY-2018..
69. Madhusudan Raju, L Siva Rama Krishna, Afzal Haroon, Jagapathi. "Analysis Of Ankle Joint With Articular Cartilage", International Journal of Creative Research Thoughts (IJCRT), Feb 2018.
70. L. Siva Rama Krishna, M. Kamal, Sriram Venkatesh And Manmadhachary, "Design And Manufacturing of a scaffold For Biomedical Applications Using Additive Manufacturing", Indian J.Sci.Res. 15 (2): 01-06, 2017.
71. T. Hima Bindu, L. Siva Rama Krishna, P. Ravinder Reddy, M.Tejdeep, B. Karthik Anand, "Three Dimensional Modeling and Finite Element Analysis of Conventional Type Miniplates Fixed at Mandibular Fractures" International Journal on Recent Researches In Science, Engineering & Technology, Vol. 5, Issue 9, September, 2017.

Dr. G. Narendar

72. G.Narendar, V.Chandra Sekhar, Preparation and Testing Of Composites with Slag and Egg Shell Powder Filler, Int. Journal of Engineering Research and Applications, Vol. 8, Issue 6 (Part -II) June 2018, pp 57-60
73. G.Narendar, E. Arjun , Experimentnal Investigation on Delamination of Nanocomposite Laminates , Journal of Engineering Research and Application www.ijera.com ISSN : 2248-9622, Vol. 8, Issue 6 (Part -V) June 2018, pp 46-49

Dr.T Nagaveni

74. T. Nagaveni , "DESIGN AND ANALYSIS OF DRAW DIE FOR THE TAIL GATE SKIRT PANEL", International Journal of Technical Innovation in Modern Engineering and Science, Vol 3, Issue 10 (2017) (UGC Listed)
75. Published Chapter in a book "Mechanical Engineering for Sustainable Development- State-of-the-Art Research" CRC Press, Taylor and Francis Group 2017

Ms TSRV Padmalatha

76. TP K Saraswathamma Model for the prediction of surface finish in Ball End Magnetorheological finishing process International Journal of Engineering and Technology 9 (03) 2017
77. KS TSRV Padmalatha, Madhavi J, Influence of Process Parameters of Surface Grinding on Maraging Steel International Journal of Materials Science 12 (01), 127-135 2017

Mr. KL Uday Kiran

78. "Study on Wire-EDM Taper Cutting Process: A Review", International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Volume 3, Issue 12, December-2017.
79. "Effect of Process Parameters on Angular Error in Wire-EDM Taper Cutting of AISI D2 Tool Steel", International Journal of Engineering Science Invention (IJESI) Volume 7 Issue 6 Ver IV || June 2018 || PP 67-72

Mr Ashok kumar

80. Study of Tool Wear Optimization in Micro Holes Machining of SS316 by Die Sinker Electrical Discharge Machining, International Journal of Scientific Research in Multidisciplinary Studies 3, 2107

Conference Papers**Prof A Krishnaiah**

81. S. Pochaiyah, Balaji Padya, A. Krishnaiah, Effect of One-Dimensional Carbon Nanotube Loading on Dispersion and Mechanical Properties of Epoxy Nanocomposite Materials at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
82. N. Ravikiran, Balaji Padya, P.K. Jain, A. Krishnaiah, Ultra-thin 2D Carbon material as engine oil additive for studying anti-friction and anti-wear behavior at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
83. Zeradam Yeshiwas, A. Krishnaiah, A Systematic Quantitative Review of the Effect of Process Parameters in Single Point Incremental Sheet Forming at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018

Prof P Usha Sri

84. N. Leela Prasad, P. Usha Sri, K. Vizayakumar, Life Cycle Assessment of a Wind based Electric Power Generation System: An Indian Perspective at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
85. Ch. Indira priyadarsini, Dr. M.V.S. Murali Krishna and Dr. P. Usha Sri, "Thermal and Structural Analysis of Four Stroke SI Engine Combustion Chamber", 2nd International Conference on Innovative Trends in Engineering, Applied Science and Management (ICITEASM-2018) organized at Osmania University Centre for International Programmes, Osmania University Campus, Hyderabad, Telangana, India on 20th May 2018, ISBN: 978-93-87433-24-3
86. N. Leela Prasad, P. Usha Sri, K. Vizayakumar, Life Cycle Assessment of a Wind based Electric Power Generation System: An Indian perspective, National Conference on Advances in Mechanical Engineering and Nanotechnology (NCAMENT2018), 29-30 June, 2018, MED, University College of Engineering, Osmania University, Hyderabad, TS

Prof P Laxminarayana

87. Gayathri Nannapaneni, P Laxminarayana Role of production in SCM-key aspects at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
88. P.Chaitanya Krishna Chowdary, P.Laxminarayana, N.Nagabhushana Ramesh Comparative Characteristics Of Electro Discharge Machining And Micro Electro Discharge Drilling at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
89. "Study of volume deficit in Aluminium alloy casting" Liquid Metal Processing and Casting Conference (LMPC 2017), during September 10–13, 2017, Hyatt at The Bellevue, Philadelphia, Pennsylvania, USA .
90. "Tensile Behavior And Microstructural Characteristics Of Friction Stir Welded Butt Joints Of Titanium Alloys", Materials Science & Technology 2017 (MS&T-2017) Light Metals Alliance: Light Metals Technology 2017, during 8-12, October, 2017, at David L Lawrence Convention Center, Pittsburgh, PA, USA .

Prof Sriram Venkatesh

91. Bttula Narayana, Sriram Venkatesh Experimental Study on Parametric optimization for a selective Laser Sintering (SLS) Prototype Processing at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
92. Prof. Sriram Venkatesh presented a paper on Selective Laser Sintering : A Quality Prototype building process at 1st International conference on Innovations in Mechanical Engineering.
93. Prof. Sriram Venkatesh presented a paper titled Laser speed effect on quality prototype fabrication operation : selective laser sintering .” In International conference on new frontiers of engineers science management and humanities.

Prof P Ramesh Babu

94. Hari Kumar Andem, P. Ramesh Babu Tribological Behaviour Of Alumina As A Lubricant Additive at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT- 2018) during 29th-30th, June, 2018
95. K.Ramaswamy, P.Ramesh Babu Delamination Analysis and Experimental validation of Compression loaded Composite cylinder for composite pressure vessel at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018

Prof R Rajendra

96. Rega Rajendra , Goitom Tesfaye, Adaptive sampling strategy of Free-form Surface Using CMM. International conference on advanced materials and manufacturing 2016(ICAMM-2016), Hyderabad, India.(Presented and Published e-ISBN: 978-93-86256-19-5)
97. RegaRajendra ,Goitom Tesfaye, Sampling strategy of Free-form using Coordinate measuring machine surface, Indian Society of Mechanical Engineers (ISME) 2017, NIT Warangal, India. (Presented)
98. Rega Rajendra , Goitom Tesfaye, , Contour Based Adaptive Sampling Strategy of Free-form surface using CMM, Proceeding of COPEN10 2017, IIT Madras Chennai, 915-918. (Presented and Published ISBN: 978-93-80689-28-9.)

Dr V Uma Maheshwar

99. Dr. V. Uma Maheshwar, Y.Vijrumbana Analysis Of Key Design Parameters Of A Pure Scramjet Engine To Reduce Its Starting Mach Number at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
100. Dr. V. Uma Maheshwar, Moogi Srinivasa Rao Comparative Study Of Structured And Unstructured Meshing Of Nozzle Model at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
101. Dr. V. Uma Maheshwar, Pavan Mummadi Computational Study Of Savonius Vertical Axis Wind Turbine For Different Overlap Ratios at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
102. Dr. V. Uma Maheshwar, R.V.S.S.R.Pavana Kumar Computational Study Of Two Phase Flow And Heat Transfer In Helical Pipes at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018

Prof K Saraswathamma

103. B. Swathi, M. Sangeetha, K Saraswathammam Experimental study on effect of process parameters of wire EDM on maraging steels using plain brass wire at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
104. S. Swethabhagirathi, Kasturi Mithun, K. Saraswathamma Effect of post weld heat treatment soaking time on mechanical properties of TIG welded grade 91 steel at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
105. K.L.Uday Kiran, K.Saraswathamma, A.M.K.Prasad, G.Chandra Mohan Reddy Prediction of angular error and surface roughness in wire-EDM taper cutting of AISI D2 tool steel at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
106. KL Uday Kiran, Thallapalli Nagaveni, Konapalli Saraswathamma, AMK Prasad, G Chandra Mohan Reddy, "Multi-objective optimization of WEDM process parameters for taper cutting of AISI D2 tool steel" International Conference on Recent Trends in Engineering & Sciences (ICRTES-2018), 20-21 February 2018

Prof Narsimhulu Sanke

107. Saidulu pagidipalli, Narsimhulu Sanke, The Effect on Environment with the use of Alternate Fuels at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT- 2018) during 29th-30th, June, 2018
108. Hadeel Raheem Jasim, Narsimhulu Sanke, Heat transfer simulation of gas turbine blade with film cooling at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
109. Ravi Gugulothu, Narsimhulu Sanke, Naga Sarada Somanchi, Vijaya Kumar Reddy K A Review on Baffles in Shell and Tube Heat Exchangers, at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
110. Kalid Muleta, Narsimhulu Sanke, Design and Simulation of Solar Air Heater for Continuous Coffee Drying at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
111. Ravi Gugulothu, Narsimhulu Sanke, AVSSKS Gupta, Ratna Kumari Jilugu, A Review on Helical Baffles for shell and tube heat exchangers at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
112. Ravi Gugulothu, Narsimhulu Sanke, Ratna Kumari Jilugu, Sri Rama Devi Rangisetty Numerical Investigation on Heat Transfer of Helical Baffles Shell and Tube Heat Exchanger at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018
113. R. Shukla N Sanke, presented paper titled “ Scrutinisation of discrepancy in nozzle throat diameter for supersonic aerospace vehicles” international conference on mathematical modeling and scientific computing (ICMMS), IIT Indore, 19-21 July 2018.

Dr L Siva Rama Krishna

114. L. Mahipal Reddy, L. Siva Rama Krishna, S. Sharath Kumar, P. Ravinder Reddy Estimation of Electrical Conductivity of ABS and PLA Based EDM Electrode Fabricated By Using FDM 3D-Printing Process at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018

- 115.E. Madhusudan Raju, L. Siva Rama Krishna, Mohamed Abbas, "control of end effector position of multi-link robots with link flexibility " at National Conference on "Large Scale Multi-disciplinary Systems of National Significance" - Trends & Challenges (LAMSYS-2018), April 20 th & 21 st 2018
- 116.L. Siva Rama Krishna Topology Optimization of Aircraft Bearing Bracket and Prototype Manufacturing Using Additive Manufacturing at National Conference on "Large Scale Multi-disciplinary Systems of National Significance" - Trends & Challenges (LAMSYS-2018), April 20 th & 21 st 2018
- 117.L.Siva Rama Krishna, Sandeep boddepalli, Sriram Venkatesh, "Topology Optimization of Aircraft Bearing Bracket and Prototype Manufacturing Using 3D Printing" National Conference "Large Scale Multidisciplinary Systems of National Significance Trends & Challenges" (LAMSYS 2018) organised by ISSE, SDC SHAR, ISRO in Association with Sathyabhama University, Chennai during 20-21, April 2018.
- 118.Madhusudan Raju, L Siva Rama Krishna, Mohamed Abbas ," Control Of End Effector Position of Multi-Link Robots With Link Flexibility", National Conference "Large Scale Multidisciplinary Systems of National Significance Trends & Challenges" (LAMSYS 2018) organised by ISSE, SDC SHAR, ISRO in Association with Sathyabhama University, Chennai during 20-21, April 2018.
- 119.E. Madhusudan Raju, L. Siva Rama Krishna, Mohamed Abbas,V. Nageswara Rao Control of Multi-Link Robots with Link Flexibility at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018

Mr. E Madhusudan Raju

- 120.E. Madhusudan Raju, S. Kavya , D. Jitesh Krishna, Srikrishna, Modeling and Analysis of Disc Brake mounted on axle of the Train at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018

Mr.U Ashok Kumar

- 121.V.Sampath, K.Eswaraiah, M.Ashok Kumar, Experimental investigation of process parameters of EDM on 17-4 PH steel using Taguchi method at national conference on advances in Mechanical Engineering And Nanotechnology (AMENT-2018) during 29th-30th, June, 2018

122. **Mr.U Ashok Kumar**, received the “Young Innovative Researcher in Mechanical Engineering award 2017” for the Best innovative Research work Presentation in micro hole machining by EDM process at Coimbatore International Conference 2017

FUTURE PLANS

1. To establish research center in Nano Technology
2. To start new P.G. course in Design of Mechanical Systems and Mechatronics



Variable Compression Engine test rig



Twin cylinder 4 stroke diesel engine test rig



Multi cylinder 4 stroke petrol engine test rig



Air Compressor Test Rig



Pin on Disk tester equipment in Metrology Lab



Subsonic wind tunnel testing in Thermal Lab



Participants of short term course on Engineering Research Methodology



Inaugural Ceremony of one day national seminar on Surface Coating Technologies



Inaugural ceremony & unveiling of Souvenir at MECHARENA-2018, a national level student tech fest

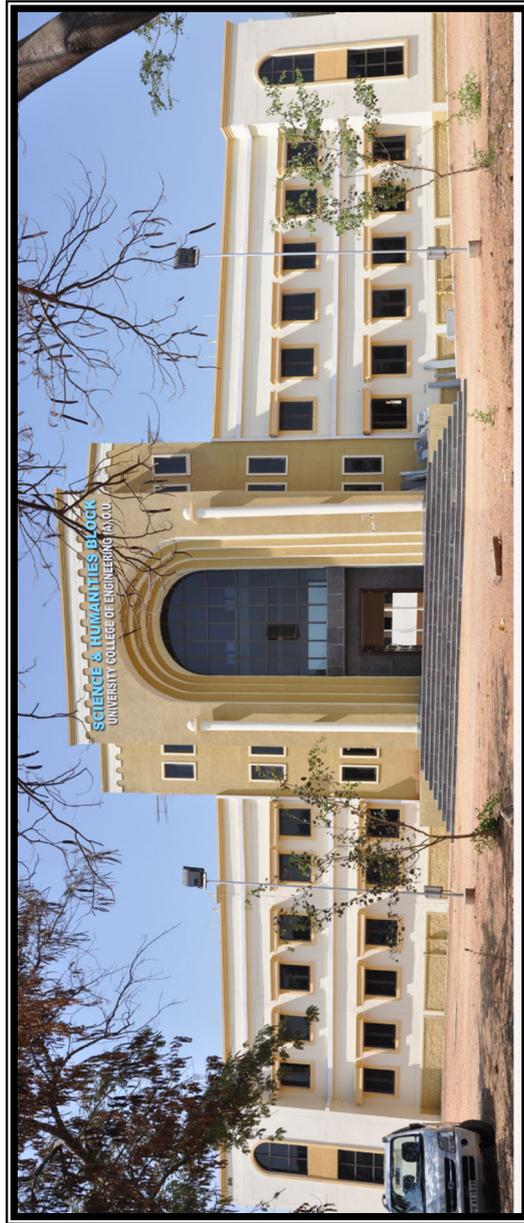


Inaugural ceremony & unveiling of Souvenir at National conference AMENT-2018



Student presentations to Chief Guest, Padmasree Gyana Gandhi in Mecharena-2018

Humanities & Science Building





Dr. Y. Rameshwar
Head, Department of Mathematics



Dr. N. Narsimlu
Head, Department of Physics



Prof. A. Panasa Reddy,
Head, Department of Chemistry



Dr. Saveen Suda
Head, Department of English



Dr. B. Sunil Kumar, HOD,
Head, Dept. of Physical Education.

DEPARTMENT OF CHEMISTRY

Phone No.: 040-27682381

Profile

The Department of Chemistry was established in the College of Engineering way back in 1961, to cater the needs of the students of Civil and Mechanical Engineering the oldest branches of Engineering in the field of Engineering Chemistry. In course of time, with addition of more branches to Engineering and the rapid development of the Material Science the scope and the role played by Chemistry has widened and increased. The Subject has come to stay as an essential part of Engineering Curriculum for all the branches of Engineering. The Department has purchased Atomic Absorption Spectroscopy under TEQIP Phase I.

Faculty Details

Faculty	Areas of Teaching and Research
	Physical Chemistry, Solid State Electrochemistry and Corrosion Science
Prof. A. Panasa Reddy, M.Sc., Ph.D. Head	
Dr. P. Jalapathi	Assistant Professor
Assistant Professors (contract)	
Mrs. V. Vani, Mrs. G. Sujata, Mrs. V. Sreedevi, Mrs. P. Reshma	

Research Activities

The faculty members, apart from their regular teaching, are also carrying out the research work and publishing regularly in national and international journals. The faculty members have published about 38 research papers. Prof. A. Panasa Reddy is actively involved in guiding Research work leading to Ph.D in the field of Solid State Electrochemistry.

Prof. A. Panasa Reddy has produced 30 publications in the field of Anodic Oxidation of Valve metals in the National and International Journals to his credit and presently eight scholars are pursuing their Ph.D programme under his supervision. Five of his students awarded Ph.D's degrees under his guidance.

Laboratories of Dept: 3 laboratories: Chemistry Lab-I, Chemistry Lab-II and one Research Lab.

Infrastructure:

The Department is having UV-Visible spectrophotometer, Atomic Absorption Spectrometer and four computers with printers. The Department also having seminar Library containing good number of reference books for the teaching staff related to Engineering Chemistry, Physical Chemistry, Organic Chemistry, Analytical Chemistry, Environmental Chemistry and Inorganic Chemistry

Guest Lecturers delivered by Faculty:

Prof. A. Panasa Reddy has delivered a popular lecture on Composite materials and Conducting Polymers at Vasavi College of Engineering, Hyderabad in the month of March 2016. .

DEPARTMENT OF MATHEMATICS**Ph.No: 040 – 27682208**

The Department of Mathematics has been integral part of the University College of Engineering since its inception in the year 1929. Mathematics is a basic analytical tool in all engineering subjects. The syllabus is designed so as to cater the needs of all engineering departments, both at undergraduate and postgraduate levels.

Faculty of the Department

Assistant Professors			
			
Dr. Y. Rameshwar Head	Dr. V. Naga Raju	Dr. K. Phaneendra	
Assistant Professors (Contract)			
			
Dr. P. Thirupathi	Mr. Rama Lingaiah Kadari		

FACULTY	RESEARCH SPECIALIZATION
Assistant Professors	
Dr. V. Naga Raju M.Sc., Ph.D.	Real Analysis
Dr. Y. Rameshwar, (Head) M.Sc., M.Phil., Ph.D.	Hydrodynamics and Hydromagnetic Stability, Ferrohydrodynamics Convection, Nonlinear Dynamical Systems, Perturbation Methods
Dr. K. Phaneendra M.Sc, B.ED., Ph.D.	Numerical Analysis, Numerical methods for a class of boundary layer problems
Assistant Professors (Contract)	
Dr. P. Thirupathi M.Sc., B.Ed., Ph.D.	Fourier Optics
Mr. Rama Lingaiah Kadari M.Sc., B.Ed, M.Phil.	Fluid Mechanics

Educational Programmes:

The Department offers four Mathematics papers to the students of all branches of engineering at U.G. level to provide sufficient background for better understanding of engineering subjects. The Department also offers Mathematics papers at P.G.level for M.E students. Keeping in view the changing needs of educational standards, the department reviews and revises the syllabus every four years.

Research Activities:

The staff members of the Department are actively engaged in research in the areas of Real Analysis, Hydrodynamic and Hydromagnetic Stability, Ferrohydrodynamics convection, Nonlinear Dynamical systems, Perturbation methods, Graph Theory and Computability, Fourier Optics and Fluid Mechanics. Some of the Staff members have published research papers in well-reputed International/National Journals, presented research papers and had given keynote addresses and invited talks in National conferences and seminars. The Department invites eminent Mathematicians to deliver guest lectures for the benefit of staff members and students. The Department of Mathematics is equipped with 5 computers with internet connection.

Work shops/Seminars/Training Programmes/FDP attended by Faculty**Workshop Organized:**

Dr.Y.Rameshwar:

Conferences/Training Programmes Attended:

1. Presented a paper “Topology of plane Layer Dynamors” in 2nd conference on Natural Dynamors, Valtice, Czech Republic, 25th June- 1st July 2017.

Publication:

Y.Rameshwar, Rawoof Sayeed, H.P.Rani and D.Laroze, “ *Finite Amplitude Cellular Convection under the Influence of a Vertical Magnetic Field*”, **114** (2017), 559-577 (**Impact Factor:3.54**),

Dr.Y. Rameshwar is guiding.

1. V.Anuradha (awarded, 2017)
Topic: Convection in a binary ferrofluid.
- 2.M.A. Rawoof Sayeed (awarded, 2018)
Topic: Mean flow effect in Rayleigh-Bernard and the rmohaline convection.

3. G. Srinivas (ongoing) and A.Krishna Rao (ongoing)

Dr.V.Naga Raju is guiding **four** research scholars.

Dr. K. Phaneendra

Research Publications

1. Solution of Singularly Perturbed Differential-Difference equations with mixed shifts using Galerkin method with exponential fitting, Chinese Journal of Mathematics, Vol. 2016, Article ID 1935853, 10 pages, <http://dx.doi.org/10.1155/2016/1935853>.
2. Non standard fitted finite difference method for singular perturbation problems using cubic spline, Global and Stochastic Analysis, Vol. 4 (1), 1-10, 2017.
3. Solution of two parameter singular perturbation problem using higher order compact numerical method, Global and Stochastic Analysis, Vol. 4 (2), 225-236, 2017.
4. Fourth order computational method for two parameters singularly perturbed boundary value problems using non polynomial spline- Accepted for publication in International Journal of Computing Science and Mathematics.

Recognitions :

1. Chaired a session on “Computational Methods, at at CONIAPS XX, 20th International Conference of International Academy of Physical Sciences on Recent Advances in Physical Sciences and Future Challenges”, July 14-16, 2017, Osmania University, Hyderabad.
2. Organizing Secretary for a two Day National Conference on “ Recent Advances of Mathematical Techniques in Science & Engineering”, 30-31 July 2017, Osmania University, Hyderabad.
3. One student has been awarded Ph.D. under the supervision of Dr. K. Phaneendra and 4 more students are working for their Ph.D.

Library:

The Department is having a Library with good number of books for the use of faculty and research scholars. Staff members are frequently attending conferences, seminars and workshops throughout the academic year and presenting papers, giving invited talks etc.

DEPARTMENT OF PHYSICS**Phone No. 040 - 27682378****Profile:**

The Department of Physics in University College of Engineering was established in the year 1929. In the beginning the classes were conducted in the premises of University College of Science in O.U. campus. In 1963 the Department was shifted to the University College of Engineering, O.U. Recently (Feb. 2012) It has been shifted to the newly constructed Science and Humanities Block of the college.

The ancient Greek Philosopher as well as teacher, Plato has quoted, "If a student is to learn effectively, the class room and surroundings should be pleasant". In tune with this quotation the premises of "*Science and Humanities Block*" has been made more pleasant by providing all the infrastructure facilities both in the class rooms and laboratories, so that the learning and imparting of knowledge becomes effective and efficient. Recently the building is equipped with 20 KVA Generator in order to cope up with the power disturbances.

The Department of Physics has consisting of three laboratories in tune with current syllabus to enrich the students in the experimental techniques. Latest experiments like *Solar Cell, Hall Effect, Laser, Fiber Optics, Dielectric Constant, Michelson Interferometer, Photo Cell and Electrical conductivity of semiconductors* (Four probe method) were introduced. The department has been initiating a constant and continuous assessment of the students in various aspects of experiments pertaining to their course.

To enhance the communication skills, it is made mandatory for each student to give two seminars on laboratory experiments in a year. The students are required to submit assignments, which are designed to inculcate the habit of critical thinking in them.

Research Facilities

Apart from this, there are Research facilities like, *X-Ray Diffractometer, Polarizing Microscope, Atomic Absorption Spectrometer, DC Electrical Conductivity setup, Hydraulic Press and LCR Meter*, which enable the faculty to enrich research work in the department.

The Department is actively engaging in conducting of National Seminars, In the eve of Centenary Celebrations of OU, A two day Technical Seminar on "Uses of Scientific & Technical Terminology in Hindi – Telugu in Science" held during 3rd & 4th May, 2017, which had been sponsored by *Commission for Scientific and Technical Terminology, MHRD, Govt. of India*.

The department had organized a four day meeting for preparation of “Fundamental Glossary of Physics (English-Hindi-Telugu) during 3rd to 6th Jan, 2017, under the aegis of CSTT, MHRD, Govt. of India

Faculty details:

Name of the Faculty	Research Areas/Specializations
Assistant Professors	
Dr. N.Narsimlu, Head M.Sc., B.Ed., Ph.D Post Doc (National Central University, Taiwan)	Polymers, Neutron scattering and Nano composites
Assistant Professors (Contract)	
Mrs. R. Swarna Latha M.Sc (Ph.D)	Opto- Electronics and Solid state Ionics
Mr. K. Krishna Murthy Goud M.Sc, B.Ed.(Ph.D)	Electronics & Communication and Luminescence
Dr. B. Ashok M.Sc, B.Ed., Ph.D.	Electronics & Communication and Polymer composites

Research Activities:

The faculty members are actively engaged in research work and publishing research papers, participated and presented papers in national and International conferences. The faculty members of this department have so far published about 80 research papers in various national and international Journals. One of the Assistant Professor (C) Mr. B.Ashok was awarded Ph.D during 2016-17 academic year.

Faculty of the Department

Assistant Professors	Assistant Professors (Contract)		
			
Dr. N.Narsimlu	Mrs. R. Swarna Latha	Mr. K. Krishna Murthy Goud	Dr. B. Ashok

DEPARTMENT OF ENGLISH

Phone: 040-27682201.

Profile

English is an integral part of the Engineering curriculum. It serves as a bridge between the students' years of formal study before joining Engineering and the professional life during and after Engineering that requires them to use English on a daily basis.

Objectives

1. To improve the student's fluency and accuracy in English as much as possible during the period of instruction.
2. To develop the student's ability to hone their existing skills by using effective communication strategies throughout the instruction.
3. To provide an orientation to reach the expectation of the university, the college and the faculty both inside and outside of the classroom.
4. To prepare students to become more confident and active participants in all aspects of their undergraduate programmes.

Faculty of the Department

Assistant Professor	Associate Professor	Assistant Professor (C)	
			
Dr. Saveen Souda	Dr. J. Savithri	Mrs. P. Suma Bindu	Dr. Lakshmi Mantha

FACULTY	RESEARCH SPECIALIZATION
Dr. Saveen Souda Head & Assistant Professor MA, PhD	Indian Writing in English, English Literature, American Literature and Dalit Studies.
Dr. J. Savithri Associate Professor M.Sc (Psychology), MA (English), PhD, PGDELT	English Language Teaching (ELT) Learner Strategies ESL Studies
Mrs. P. Suma Bindu Asst Professor (C) MA(Litt.), MA(Psy.), PGCTE., PGDELT	English Language Teaching (ELT) Soft Skills

Dr Lakshmi Mantha Asst Professor (C) M.A, M.Phil, PhD	English Language Teaching (ELT) Soft Skills Business Communication
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The faculty of English is highly skilled in motivating and inspiring language students. Using tried and tested methods, our faculty helps the students to achieve their potential during the course.

Research Activities

Dr. J. Savithri is guiding 8 PhD scholars

Laboratories of the Department

The Department is equipped with excellent learning facilities including a well-resourced computer aided multimedia language laboratory. In the language laboratory, the students are not only given training in conversational English with emphasis on current usage in natural situations for both academic and everyday usage of English but also in elements of English pronunciation like basic sounds, stress, intonation and rhythm patterns, which are very important to natural-sounding speech. It also includes training and practice in the presentation of prepared academic talks. The focus is not only on fluency but also on clear as well as effective communication. The course also helps students to participate actively and effectively in group meetings, academic discussions, seminars, conferences etc.

Infrastructure

Software

Sky Pronunciation ,Tense Buster , Connected Speech, Ease 1, Ease 2, Letter, faxes and e-mails, CALD, EPD

Hardware

1. Computer-aided Multimedia Language Laboratory with 40 computers
2. Communication Lab with LED Projector
3. Audio and Video Learning Resources

Library facilities

Reference books/Text books - 950

Dr. Saveen Souda

Attended / chaired session in Seminars / Conferences / Events (National & International)

1. Organised a two day National Seminar on Resistance and Rebellion – in Dalit and African –American Literature as Convener. From 12-04-2017 to 13-04-2017 at Dept. of English, OUPGCS sponsored by UGC – SERO and TSCHE
2. Participated in two day workshop on Workshop for Academic Administrators Organised by UGC, HRDC, O.U from 23-06-2017 to 24-06-2017
3. Chaired a session in 62nd All India English Teachers' Conference (AIETC) - Jan 18, -Jan20, 2018 held at OUCIP, Osmania University
4. Organised a one day Student Seminar on 'Exploring the contours of English Studies' on 21 April 2018 at Dept. of English, OUPGCS

Dr. J. Savithri

Publications:

1. 'The Role of Affective Strategies in Improving the Speaking Skills of the Second Language Learners of English', published in IJELLH, Vol. V, issue IX, September 2017.
2. 'Attitude of Secondary School Students towards Learning English', published in IJRHAL, Vol. 6, issue 2, February 2018.
3. 'Exploring Sensory Learning Style Preferences of Learners in a Certificate Course in English for Foreign Students', published in Language in India, Vol. 18, issue 3, March 2018.
4. 'Impact of English Textbook on the Government Secondary School Learners of Telangana State in Developing English Language Skills', published in IJELLH, Vol.6, issue 4, April 2018.

Papers Presented / Courses Attended:

- Presented a paper in the ELT@I – 4th Annual International Conference on 'Teaching English Language and Literature: Innovative Methods and Practices'.

Achievements:

1. Dr. J. Savithri presented papers at the University of Warwick, UK and visited Germany, Switzerland, France on invitations

Research Activities

- Dr. J. Savithri is guiding 8 PhD scholars

Award and Submission of PhD thesis:

1. Ms. G. Haritha is awarded a doctoral degree in June 2017 on the topic 'An Investigation into the Use of Macrostrategies by the Learners of English at the Tertiary Level in Rangareddy and Medak Districts'.
2. Ms. E. Elizabeth Kamala submitted her doctoral thesis in June 2017 on the topic 'Designing a Culture Specific English Syllabus for Engineering Students in Telangana State'.

Mrs. P Suma Bindu**Paper Presentations/Publications:**

1. Published a paper on "Mobile Aided English Language Teaching and Learning Through Apps for Foreign Students" in Innovative Methods and Materials in the Teaching of English: Reaching out to the Unreached, Pragma Publications, Hyderabad, 2017.

Dr Lakshmi Mantha**Paper Presentations/Publications:**

1. Published a paper on "Mobile Aided English Language Teaching and Learning Through Apps for Foreign Students" in Innovative Methods and Materials in the Teaching of English: Reaching out to the Unreached, Pragma Publications, Hyderabad, 2017.
2. Published a paper on "Management Education in India: Issues and Concerns" in University News, Vol. 56 No.20, May 14-20, 2018.

Books Published:

"Open Universities – Modern Educational Innovations" by Shipra Publications, 2017.

CENTRE FOR ENGLISH LANGUAGE TRAINING (CELT)

University College of Engineering, Osmania University
Hyderabad - 500 007, Tel : 7416 575 575 / 2768 2354,
Mobile: 965 285 6107, <http://uceou.edu/CELT/index.php>

Director: Dr.J.Savithri
MSc Psychology, MA English, PhD, PGDELT

The Centre for English Language Training (CELT) was established in 1997 in the Department of English, University College of Engineering, Osmania University. It is a premier institution offering excellent training in English Language Skills, Communication Skills and Personality Development to professionals, students, job seekers and housewives. The Centre has conducted more than 349 batches of training so far.

The chief features of CELT include expert and dedicated facilitators, spacious classrooms with conducive ambience, infrastructure and a state-of-the-art Computer-assisted Language Laboratory. It also uses aids like video cameras and LCD projectors for imparting requisite skills and knowledge to its participants.

The methodology of teaching at the Centre is interactive and learner-centred. The facilitators keep the participants' needs in mind and use a wide variety of topics and activities in imparting requisite skills. The Centre is learner-friendly and interactive atmosphere helps the participants in achieving a clear, confident communication and a dynamic personality.

Certificate

Participants will be awarded a certificate on successful completion of the course.

Facilities

- State-of-the art language laboratory
- Spacious and well-equipped classrooms
- Movable furniture for various team activities
- Gadgets like Home Theatre and LCD projector

Language Laboratory

CELT has a well-equipped Language Laboratory, which helps learners to gain plenty of practice in Listening, Speaking, Reading and Writing. Lab sessions are an effective way of reinforcing the theoretical inputs learners gain in the sessions. The lab operates in an interactive way. The students are guided by the teachers, when they practise various aspects of the language on the Desktop systems. The teacher can even monitor the students' work

anytime he/she wishes to do so. This feature makes it convenient for both the teacher and the taught to speed up the process of learning.

Courses Offered

The Courses offered at the CELT aim at:

- Training participants improve their English language skills, refine their communication ability and fine-tune their personality
- Enabling the participants to express themselves clearly and confidently in various situations.
- Using a wide variety of approaches and activities to enable participants to achieve a clear communication and dynamic personality which is a prerequisite for personal and professional success in today's life.

The following are the Courses offered at the CELT:

i) A Course in English Communication Skills and Personality Development

Course Fee : Rs.4000/-
Course Duration : 2 Months (inclusive of all holidays)
Timings : Morning batch: 6.00 am to 8.00 am
Evening batch: 6.00 pm to 8.00 pm

ii) One Month Course in English Communication Skills and Personality Development for School Students (8th, 9th and 10th)

Course Fee : Rs.2000/-
Course Duration : 1 Month (inclusive of all holidays)

iii) One Month Bridge Course in English Communication Skills and Personality Development for Intermediate Students

Course Fee : Rs.2000/-
Course Duration : 1 Month (inclusive of all holidays)

The following are the course components of the above courses:

- Effective Communication
- Verbal and Nonverbal communication
- Listening and Pronunciation Skills
- Grammar and Vocabulary
- Debates and Group Discussions
- Presentation Skills
- Interpersonal Communication
- Public Speaking

- Writing Skills: Letters, Applications, Resume and E-mail Etiquette
- JAM sessions and Interview Skills
- Role-play
- Soft Skills
- Personality Development

iv) A Certificate Course in English for Foreign Students (CCEFS)

The course aims at helping and training the foreign participants to refine their grammar, vocabulary, communication skills and fine-tune their personality. As clear communication and dynamic personality have become prerequisites in this globalized world the foreign participants crave to learn English for personal and professional enrichment and would like to refine their skills which are prerequisites for success in today's fast paced life.

Students from different parts of the world apply in advance and join the course. Once, they successfully complete the course, they switch to their major. Thus, the course is helpful to most of the foreign students in pursuing their higher studies and preferred careers.

It is a ten month course. As a result, the participants can have enough time to improve their language and communication abilities. They are given certificates after the successful completion of the course.

Course Components

- Communicative English
- Listening
- Vocabulary
- Grammar
- Reading
- Writing

Duration: 10 months, 4 hrs a day, 5 days a week (Monday to Friday)

v) An Intensive Certificate Course on Communication Skills in English for Foreign Students

It is a three month course which aims at training foreign participants to refine their grammar, vocabulary, communication skills and finetune their personality.

This course is helpful to them in pursuing their higher studies and preferred careers in India and abroad. They are given certificates after the successful completion of the course.

Course Components

- Communicative English
- Listening
- Vocabulary
- Grammar
- Reading
- Writing

Duration: 3 months, 2 hrs a day, 5 days a week (Monday to Friday)

vi) A Three day Workshop for Teachers on ‘Enhancing Professional and Instructional Skills’

The course aims at improving teaching skills of the teachers so as to perform better in their classrooms.

Course Components

- Communication and its importance
- Body Language
- Pronunciation and its importance in classroom
- Types of Communication
- Effective Teaching
- Time Management
- Stress Management
- Interpersonal Relations & Strokes
- Proactive Language
- Team Work
- Leadership
- Hard Work v/s Smart Work
- Mind Mapping
- Mnemonics

Facilitators

Dr. J. Savithri, MSc., M.A., Ph.D.
 Dr. B.B. Chary, M.A., Ph.D
 Dr. Lakshmi Mantha, M.A., Ph.D
 Ms. P. Suma Bindu, M.A. English
 Ms. G.B. Kadambari Devi, M.A. (English)
 Ms. Karuna Laishram, MA(English), MPhil.

Facilitators



Guest Faculty:

Mr. Yandamoori Veerendranath – Renowned Personality Development trainer
 Dr. B. V. Pattabhiram – Renowned Psychologists & Personality Development trainer
 Dr. V. Nagesh – Renowned Psychologists & Development trainer
 Mr. Y. Mallikarjuna Rao – Renowned Handwriting specialist
 Dr. B. V. Satya Nagesh – Renowned Psychologists & Personality Development trainer

DEPARTMENT OF PHYSICAL EDUCATION

The Department of Physical Education is providing facilities for indoor games viz., Table Tennis, Caroms and Chess. The College has developed a Sports Complex in which a multipurpose playing field has been developed behind the SBH, Engineering College Extension Counter to organize games and sports such as Cricket, Football and Athletics, besides creating facilities for Swimming, Volley ball, Badminton Tennikoit, Ball Badminton etc., to our College students.

The College has Basket Ball Court near the Hostels of the Sports Complex and Gymnasium Hall in the Main Building of the College. The Department selects players to represent College in the Inter-College Tournaments (Men and Women) organized by Osmania University in various disciplines and the required material, uniforms and refreshments are provided to participants. Apart from fielding teams for participation in Inter College Tournaments, the Physical Education Department sends talented players to attend coaching camps conducted by the Dept. of Physical Education, Osmania University in various disciplines, from which selected players will be representing the Inter-University Tournaments.

A Sports Council co-ordinates activities and conducts sports, functions of the college. As part of the Annual Sports Day function the Physical Education Department conducts inter-faculty matches for Indoor and outdoor Games such as Cricket, Basketball, Ball badminton, Volley ball, Tennikoit and Athletics. These matches are organised separately for all the undergraduate and postgraduate students (Men & Women). Prizes and Certificates to the winners and runners-up in the inter faculty matches are distributed on the Annual Sports Day function.



Prof. B. Sunil Kumar, HOD,
Dept. of Physical Education.
Director, Dept. of Physical Education
& Secretary, ICT (W), OU.

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Phone Nos: 091-040-27095190, 27682380

Engineering Career is presently the most sought after Career as the World economy is opening out new avenues of Engineering applications which demands a huge Technical Manpower. Osmania University Engineering College (OUCE) established in 1929 as the Sixth Engineering College in British India has been the torch bearer in supplying Quality Engineers/ Technocrats thereby contributing to the technology progression not just in India but the World over. The Alumni of the College are spread in all corners of the world winning accolades wherever they are.

Placement & Training Office, University College of Engineering, Osmania University provides a window of opportunities to the Students over a wide variety of Careers in a broad spectrum of Industries/Organisations in India and Abroad. It serves as a Single point of Contact for the Organisations on various Industry-Institute Initiatives. It offers career opportunities to the college students in premier private and public sector organizations apart from Internship Offers. The Placement Officer acts as single point of contact for all companies/ organizations interacting with the College on Placement and Training of Students. Some Faculty Training Programmes are also organized in collaboration with industry experts. Most of the Companies (Core & I.T.) visit the college throughout the Final year of students' graduation for on campus recruitments. Some of the recruiting companies also offer Summer Internships to Pre Final Year Students.

In INDIA, the college is Ranked 14 by India Today based on the score of Placements as recorded by the Global Human Resource Development Centre (GHRDC), a research based organization. University College of Engineering, Osmania University is the first Engineering College to get ISO 9001 Certification in erstwhile state of AP. The college is ranked ahead of most of NIT'S (as reported by India Today, Outlook, Career 360 & Dataquest).

Placement and Training Office is Headed by a Senior Faculty of the college with industrial experience. Dr. V. Uma Maheshwar, Faculty of Mechanical Engineering with five years of Corporate R&D Industrial exposure and Twenty One Years of Academic expertise is heading the Placement and Training Office, for the past 13 years, which is a record in itself. The Placement Officer maintains liaison with various industries / Organizations and the institutions. These organizations are invited to the institution for Campus Recruitment Programme (CRP) and Internship Selections so that the student's get career offers before they graduate from the college. Prominent Organizations that have been visiting the college in recent years include Maruti Suzuki India Ltd, Tata Projects Ltd., Mahindra &

Mahindra Ltd., FIAT India Ltd, Hyundai R & D, Ashok Leyland, L&T Constructions, Punj Lloyd, ACC Limited, BALCO, GMMCO, Medha Servo Drives, BEML, Tata Consulting Engineers, Tata Elxsi, Bhagyanagar Gas Ltd., Accenture, TCS, Cognizant, Wipro Limited, Infosys, Capgemini, Uurmai Systems Ltd, Tech Mahindra, Google India, Microsoft, Yahoo!, De Shaw, Amazon India, ORACLE, CSC, ADP, Commvault, Pega systems, Thomson Reuters, Netcracker, Capital IQ, Deloitte, Cybage Software, IGATE Patni, Persistent Systems, Mathworks, Verizon, M&M EPC, Apps Associates, Broadridge, Sonata Software, Birlasoft, BEL, BEML, Cyient, Virtusa, Computer Associates, Hexagon Capability center(Intergraph), Gammon India, Nagarjuna Constructions, Samtel, Xilinx, Salesforce, Servicenow, Shoretel, Wellsfargo, NCR, AMD, Ion Trading, K&S Partners, Progress Software, Zoho, CK Birla, Aurobindopharma, Atlas Copco, ArcServe, Schneider electric and Futures First etc.

The college provides the best learning atmosphere to the students with expert faculty supported with modern infrastructure and updated curriculum to suit industry requirements. The students admitted to the College are the top rankers from TSEAMCET. Hence they are the most sought after students for recruitments by prestigious organizations which visit the campus regularly. Further, the dream job concept practiced by the placement office provides opportunity to single job holders/students to attend interview of one more organization identified as Dream Company of their choice. Thus any student can have maximum two jobs on hand by the time he graduates. The dream job provision attracts various premium organizations at any point of time during the academic year.

The Performance of students has been commendable and placement record reveals the testimony of their performance. During the Global Economy Slow down year 2010-11, the placements have touched a historic maximum figure of 728 job offers for College Students, in contrast to Downtrend observed during that Year in Placements at Top Institutes like IITs and IIMs.

The Placement Office located in the basement of Technology Development Centre of the college provides the Visiting Organisations with the best infrastructure like Auditoriums for Pre Placement Talks, GD rooms, Interview rooms and Audio Visual equipments etc.,

The Placement office selects a team of Student Placement Office Coordinators (POCs) from all Years of BE , ME/ MTech & MCA Courses which is an elite student group in the College which organizes many events for the College students apart from coordinating campus recruitment programmes.

Placements for the Graduating Batch of 2018 for Academic Year 2017-18 .

For Batch of 2018, the Campus Hiring Job Offers Figures touched 385 by end of eighth semester of 2017-18 academic year. Accenture, Infosys & Capgemini sharing the Premium company slot have offered Jobs to the students during Premium Company Recruitment Drive (PCRD) organized by the Placement Office, OUCE during September 07-14, 2017. The job offers made by companies during PCRD are as follows: Accenture = 135, Infosys = 102 & Capgemini = 23. The maximum pay offered was Rs 29.5 Lakhs/Annum by DE Shaw & Company, the average pay package for the batch of 2018 was Rs 6.4 Lakhs/Annum.

Placement Office organized a Placement Workshop (Samanvaya) for Pre-final Year Students of BE/ME (All Branches) & MCA of OUCE during February 17 – 25, 2018 with an aim to assess the preparedness of students for the upcoming placement season and give inputs on how to prepare effectively for Campus hiring process.

Placement Office Organized an industry visit of about 250 number Prefinal Year students to Infosys, Pocharam Campus on August 19, 2017. The event is an academia interaction program named “SPARK” by Infosys in which HR managers of Infosys interacted with students at Hyderabad SEZ Development center to give students a first-hand flavor of the exciting work IT Companies do. It also provided students an opportunity to experience the Infosys eco-system, culture & value proposition to know what it’s like to be an “Infoscion”.

Placements for the Graduating Batch of 2019 for Academic Year 2018-19

For Batch of 2019, the Campus Hiring Season began in July 2018 and Job Offers Figures touched 299 by end of October, 2018. Infosys & Capgemini shared the Premium company slot during Premium Company Recruitment Drive (PCRD) organized by the Placement Office, OUCE during September 2018. The job offers made by several companies during the first Semester of academic year 2018-19 are as follows: Infosys= 107, Accenture = 49, Capgemini = 38, TCS(IT Services Job Profile)=25, Thomson Reators=14, Deloitte=11, Wipro (Turbo Job Profile) =10, TCS(Digital Job Profile)=2, Infosys= 107 (Power Programmer /Specialist-Systems Engineer)=9, Maruti Suzuki =7, ORACLE=8, JP Morgan=6 and TECHNIP FMC=3.

Osmania University Organised Centenary Year Celebrations from April 2017 to April 2018. And Dr. V Uma Maheshwar, Placement Officer, OUCE played a key role as the Coordinator for the Osmania University Centenary Celebrations. Dr. V Uma Maheshwar was appointed as the Convener for the Osmania University CSR Coordination Committee and as Member of Finance and Inaugural Programme Committees of Centenary Celebrations. Many Companies CEOs, Directors, HR Managers and Industry Officials

were invited by the Placement Officer who readily accepted and took part in Several events of the Year long Osmania University Centenary Celebrations.

Placement Office Organized a a Technology day event by JP Morgan Company at CSE Dept on April 1, 2017 for BE/B.Tech (3rd & 4th Year) and M.Tech/MCA (2nd Year & 3rd Year). Placement Office Organized a Tech Talk session by CA Technologies on Topics of Lean IT, Data Analytics and User Experience(UX) on January 23, 2018 at CSE Dept for the Faculty and Students of the Dept. Mr . Prasad Purushothaman, Director, Strategy and Technology Office conducted the session along with a team of 6 Officials from CA. Placement Office Organized an Industry visit for nominated Faculty members of CSE and nominated Students of Final Year CSE/ECE&EEE to CapGemini Organsiation for Capgemini's technology event Tech Fiesta 2018 at their Hyderabad campus on June 14, 2018.

The Placement Office has launched Online Aptitude and Softskills Training Courses launched on March 24, 2018 for the Under Graduate, Post Graduate Students and Research Scholars of OUCE. The courses are fully sponsored by the Alumni Association,OUCE and are offered for FREE to all the students of OU University Engineering College to help them learn the key skills that matter. Prof. S. Ramachandram graced the event as the Chief Guest and Distinguished Alumni Sri G. Yoganand was the Guest Honour. The event was presided by Prof. S. Sameen Fatima and organised by Dr. D. Vijay Kumar, General Secretary, Alumni Association, UCE. The online access to the Training courses will be beneficial for the students and will significantly help students improve their employability skills with a powerful combination of courses and tests that adjust according to the aptitude of the students. Students can make complete use of the free training imparted to succeed in their Company Placement Selections/higher education efforts.

Ample opportunities are being provided by the Placement Office to the students on Placements & Internships front. It is the responsibility of the students to prepare themselves in time to meet the requirements of the recruiting companies and make good use of the offers coming their way at the doorstep of the College. It is a fact that Pre Final and Final Year students of all courses consider Placement Office as their second home where they are given enough resources and freedom to utilize them at their convenience to enhance their technical and management skills, and improve their overall personality to make them corporate ready!

Placement & Training Officer:

Dr. V. Uma Maheshwar,

Associate Professor, Dept of Mechanical Engineering

Assistant to Placement Officer: Mr. Ch. Shiva Kumar

Office Location: Basement, Technology Development Centre, Adjacent to Diamond Jubilee Library, University College of Engineering, OU



PLACEMENT & TRAINING OFFICE

UNIVERSITY COLLEGE OF ENGINEERING (A), OSMANIA UNIVERSITY, HYDERABAD - 500 007
CAMPUS PLACEMENTS 2017-2018, Statement of Job Offers Received

S No	Company	CRP Dates	BE/UG						Total Offers for UG	ME/PG						Total Offers for PG	Overall UG+PG Total Offers	
			BME	CIVIL	CSE	ECE	EEE	Mec		MCA	BME	Civil	ECE	EEE	Mec			CSE
1	Thomson Reuters	July 24 2017	-	-	-	-	-	-	0	-	-	-	-	-	-	16	16	16
2	JP Morgan (Code for Good)	July 25 2017	-	-	7	-	-	-	7	-	-	-	-	-	-	0	7	7
3	DE Shaw	July 28 2017	-	-	2	-	-	-	2	-	-	-	-	-	-	0	2	2
4	ITC (ABD)	Aug 4 & Sept 16 2017	-	-	-	-	-	1	1	-	-	-	-	-	-	0	1	1
5	Cavium Networks	August 4 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Wellsfargo	August 9 & 10 2017	-	-	9	-	-	-	9	-	-	-	-	-	-	0	9	9
7	CA Technologies	August 9 & 11 2017	-	-	2	-	-	-	2	-	-	-	-	-	0	0	2	2
8	Philips	August 21 2017	-	-	0	-	-	-	0	-	-	-	-	-	0	0	0	0
9	Maruti Suzuki	August 26 & Oct 25 2017	-	-	-	-	-	7	7	-	-	-	-	3	-	3	10	10
10	Pega Systems	August 29 2017	-	-	3	6	-	-	9	-	-	-	-	-	-	0	9	9
11	Wipro Limited (Turbo)	Aug 31 & Sept 1 2017	-	-	8	2	-	-	10	-	-	-	-	-	0	0	10	10
12	Infosys		7	8	16	19	14	15	79	-	-	-	2	-	2	4	8	87
13	Accenture	PCRD Sept 7-14 2017	9	17	19	17	27	20	109	3	-	-	-	-	-	3	112	112
14	Capgemini		0	1	7	5	2	4	19	-	-	-	-	-	-	0	19	19
15	Deloitte	Sept 18 & 22 2017	-	-	2	-	-	-	2	-	-	-	-	-	-	0	2	2
16	NCR	Sept 21 & Oct 3 2017	-	-	2	1	-	-	3	-	-	-	-	-	-	0	3	3
17	L & T (Construction)	Oct 4 & 5 2017	-	14	-	-	2	0	16	-	-	0	-	0	0	0	16	16
18	Service Now	Oct 6 2017	-	-	2	-	-	-	2	-	-	-	-	-	-	0	2	2
19	JP Morgan (For PG)	Oct 4 & 9 2017	-	-	-	-	-	-	0	-	-	-	-	-	2	2	2	2
20	Mathworks	Oct 16 & 17 2017	-	-	2	9	-	-	11	-	-	-	1	-	-	1	12	12



S No	Company	CRP Dates	BE/UG						Total Offers for UG	ME/PG						Total Offers for PG	Overall UG+PG Total Offers	
			BME	CIVIL	CSE	ECE	EEE	Mec		MCA	BME	Civil	ECE	EEE	Mec			CSE
21	ITD - Badrachalam	Nov 3 & 13 2017	-	-	-	-	1	2	3	-	-	-	-	-	-	-	0	3
22	Finisar	Dec 8 2017	-	-	-	-	-	0	0	-	-	-	-	-	-	-	0	0
23	Arcserve	Jan 2 2018	-	-	1	-	-	-	1	-	-	-	-	-	2	-	2	3
24	ADP	Jan 18 2018	-	-	1	-	-	-	1	-	-	-	-	-	-	-	0	1
25	Medha Servo Drives	Jan 27 2018	-	-	-	0	0	0	0	-	-	-	-	-	-	-	0	0
26	Cyient	Jan 19 & 29 2018	-	-	-	-	-	6	6	-	-	-	-	6	-	-	6	12
27	Capgemini (Core for BME)	Jan 22 2018	1	-	-	-	-	-	1	-	-	-	-	-	-	-	0	1
28	Fiat	Jan 14 2018	-	-	-	1	-	1	2	-	-	-	-	-	-	-	0	2
29	Satyam Ventures	Jan 30 2018	-	-	-	-	-	2	2	-	-	-	-	2	-	-	2	4
30	Tata Projects Ltd	Jan 31 2018	-	7	-	-	2	3	12	-	-	-	-	-	-	-	0	12
31	ZOHO	Jan 31 2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Oracle (Application Dev)	Feb 5 2018	-	-	4	1	1	-	6	-	-	-	0	0	-	0	0	6
33	Raam Group	Feb 15 2018	0	0	0	0	0	0	0	-	-	-	-	-	-	-	0	0
34	CADFEM	Feb 19 2018	-	-	-	-	-	-	0	-	-	-	-	-	-	-	0	0
35	NetCracker	March 20 2018	-	0	0	0	-	-	0	-	-	-	-	-	-	-	0	0
36	ICS	March 21 2018	-	-	-	2	-	-	2	-	-	-	-	-	-	-	0	2
37	Fintech	April 3 2018	-	-	-	-	-	2	2	-	-	-	-	-	-	-	0	2
38	Dolcera	May 9 2018	-	-	1	1	-	-	2	-	-	-	-	-	-	-	0	2
39	Aurobindo	May 19 2018	-	-	-	-	-	2	2	-	-	-	-	-	-	-	0	2
40	Oracle (CGBU- developer)	May 25 2018	-	-	2	3	-	-	5	-	-	-	-	-	4	-	4	9
41	Infor	June 2 2018	-	-	2	1	-	-	3	-	-	-	-	-	-	-	0	3
	GRAND TOTAL		17	47	92	68	49	65	338	3	0	0	3	0	13	28	47	385



CAMPUS PLACEMENTS 2018-2019, Statement of Job Offers Received as on 31 AUG 2018

S No	Company	CRP Dates	BE/UG						Total Offers for UG	ME/PG						Total Offers for PG	Overall UG+PG Total Offers		
			BME	CIVIL	CSE	ECE	EEE	Mech		MCA	BME	Civil	ECE	EEE	Mech			CSE	
1	Sabre	July 16 & 17, 2018	-	-	4	0	0	-	4	-	-	-	-	-	-	-	0	4	
2	Deloitte	July 20 & 23, 2018	-	-	5	2	1	-	7	1	-	-	-	-	-	3	4	11	
3	Mathworks	July 24 & 25, 2018	-	-	1	2	-	-	3	-	-	-	0	0	-	0	0	3	
4	Service Now	July 27 2018	-	-	1	-	-	-	1	-	-	-	-	-	-	-	0	1	
5	JP Morgan	July 28 2018	-	-	5	1	-	-	6	-	-	-	-	-	-	-	0	6	
7	Thomson Reuters	August 8 2018	-	-	-	-	-	-	0	-	-	-	-	-	-	14	14	14	
9	NCR	August 10 & 17 2018	-	-	6	1	-	-	7	-	-	-	-	-	-	-	0	7	
10	Oracle India	August 18 & 20 2018	-	-	5	2	1	-	8	-	-	-	0	0	-	0	0	8	
11	Wipro Turbo	August 31 & Sept 1, 2018	2		4	2		2	10								0	10	
12	Maruti Suzuki	August 24 2018	-	-	-	-	-	3	3						4		4	7	
14	Infosys	Sep 07-20, 2018 (PCRD)	10	12	12	7	19	12	72	1	0	0	2	1	3	4	11	83	
15	Capgemini		6	9	8	4	7	4	38	-	-	-	-	-	-	-	0	38	
16	TCS		2	3	6	3	6	5	25	0	0	0	0	0	0	0	0	0	25
17	Accenture		-	-	12	9	24	-	45	4	-	-	-	-	-	-	4	49	
18	Byju's	Sept 17 2018	-	-	1	-	-	-	1	-	-	-	-	-	-	-	0	1	
20	TCS (Digital)	Sep -Oct 2018			2				2	0	0	0	0	0	0	0	0	2	
21	Infosys (Power Programmer/Specialist-	Sep -Oct 2018			9				9	-	-	-	-	-	-	-	0	9	



	Systems Engineer)																		
22	Wellsfargo	Sept 22 & 24 2018	-	0	1	3	2	1	7	-	-	-	-	-	-	-	-	0	7
23	Merilytics	Sept 26 2018	-	0	0	0	0	2	2	-	-	-	-	-	-	-	-	0	2
24	Technip FMC	Sept 27 2018	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	0	3
26	AMD(Co-Op Engineer" role) through MoU	Oct-18							0				8					8	8
27	Medha Servo Drives	Oct 11 2018	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	0	1
	GRAND TOTAL		20	24	82	37	60	32	254	6	0	0	10	1	7	21	45	299	





CURRICULUM DEVELOPMENT, AUDIT AND ACCREDITATION CELL (CDAAC)

The office of the CDAAC is responsible for all academic matters relating to both undergraduate and post graduate students of the University College of Engineering (A). On a continuous basis, the CDAAC office takes measures to enhance academic standards and quality of higher education. This includes in tune with the requirements innovation and improvements in curriculum, teaching-learning process, examination & evaluation systems and remedial teaching.

The college has adopted the Choice Based Credit System (CBCS) as per the guidelines given by national bodies like UGC, AICTE, from the academic year 2015-2016. The CBCS provides flexibility in designing curriculum and assigning credits based on the course content and hours of teaching. It provides a cafeteria type approach in which the students can take courses of their choice, undergo additional courses and acquire more credits, and adopt an interdisciplinary approach to learning.

Further, the college has been working on internal quality assurance by initiating academic audit of the evaluation and assessment process. The CDAAC office also enables seeking accreditation from National Board of Accreditation, New Delhi. Currently, the college has NBA accreditation for its undergraduate and post graduate programmes which demonstrate our commitment to excellence and continuous quality improvement.

Director:
Prof. P. V. N. Prasad,
Department of Electrical Engineering, UCE

DIAMOND JUBILEE LIBRARY
UNIVERSITY COLLEGE OF ENGINEERING

Phone: 040- 27682339 Fax: 040- 27095179

INFRASTRUCTURE:

- The Library is housed in a spacious double storied building with a plinth area of about 2420 square meters.
- Built on the occasion of the Diamond Jubilee of the College of Engineering in 1992.

DIGITAL LIBRARY:

- About 40 systems have been installed to access the following online journals.
- IEL ONLINE
- ASCE
- ASME
- ACM

LEARNING RESOURCE CENTRE:

- On the lines of Advanced Educational Centres like IIT'S the University College of Engineering has established a Learning Resource Centre.
- About 2372 CDs/DVDs acquired from IIT's, SOFTTECH and SONET & NPTEL

LIBRARY COLLECTION:

At present the library has collection of books and current journals and back volumes as detailed below:

TYPE	TOTAL
BOOKS	
Books (UG & PG)	86367
SC/ST	8167
GIFT	5028
TEQIP	2186
Total Books	101748
No. of Titles	3500
JOURNALS	
e- Journals	175
Bound Volumes (Journals)	6295
Magazines	07

FINANCIAL RESOURCES:

Library has budgetary provision under

- University Normal Budget
- Non-University Fund of the College
- Technical Education Quality Improvement Programme (TEQIP)

WORKING HOURS OF THE LIBRARY:

- The Library is kept open on all working days from 9:00 A.M to 9:00 P.M
- Reading Room kept open from 9:00 A.M to 12 Midnight ahead of as well as during university examination and other competitive exams.

Director : Prof. M. Malini, **BME, UCE, OU**

Library I/c : Dr. P. Damodar

Library Assistant : B. Kumar



Diamond Jubilee Library

EXAMINATION CELL

Telefax: 040-27097140

Phone: 040-27682232

Preamble:

The Examination Cell was established in the academic year 1995-96, after declaring the college as an autonomous institute. The objectives of Examinations Cell are as follows; conduct of B.E., M.E./M.Tech. and Pre-Ph.D Examinations, valuation of answer scripts, declaration of results issue of memorandum of marks and certificates. It is headed by the Director of Evaluation and supported by two Joint Directors. There are sufficient numbers of supporting staff to take care of the routine work in the Cell. The Exam Cell is well established in terms of infrastructure, computing, printing facilities and generator. Examination Cell also conducts M.E./M.Tech. Examinations to eight Engineering Colleges affiliated to Osmania University. The Examination Cell has been awarded with ISO 9001 certification in the year 2000.

The Examination Cell is now fully automated. Following are some of the developments after the completion of automation of the Exam Cell:

- Online submission of question papers by examiners.
- Issue of computer generated Hall Tickets / Downloading of Hall tickets from exam cell website.
- Online entry of marks
- Results processing
- Web publication of results
- Computer generated Tabulation Registers (TR)
- Printing of various certificates

Officers:

Director of Evaluation:

Prof. M. Manjula

Joint Directors:

1. Dr. K.Sashikanth (PG)
2. Mr. Md. Misbahuddin (UG)

Sections and Activities:

The Examination Cell has three sections namely Confidential Section, UG Section and PG Section. The activities of these sections are given below.

Activities:

- Issue of Notifications as per the Almanac.
- Scrutiny of Examination Application Forms and issue of Hall Tickets.
- Preparation of Examination Time Tables.
- Conducting spot valuation for B.E. & M.E./M.Tech. Courses
- Processing and Publication of Results after conducting Results Committee Meeting.
- Verification, Printing and issue of Memorandum of Marks.
- Issue of Provisional Certificates, Consolidated Memorandum of Marks, Migration & Rank Certificates to the eligible candidates.
- Issue of digitized Transcripts after due verification.
- Conducting Annual Awards function and awarding of Gold Medals, Cash awards and Rank Certificates to the eligible candidates every year.

Note:

1. The students are hereby instructed to read the Rules and Regulations for the four year Degree Courses in Engineering and two year PG courses in Engineering and know the scheme of instruction and examination, rules of promotion, award of division, improvement of division and other rules of examinations. The scheme of instruction and prescribed syllabi may be obtained from the respective Departments.
2. The Examination Branch, Osmania University, will issue Degree Certificates to all the eligible candidates.

**Centre for
CONTINUING ENGINEERING EDUCATION PROGRAMMES
(CEEP)**

PREAMBLE

University College of Engineering, Osmania University has established Centre for Continuing Engineering Education Programmes (CEEP) for imparting continuing education to working professionals and academicians through

- Two years Post Graduate Courses
- One year Post Graduate Diploma Courses
- Short Term and Long Term certificate Programmes
- Training Programmes
- Workshops
- Faculty Development Programmes.

The above programmes are essentially class room teaching programmes offered at convenient timings to facilitate working professionals. Centre for Continuing Engineering Education Programmes (CEEP) also propose to offer subject enrichment/value added special courses through e-Learning and Web based Technologies in near future.

POST GRADUATE COURSES (PTPG)

Post Graduate courses in various specializations of Civil Engineering, Computer Sciences and Engineering, Electronics and Communication Engineering, Electrical Engineering, and Mechanical Engineering are being offered every year for past 30 years exclusively for working professionals. Special Officer –Part-time Courses was facilitating these courses with the help of respective Departments. However, with effect from the academic year 2008, the Centre for Continuing Engineering Education Programmes (CEEP) is offering various above stated Post Graduate Courses, through respective Departments.

Various specializations offered by the Department and the corresponding intake of students are as under:-

Post Graduate Programmes (M.E./M.Tech.) (Part-Time)

S.No.	Course(s)	Specialisations	Duration	Year of Commencement	Sanctioned Intake
1	Civil Engineering	Structural Engg.	3 Years	1966	20
		Transportation Engg.	3 Years	2010	15
2	Computer Science & Engineering	CSE	3 Years	1991	25
		PDS	3 Years	1991	30



3	Electronics & Communication Engineering	Digital Systems	3 Years	1975	15
		SSP	3 Years	1975	15
		Microwave & Radar			
4	Electrical Engineering	IDC	3 Years	1971	15
		Power Systems	3 Years	1971	15
5	Mechanical Engg.	Production Engg.	3 Years	1994	15
		Automation & Robotics	3 Years	1994	15
		Turbo Machinery.	3 Years	1994	15
		CAD/CAM	3 Years	2014	32

Admission to these courses is on the basis of merit obtained at an Entrance Test to be conducted by the Osmania University and subject to the other eligibility requirements as announced from time to time. As on date, over 425 students are on rolls, pursuing the post graduate programme offered by CEEP. All academic requirement of M.E./M.Tech courses offered under CEEP are same as that of the Full-Time M.E./M.Tech courses.

OTHER PROGRAMMES:

Announcement pertaining to other programmes such as Certificate Courses, Training Programmes etc. are made from time to time according to the schedule.

OFFICE TIMINGS:

Monday to Wednesday 5.30 PM to 8.00PM

For further details please contact,

Prof. Kumar Molugaram, Principal, UCE, OU
Director

Sri K. Yudhveer Goud,
Rtd. Deputy Registrar

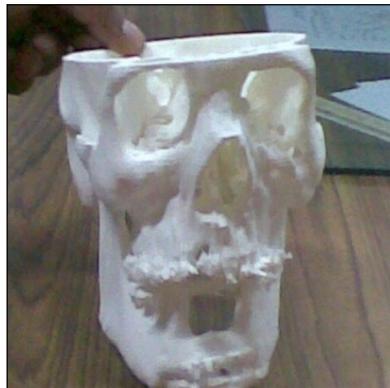
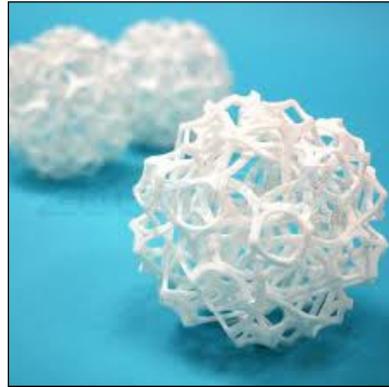
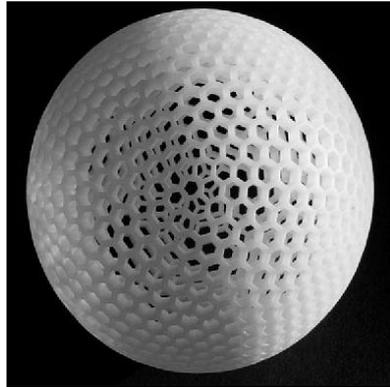
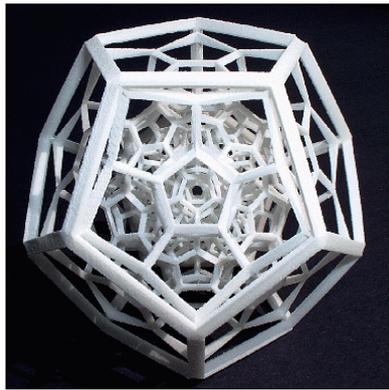
Centre for Continuing Engineering Education Programmes (CEEP)
University College of Engineering,
Osmania University, Hyderabad – 500 007
Phone No: 040-27071759

CENTRE FOR PROTOTYPING AND TESTING OF INDUSTRIAL PRODUCTS (CPTIP)



EOS SLS Rapid Prototyping System

SOME PROTOTYPES PRODUCED BY CENTRE



CENTRE FOR PROTOTYPING AND TESTING OF INDUSTRIAL PRODUCTS (CPTIP)

PREAMBLE

The state-of-the art 'Center for Prototyping and Testing of Industrial Products (CPTIP)' was established in the year 2009 at University College of Engineering, Osmania University with a fund of Rs. 150 Lakhs sanctioned by MHRD, Govt. of India. The Selective Laser Sintering (SLS) based Rapid Prototyping (RP) system with specialised software and hardware for advanced modeling and analysis was procured under this centre. This prototyping system is first of its kind in A.P. and first in India with regard to accuracy. The center is providing product development and prototyping facilities to B.E, M.E./M.Tech students and Ph.D scholars.

Apart from above, the center is also actively involved in doing consultancy projects by providing prototyping facilities to prestigious defence labs such as DMRL, DRDL and industrial firms like GE, Mahindra Satyam, Satyam-Venture, Analogies Tech. India Ltd., C2P, Models India, Transcend etc. The centre is also actively involved in serving the society by helping doctors in making prototypes for pre-planning surgery of complex operations.

OBJECTIVES

- To conduct research in the frontier areas of Rapid Prototyping and Product Development covering the state-of-the art technologies.
- To provide prototyping facilities to B.E, M.E./M.Tech students and Ph.D scholars for doing their project/research works.
- To execute sponsored and consultancy projects thus improving industry-institute interaction.
- To provide prototyping facilities to medical professionals by building prototype models that will help in pre-planning for surgeries involving complex operations.
- To conduct short term training courses, conferences, workshops and seminars in the broad area of Rapid Prototyping and e-Manufacturing that will help students/faculty/ in acquiring new skills in this area.

DETAILS OF FACULTY MEMBERS

Staff	Specialization/ Research Interests	Membership in Professional Bodies
Director Dr.Sriram Venkatesh, Ph.D, Professor, Dept. of Mechanical Engg., U.C.E, O.U	CAD/CAM, Bulk Materials Handling, Rapid Prototyping, Machine Design	FIE, MISTE, MISME, MTSI

Faculty Associated Dr.L.Siva Rama Krishna, Ph.D Assistant Professor, Dept. of Mechanical Engg., U.C.E, O.U	CAD/CAM, CIM, Web Based Manufacturing Systems, Rapid Prototyping, Industrial Engg.	MIE,MISTE, MIAENG, SMIACSIT
Technical Staff Dr. K. Buschaiah, Scientist/Instrumentation Engineer Dept. of Mechanical Engg., U.C.E, O.U	Production Engineering	

CONSULTANCY WORK UNDERTAKEN:

DRDO, DMRL, ECIL
M/s Analogics Tech India Ltd.
Mahindra Satyam
Satyam Venture Engineering Services
Transcend India Pvt.Ltd.
Models India , BioGenex
Amba Bhavani Toolcrafts
Sir Sai Technologies
Think Power Technologies
SensaCore Medical Instrumentation Pvt. Ltd.
Digital Dynamics,
Bakeys,
Redfine Signals
Yatna Engineering Solutions
Hanbit Automachine Technology Pvt. Ltd.
Thirumalasetti Industrial Engineering Solutions
Celltree – Bio Labs Pvt. Ltd.
ACME Toolings
HBL Power systems Ltd.
Guts Electromech Limited
COVIDIEN,
Nobel Automotive

ACHIEVEMENTS

1. A complete set of new design of body armor for defence personnel was made in a full scale for form fit and functional trials & design finalization to DMRL.
2. Building prototypes for Bio-medical, Electronics, Electrical, Computer and Civil Engg applications.
3. Medical doctors are using prototypes built at the center for surgical trials, maxillofacial surgery and as patterns for biomedical implants.

- Safety devices for sports personnel such as knee brace, knee caps and cups built at the center were demonstrated in USA, UK, Australia and Brazil.

INTERNATIONAL RECOGNITION

The work carried out at the center has been recognized internationally. Many vendors have exhibited the components made at the center in international exhibitions like USA, UK, Australia, Brazil and Canada for design reviews and working models.

- PEPSI mixing assembly units built for Mahindra Satyam were exhibited to PEPSI Company at USA
- Prototypes developed for sports personnel were demonstrated at in USA, UK, Australia and Brazil.
- Prototypes for surgical trials and medical implants were supplied to government and corporate hospitals.

DISTINGUISHED VISITORS

The following distinguished visitors have appreciated the facilities and recorded their comments.

Sl No	Date	Name & address
1	26-03-2009	Mr. Graham Rogers, Deputy Vice Chancellor, University of Wales, Newport, UK
2	17-09-2009	Prof.R.Venkateshwar, Controller of Exams, Osmania University, Hyderabad
3	05-01-2010	Prof. James Staicken, Biological and Agricultural Engineering, Kansas State University, Manhattan, KS66506, USA
4	05-01-2010	Prof. Raju Sivarama Dandu, Mechanical Engineering Technology, Kansas state, Salind, USA
5	27-04-2010	Mr. Peter Noyes, Vice chancellor, University of Wales, Newport, UK
6	27-04-2010	Prof. Jan Nayer, University of Bristol, UK
7	18-05-2010	Prof. R.V.RajaKumar, Vice Chancellor, RGVKT, Hyderabad
8	20-09-2010	Dr. D.R Bains, School of planning
9	04-02-2011	Dr. P. Thanapandi, Mr.S.Takano
10	09-03-2012	R. Singh, Director NMDC, Masab Tank, Hyderabad
11	09-03-2012	V. Ramchander MD, APITCO LTD, Hyderabad
12	05-10-2012	Prof. H.K.Raval,SVNIT Surat,NBA
13	06-10-2012	Prof. D. Thukaram Dept. of Electrical Engg I.I.S.C, Bangalore – 560012.
14	18-07-2013	Pam Eakins- Breing
15	18-07-2013	W. Frankliquin – Boeing Seattle, WA

PROJECTS AND DISSERTATIONS COMPLETED

BE : 15
M.E: 20

PAPERS PUBLISHED

1. L.Siva Rama Krishna, Aravind Reddy.G, Bhaskar Sudhakanth.V & Sriram Venkatesh, “Application of 3D Printing For Building Prototype Model of Osmania University Arts College – A Case Study”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 11 (2018) pp. 9267-9272.
2. L. Siva Rama Krishna, M. Kamal, Sriram Venkatesh And Manmadhachary, “Design And Manufacturing of a scaffold For Biomedical Applications Using Additive Manufacturing”, Indian J.Sci.Res. 15 (2): 01-06, 2017.
3. L.Siva Rama Krishna, Sandeep boddepalli, Sriram Venkatesh, “Topology Optimization of Aircraft Bearing Bracket and Prototype Manufacturing Using 3D Printing” National Conference “Large Scale Multidisciplinary Systems of National Significance Trends & Challenges” (LAMSYS 2016) organised by ISSE, SDC SHAR, ISRO in Association with Sathyabhama University, Chennai during 20-21, April 2018

TRAINING PROGRAMMES CONDUCTED

The center has been conducting training programmes on RP technologies to the faculty, students and persons from industry.

1. One week training programme on “Rapid Prototyping and E-Manufacturing-09 (RPTEM-09)” 23rd March 2009 to 28th March 2009.
2. One Day workshop on “Advanced Manufacturing Technology” July 30th 2009.

The center has received lot of appreciations and good feedback for the products developed at the centre. Defence labs (DMRL and DRDL) and companies such as M/s. GE, Mahindra Satyam, Satyam-Venture Engineering Services, Analogics Tech. India Ltd., C2P, Models India and Transcend are using the technology and facilities provided at our center for their product development and design reviews.

This made industry to look to Osmania University, Hyderabad for services related to rapid prototyping, which has helped the University to claim its rightful place in rapid prototyping technology.

For further details Please Contact:

Dr. Sriram Venkatesh

Director, Center for Prototyping and Testing of Industrial Products (CPTIP),
University College of Engineering,
Osmania University, Hyderabad – 500 007

Mail: cptipou@gmail.com, Cell No: 9440408333, 9849867046

COMPUTATIONAL FLUID DYNAMICS CENTRE

University College of Engineering (Autonomous)

Computational fluid dynamics centre (CFD centre) is equipped with 34 computers and a server with ANSYS-CFX software. The center offers computing facilities for M.E. and B.E. students of the college for carrying out their project works in computational fluid dynamics area. Training programmes and workshops were conducted for industry, academia and PG students on theoretical concepts of CFD along with hands on practice. Some of project works carried out in the center had visible outcomes in the form published papers in National and International Conferences.

CFD is the branch of fluid dynamics providing a cost effective means of simulating real fluid flows by the numerical solution of the governing equations. The various projects carried out in the center are Temperature and Pressure variation around a turbine cascade, performance of a centrifugal pump, aero dynamic flow analysis around a four wheeler, drag force calculations on a train, design modifications to improve centrifugal compressor performance, design of Francis turbine casing, pressure recovery in low solidity vane diffusers, flow analysis of cryogenic turbine, temperature analysis of turbine blade root, design of exhaust manifold of an internal combustion engine, air conditioning load calculations for a conference hall, two phase flows in air conditioning capillary tube and cavitation in centrifugal pump.

The future plans of the center include conduct of training programmes and workshops for the research scholars, industry CAE Engineers and Academic faculty and students of Engineering Colleges in niche developments.

Prof. P. Usha Sri

Director

CFD Center

Email:emailushasri@yahoo.com

**CENTRE FOR EXCELLENCE IN
MICROWAVE ENGINEERING (CEME)**

Phone: 040-27021273, email: ceme_uceou@yahoo.com

Introduction:

The Department of ECE, recognizing the importance of Research & Training activities in the field of Microwave Engineering, considering the expertise available in the Department, coupled with the need for developing quality manpower in the field of RF and Microwave Engineering, collaborated with Astra Microwave Products Ltd, Hyderabad to establish the Centre of Excellence in Microwave Engineering in the Department of Electronics and communication Engineering. The aim of the collaboration and cooperation is to promote the development of quality manpower in the specific area of Microwave Engineering. The Centre was established on 30th October 2006, Presently Dr.V.M.Pandharipnade is serving as Honorary Director of the centre. The Advisory Board was constituted to monitor and guide the Centre's activities.

Objectives of the Centre

- To encourage UG & PG students/research scholars to enter in the field of RF Circuit Design, Microwave Circuit Design, simulation, Numerical methods in Electromagnetics, Antenna Analysis & Design, Microwave Communication System Design.
- To improve teaching skills in the area of Electromagnetics & Microwave Engineering by producing Quality course material, Design tutorials.
- To carry out R & D projects on practical problems originating from Defense R&D Labs, Industries, R & D Institutions.
- Organize short term & long term courses in the broad field of RF and Microwave Circuits, Antennas, Phased Arrays, Radar and communication Systems.
- To strengthen Institute – Industry interaction on mutual basis.

Workshops/Tutorials Organized

Name of The Workshop	Coordinators	Resource Person	No. of Participants
Advanced Electromagnetic Engineering	Dr. D.Rama Krishna 02 nd to 08 th Nov 2017	Dr.Sadasiva M.Rao, Naval Research Laboratory, Washington DC,USA	104

Software

- Keysight Advanced Design System (ADS)
- AWR Microwave Office(MWO) and Visual System Simulator(VSS)
- Zealand IE3D EM Simulator
- SONNET High Frequency EM Simulator
- Ansys HFSS

MEMS Facility:

National Programme on Micro and Smart Systems (NPMASS) of IISC Bangalore identified our Centre to establish a National MEMS Design Centre at our Institute. The main objective of this activity is to make various MEMS Design tools available for research scholars and students. Under this activity the centre received the following Software.

1. A class kit bundle of COMSOL with 30 student and 01 researcher licenses.
2. One license of Intellisuite basic version with full capability.
3. One researcher license of CoventorWare MEMS+ .

Hardware

1. Agilent 8720ET Vector Network Analyzer (50 MHz- 20 GHz), S-Parameter Test Set
2. HP 85047A Scalar Network Analyzer (300 KHz- 6 GHz), S-Parameter Test Set
3. Agilent E4418B EPM Series Power Meter- 1, HP 437B Power Meters - 2
4. Advanced Microstrip Trainer Kit AMTK – 9000C- SICO Ghaziabad/IIT Delhi Product
5. Anritsu MS2720T Spectrum Analyzer (9KHz-20GHz)
6. Key Sight N5173B RF Signal Generator (9KHz-20GHz)
7. Rohde & Schwarz FSH8 Spectrum Analyzer (9KHz-8GHz)
8. Anritsu Hand Held 20GHz RF Vector Network Analyzer

Research & Training:

- The Centre successfully completed the project on “Analysis, Design and Simulation of W-band Antenna for FMCW Applications” from RCI, DRDO, Hyderabad in September 2015. The Total cost of the project is Rs. 9.99 Lakhs and duration is 18 months.

For further information contact:

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Mobile: 919441154911

CENTRE FOR CREATIVE TECHNOLOGIES

Phone No: 040-27098254, Fax: 040-27095179

Centre for Creative Technologies (CCT) deals with the students of University College of Engineering (Autonomous), Osmania University, Hyderabad. To bring out their Innovative, Design, and Managerial skills in present day and futuristic technologies of the globe, it also providing facilities for students to do inter disciplinary projects with new concepts as an individual/group at B.E second and third year level. CCT wants to develop all round personality in the field of Engineering and Technologies.

The Centre for Creative Technologies strongly believes that it doesn't just take quality teaching to make an engineer. It requires nurturing with proper guidance, constantly giving the feeling of responsibility to oneself as well as to the society. Hence it provides an opportunity to the students of this college (Bio-Medical Engineering, Civil Engineering, Computer Science & Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Mechanical Engineering) who has a rough idea; the Centre will help to bring a prototype of their idea(s) by sharing various technologies.

It believes in excellence in action and in the pursuit of knowledge. The dedication and diligence of every individual identifying with the cause of *Imagination of Intelligence* their goal and ready to face any extreme challenges of tomorrow.

Events Conducted:

- **Envisage** : 2006, 2007 and 2008
- **Samskruthi**: 2009 and 2014
- **Quizzotic** : 2011, 2012, 2013, 2014, 2015, 2016, 2017 and 2018
- **FreeStyle** : 2015 ,2016, 2017 and 2018

Advisory Committee

Prof. Kumar Molugaram	Principal & Professor, CED	Chairperson
Dr.NarsimhuluSanke	Professor,MED	Director
Dr.P.V.N.Prasad	Professor,EED	Member
Dr.S.Ramachandram	Professor, CSE	Member
Dr.P.Chandrasekhar	Professor, ECE	Member
Dr.B.Mangu	Professor, EED	Member

Dr.B.RajendraNaik	Professor, ECE	Member
Dr.M.V.S.Sridhar	Associate Professor, CED	Member

Correspondence Address

DR.NARSIMHULU SANKE, Director

Centre for Creative Technologies
University College of Engineering
Osmania University,
Hyderabad # 040-27098254
E-mail: cetdirector@gmail.com

Quizzotic– 2018 (March 24, 2018)

It comprises a spectrum of areas encompassing the latest developments in both technical and non-technical arena. Quizzotic 8.0 was enormous success with over two thousand teams participating and organized by Erudite, University College of Engineering, Osmania University, Hyderabad-500007.

FREESTYLE 2018 took its grand opening on April 08, 2018 at 9:30 am in the ECE auditorium. The ceremony started off with a spiritual song explaining the importance of being able to take every defeat and win and the ‘never say die spirit’ rendered so beautifully by freshmen. April 08 would surely be etched in the memories of all the participants and organizers alike. Engaged as they were during the presentations, every moment of it was thoroughly lived.

ENTREPRENEURSHIP DEVELOPMENT CELL

Ph: 040-27098501, Fax; 040-27098501

Entrepreneurs are not necessarily born, but they can also be made. With this in view, the idea of teaching the subject of Entrepreneurship Development to engineering undergraduates, as part of curriculum was initiated 12 years ago and is now continuing since then.

As a gesture of rendering socially relevant technical services to the common society, the Entrepreneurship Development Cell has formed and initiated two programmes. The first one is Small Industries Management Programme (**SIMAP**). The second one is Skill and Technology Up gradation Programme (**STUP**). Small Industries Development Bank of India (**SIDBI**) sponsor both the programmes.

Workshop on Entrepreneurship

A Workshop on Entrepreneurship is conducted each year at the end of the semester course. This has enabled the students to interact with the personnel from industry. While the bank experts explained the methods of financing an industry, the officers of industries department unfolded the infrastructure facilities and subsidies offered by the government to the entrepreneurs. Such interactions helped students to accumulate practically useful information and also provided them a positive mind to nurture entrepreneurial ideas.

Library

The EDC is having a library with a stock of around four hundred and fifty books and fifteen video cassettes on various aspects of Entrepreneurship. More publications, periodicals, journals and relevant books are being added every year. News letters from EDII, Ahmedabad and also news letters from the embassies of France, China, Indonesia etc. are received periodically. The books are issued to the students for reference.

EDC Programmes:

Small Industries Management Programme (SIMAP)

The Programme aims at two objectives. One is to solve the unemployment problem especially among non-technical graduates and the other is to provide trained management personnel to small scale industry. The SIMAP course is of 14 weeks duration, which consists of theory courses on industrial management and a compulsory industrial interaction. The participants are mostly unemployed graduates of Arts, Commerce, Science, Technology diploma holders. A few sponsored candidates from industry also attend this programme. The selection of candidates is based on

interview/written test. So far 53 industries have rendered practical interaction for the students under this programme. Eleven programmes were conducted so far in succession.

Skill and Technology Upgradation Programme (STUP)

New Skills and Technologies have become necessary in the fast growing globalisation. This programme helps industries to upgrade and keep themselves competitive. The participants are working personnel from industry. EDC is conducting this programme as a workshop for 2-3 days at University campus. Theoretical expertise of the professors and Technology of the field experts from industry is blended to present the latest technologies in the concerned area. The infrastructure facilities like Audio-Visual lab, Computer labs, Software packages etc. of the university are made use for the programme.

SIMAP course for O.U Campus graduates

Proposals are underway to conduct Small Industries Management Programmes for Hostel inmates of Osmania University Campus. The hostel inmates of the University campus are normally from rural areas: some of them are quite talented but are at disadvantageous position due to lack of guidance and monitoring. SIMAP aims at covering up this deficiency for the hostel students and mould them into entrepreneurs.

Finances

Small Industries Development Bank of India (SIDBI) is the main sponsored for the programmes. For each program, the SIDBI renders 50% of the cost and the participants contribute for the balance expenditure. Few small scale industries co-sponsored the program, though in a small way. The college of engineering supported the ED Cell initially for 3 years under the guidance of Prof.D.C.Reddy. Now the cell became not only self-sufficient with its own personnel and funding.

Corpus Fund

The SIDBI has given a corpus fund of Rs.20 lakhs to the cell, to organize SIMAP on regular basis.

Industry – Institute – Interface.(I-I-I)

“SIMAP” programmes encompasses twin objectives of the students getting trained at industries and the industry experts delivering guest lectures at University campus. Thus the program has made a good Industry – Institute Interface.



- 1) Organised two-days Entrepreneurship Awareness Camp on 20th & 21st October, 2017, Jointly with EDC, OU.
- 2) Organised one-day workshop on Entrepreneurship Awareness on 3rd March, 2018, Jointly organised by NSS Units, UCE, OU and Start-up Cell (TEQIP-III), UCE, OU in association with EDC, Osmania University.

Director : Dr.M. Chandra Sekhar Reddy, MED,UCE, OU.

INDUSTRIAL DEVELOPMENT AND INCUBATION CENTRE (IDIC)

1. Rational :

Engineering Colleges have been providing industrial consultancy in Engineering systems testing and design. Yet even today, the operation of Indian Industry continues to be limited to standard Engineering Technologies. The Indian Industry needs to embark in new relevant emerging disciplines such as alternative rural energy-systems and high technologies needed for instance in high speed rail travel. The onus for modernizing the Indian Engineering Industry is on the university. It is not just enough to sit back and provide industrial consultancy. The University Departments of Engineering will have to act as R & D partners of companies, to embolden them to branch out into new domains. Even that may not be enough to help foster indigenous industrial development in new areas, such as / Biomedical Engineering and Biotechnology-in-waste treatment. This then is the mandate of IDIC.

2. Introduction:

The Director IDIC (Industrial Development and Incubation Centre) office has been established in the year 1998. The office offers various consultancy services to GHMC, T.S. Police Housing Corporation, T.S.RTC, R & B, Panchayatah Raj, Irrigation & CAD, Indian Railways, BHEL, DRDO, NFC, NMDC, H.M.D.A etc., IDIC is also giving consultancy services to private organization / departments for quality control and proof checking etc., further the main aim of this office is to disseminate the knowledge and awareness of quality control technique to all government and private Engineering departments. The University College of Engineering has very good experienced and eminent faculty / Experts in the area of Civil, Mechanical, Electrical, Electronics, Computer Science, Biomedical Engineering. Depending upon the requirement and need, the faculty members will be in need to assign the consultancy works to expert members of the above specialization faculty. The IDIC is a centre where all the Engineering quality assessment can be ascertained for productive and with innovative methodologies.

A prime theme of IDIC' effort is to address all the stages in the life cycle of technology development i.e., from conceptual to design stage, from production to marketing strategies, Issues such as manufacturability, quality-control, material innovation and substitution, and product costs are to be considered simultaneously.

This initiative entails.

- Advanced software and hardware facility for R & D.
 - Identification of promising research that can end up as a marketable technology or products.
 - Manufacturing facility for production of limited prototypes to prove the product in the market.
 - Business development planning for launching new companies.
- Consultancy, R & D of new technologies and prototype manufacturing, constitution of R & D divisions for companies, and launching of new companies in collaboration with entrepreneurs.

3. Consulting Services :

(Director : Prof. V. Bhikshma)

A. Information on Technology Development.

Depending on the areas of interest, IDIC Members would be kept informed through newsletters and bulletins about development in technology, changes in Government policy etc., Briefs on products / processes / soft wares developed at the University College of Engineering (UCOE), OU, Hyderabad will be periodically published and made available to the members.

B. Information Support Services

Access to retrieval from on-line international and CD ROM databases will be provided with 10% discount on service charge. The large inventory of books, journals, periodicals available at the Library of UCOE can also be advantageously exploited for reference purposes by each member.

C. Continuing-education Courses

IDIC Members would be entitled to preferential treatment in programmes tailored to meet their specific needs for other programmers, nominees from IDIC members will enjoy priority in admission and 10% concession on registration fee.

Technology Appreciation Programmes and Future Vision Seminars to keep abreast with the latest state-of-the-art and emerging technologies. Technology-Appreciation Programmes and Future-Vision Seminars are proposed to do organized by IDIC. From time to time members will be invited to participate in these programmes, suggest themes and share experiences with experts in the industry and academia in India and from other parts of the world.

D. Industrial Clinics

Depending on the number of IDIC members in a particular strength area of UCOE, periodical industrial clinics to solve technology-related problems posed by the members can be organized.

Access to Faculty Expertise for exploratory discussions IDIC will assist IDIC members in interacting with individual faculty experts on secondment for short-term consultation on priority. Similarly key executives of industry members can have short-term consultation on priority. Similarly key executives of industry members can have short-term residence in UCOE laboratories or departments.

4. Serving as R & D Partners to Companies:

It is envisaged to create a consortium consisting of academic units / labs and industries. Early emphasis on industrial participation will ensure that research programmers lay focus on industrial needs, and facilitate smooth technology-transfer. From the beginning, emphasis will be on stressing real-world issues, thus avoiding transition problems. Emphasis is also to be laid on software quality and transportability. This will ensure that developed software will add to hard-ware usefulness.

5. Technology Transfer and Company-Incubation.

The IDIC would be setup with an annual budget provided as a seed funding by major industrial companies. It will adopt promising research projects (being carried out in the education department and the interdisciplinary divisions of UCE, OU) that have the potential of resulting in commercial technologies. The technology prototyping and testing will be carried-out at IDIC, which will also carry-out feasibility studies and budgetary analysis for setting up small companies to manufacture and commercialize new technologies and systems.

The role of IDIC would be to either transfer the technologies to existing companies or to even incubate new companies. Once promising technologies are identified and prototyped, the sponsoring companies would be given the first right of acquiring and commercializing them. If the sponsoring would be incubated to manufacture and commercialize such technologies or devices. IN that case, the students and staff involved in developing these technologies would direct these companies. The issue of ownership and partnership would be worked out so that both the inventors and IDIC would be joint beneficiaries.

6. Fostering Economic Development:

The Research-consortium concept and Advanced Prototyping Centre will collectively provide an effective technology-transfer mechanism for industry. This initiative will address a broad spectrum of industry needs-production technology as well as trained human resources. The incubation of new companies will help to develop indigenous industries in emerging areas. IDIC is strategically designed to diversify and culture industrial interaction and have a positive impact in the region and nation in emerging technology-based economy.

For more details please contact :

Prof. V. Bhikshma

Director,

Industrial Development and Incubation Centre,

University College of Engineering,

Osmania University, Hyderabad-500 007.

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RESEARCH AND TRAINING UNIT FOR NAVIGATIONAL ELECTRONICS (NERTU)

Ph No: 27098066, 27682362 Fax: 27091762

E-mail: director_nertu@yahoo.com

Introduction:

The Department of Electronics (DoE), Government of India, recognizing the importance of Navigational Electronics to the country and the specific needs of the Department of Civil Aviation and the Indian Air Force, decided to create a national center for expertise in this area. Proposals were invited, and the one submitted by the Department of Electronics and Communication Engineering, Osmania University was selected. Thus the Research and Training Unit for Navigational Electronics came into being on 1st April, 1982 as a sponsored project of the DoE. It continued to enjoy this status until September 1992. In recognition of the excellent services rendered by it to the user organizations, it was made as permanent establishment, a research center of Osmania University by funding its recurring expenditure. The first Advisory Committee (1982-1987) was headed by the former President of India, Dr. A.P.J. Abdul Kalam, who was then the Director of Defence Research Development Laboratory (DRDL), Hyderabad. Today, NERTU is the focal point for research and training, in the frontier areas of Navigational Electronics in India. It is the first University centre to work in the area of Global Positioning System (GPS) and GPS Aided Geo Augmented Navigation (GAGAN) System.

Objectives:

- 1) Conducting research in the frontier areas of Navigational Electronics, Signal Processing and Communication, covering the current state-of-the-art technologies.
 - a) Propose the projects for funding from government agencies and industries and then execute the sponsored and consultancy projects.
 - b) Publication of Research Results in Technical Reports and Journals.
 - c) Presentation of Research Results in Conferences.
- 2) Development of manpower in the area of Navigational Electronics, Signal Processing and Communication, by imparting training.
 - a) Organizing short term courses, workshops, symposia and conferences for engineers, scientists, academicians and students at PG and PhD level.
 - b) Guiding B.E., M.E., and Ph.D. students by Identifying of research topics based on the requirements of the sponsoring agencies and on-going research work at national and international level in the areas of Signal Processing, Communication and Navigation.

Since its inception, NERTU has successfully executed **50 sponsored and consultancy projects**, funded by DRDO, ISRO, DST, MIT, ECIL, HAL, BEL, AICTE and ASL, in different areas related to signal processing, communications and navigation. NERTU staff has guided more than **30 PhD and 150 ME/M.Tech.** students for their dissertations. It has also conducted **63 short term courses/workshops/conferences** on various topics of signal processing, communications and Navigation. Scientists, engineers, academicians and research scholars from many organizations have participated and benefited from these courses.

The core resource of NERTU is scientific staff, which has now acquired excellent expertise in the areas of Signal Processing, Communication Engineering and Navigational Electronics. At present it is headed by

Areas of Research	
Dr.P. Laxminarayana, M.E., Ph.D, Professor and Director	Development Signal Processing, Communication and Machine Learning Algorithms and Systems. <ul style="list-style-type: none"> • Navigation Technologies (GNSS and Unmanned Aerial Vehicles), • Speech, Audio and Image Processing • Equipments for Biometric and Biotechnology Industries

SPONSORED and CONSULTANCY PROJECTS (2013-2017)

S.No	Title of the Project	Name of the Investigator	Duration	Amount in Lakhs	Name of the Sponsoring Agency
9	DGPS Surveying	P.Laxminarayana	2017-2018	(approx) 4.50	GIS, Hyderabad
8	Automatic Speech Recognition (ASR) over VOIP and Wireless Networks	P.Laxminarayana	2012-2015	11.33	UGC, New Delhi
7	Optimization of AMR-WB Codec	P.Laxminarayana	2014-2015	6.20	Lantiq Communications India Pvt. Ltd. Bangalore
6	Improved Linear Kalman Filter for GPS Navigation and Restoration of MBI	K.Deergha Rao	2014-2015	3.77	DRDO
5	Investigation of Atmospheric Effects on Future Ground Based Augmentation for	A.D.Sarma	2011-2013	31.60	DST, New Delhi

GPS Systems					
4	Investigation of Statistical Behavior of Ionosphere over the Indian region using GNSS data for GPS Application	A.D.Sarma	2010-2013	8.80	ISRO, Bangalore
3	Kalman Filter based GPS Navigation	K.Deergha Rao	2009-2013	9.52	RCI, DRDO, Hyderabad
2	Funds for Improvement of S&T Infrastructure (FIST) a program to augment the post graduate teaching and research facilities	A.D.Sarma	2007-2013	50.00	DST, New Delhi
1	Coherent Radio Beacon Experiment (CRABEX) Preliminary Phase-II	A.D.Sarma	2004-2013	19.66	ISRO, VSSC, Trivandrum

Infrastructure: Laboratories

NERTU has excellent laboratory facilities in Microwave, Navigation and Communication, Image and Signal Processing laboratories. The laboratories are equipped with latest computers and internet facilities. These are enriched with sophisticated equipment. The details are as follows:

NovAtel make Dual Frequency GPS receiver (Model:DL4+), Turbo Rogue Dual frequency GPS Receiver (Ionospheric calibration system, ICS-4000Z) from Allen Osborne Associates, U.S.A., GPS/LRF integration kit (ike-305) from Survey Labs. Spectrum analyzer (HP, IFR-2398), CDMA-DSSS Trainer kit with bit error rate measurement (Model: ST2131A), PC based Logic Analyzer 32 Channel, Satellite Communication Trainer Kit (Model: ST2271), Mobile communication experimental set up and Rover, Base station UHF-VHF system. Bernese software for processing GPS data, from Bern University, Switzerland.

Library facilities:

NERTU has a well-furnished library equipped with international editions and reference books. The library has rich collection in subjects like GNSS, Antennas, Mobile Communications, Signal Processing and Image Processing. Conference proceedings and the lecture notes of short term courses conducted by NERTU are also available. Books are lent on inter-library loan to Navy, Air

force officers, trainees of Navigation and Signals School, Air force station, Begumpet. Also students, staff and scientists of various departments of O.U., JNTU, DRDO labs, Airports Authority of India, NRSA, NGRI and affiliated engineering colleges of twin cities avail our library facility.

S.No.	Item	1982-1992	1993-2010	2011-2017
1.	No. of Books in Library	971	1637	1954
2.	Total No. of Volumes in library	1257	3055	3280

ACHIEVEMENTS

NERTU has completed around **60** sponsored and consultancy research projects, funded by government organizations like DoE, MIT, CSIR, SERB, DST, UGC, AICTE; DRDO labs like RCI, DRDL, DLRL, CABS, ADA, ITR, DTSR; ISRO labs like SAC, VSSC, ISAC and Industries like HAL, ECIL, BEL, NAA/AAI, Lantiq Communication India Pvt. Ltd. Similarly around **61** short term courses/workshops/conferences were organized by NERTU and participants are spread throughout India from all states. NERTU scientists have guided more than **34** PhD and **125** ME/MTech. students. NERTU staff has published around **127** Journal papers, **340** Conference Papers and **125** Technical Reports of the sponsored Projects and 80 General Technical Reports.

Task	1982-1992	1993-2010	2011-2018
1. No. of Projects Completed	15	38	10
2. Amount of the Projects Completed Rs. In Lakhs	260.54	191.56	153.80
3. No. of Books Published	-	-	02
4. No. of Journal Publications	10	98	19
5. No. of Conference Publications	43	258	39
6. No. of Technical Reports for Sponsored Projects	32	76	18
7. No. of Short Courses/ Workshops/ Seminars Organised	13	33	18
8. No. of PhDs Awarded	03	18	13
9. No. of M.E./M.Tech. projects Guided	12	63	49
10. No. of Invited Lectures by NERTU staff	-	73	25

COLLABORATION WITH DIFFERENT ORGANIZATIONS

NERTU scientists are closely interacting with labs of DRDO, ISRO, CSIR labs, PSUs, government agencies and academic institutions with their collaboration in executing several projects and organizing workshops/conferences. All the present and previous scientists of the NERTU are members and chairmen of the many Preliminary Design Review (PDR) and Critical Design Review committees of the projects executed by the labs of DRDO, ISRO and PSUs. NERTU signed a Memorandum of Understanding with Satellite Application Centre, ISRO, Ahmadabad, on 15th September 2016, on “IRNSS Navigation Receiver Field Trial and Data Collection”. Till now NERTU has executed around 10 research projects funded by ISRO.

PROGRAMMES PLANNED FOR CALENDAR YEAR-2018

4-Day Short Course on Advances in GNSS Technologies & Applications Course Code: NERTU/SC/69	16-19, August 2018
One Week School on Advanced GNSS Signal Processing Course Code: NERTU/SC/70	20-25, August 2018
3-Day Short Course on Migration, Navigation and Bio-Mimicking Aerial Vehicles , (Course Code: NERTU/SC/71)	26-28, October 2018





CENTRAL COMPUTING CENTER

Phone No: 040-65170010

Central Computing Center (CCC) is created under TEQIP Project during the Academic year 2006-2007 to provide Central Computing Facilities to the students and the faculty of all the Dept. of University College of Engg.

Facilities available under CCC are as follows:

- Campus Wide Networking (CWN)
- Internet Connectivity
- Server Farm
- Central Software Lab, Internet Lab
- Central e-class room.

Campus Wide Networking (CWN):

CWN is established with 1Gbps Fibre optics Cable Connectivity to all the Departments and hostels of the engineering college. It is equipped with the high Speed Core Switch (Catalyst 6513), Cisco Firewall ASA 5510, 20 numbers of Distributed Switches (Catalyst 4503, 3560, 500), Cisco Works LAN Management Server (LMS), Access Control Server (ACS), VLAN Management Server (VMS). It enables sharing of resource like Journals, Learning Materials, library information Systems and Student Information Systems, Servers and Software of the all the Departments.

Internet Connectivity:

A Bandwidth of 1 Gbps under NKN(National Knowledge Network)Internet Connectivity has been provided to facilitate 24x7 access to the Internet. In addition, 60 Mbps Internet connectivity is provided as a backup.. The Internet connectivity is extended to Hostels with Wi-Fi Connectivity.

Server Farm: Server farm is equipped with the following IT infrastructure.

- Sun Blade -8000 Server (Qty 2)
Web Server, Mail Server
- Sun Fire v440 Servers (Qty 2)
DNS, FTP
- IBM P5 Server for Database
- EMC NAS Server for Storage Data
- Silicon Graphics Prism
- Ten dumb terminals connecting to FTP Server
- Symantec Endpoint Protection Server
- IBM 226 Servers (qty 4)

Access Control server (ACS) for network authentication
Campus Dimension Software Server, Rational rose Software Server
Mathematica Software server, Anti-Virus Software Server

Central Software Lab:

This lab is equipped with 100 desktop systems with access to CWN and the Internet. This lab is meant for the students belonging to all the departments. Lab is kept open between 9.00 a.m. to 9.00 p.m. The particular student can access the following software:

Rational Rose,	Mathematica,	Oracle,	ICM software
MATLAB,	PROe,	AUTO CAD	ANSHES
JAVA,	C/C++,	VX-WORKS	

Internet Lab:

The lab is equipped with 60 Pentium IV systems with high speed Internet access. Students and Faculty can download IEEE Journals and browse the Internet This facility available for 12 hours i.e. from 9.00 a.m. to 9.00 p.m.

Central e-Class Room:

e-Class room has been established in the main building of the university college of engineering. This has a maximum seating capacity of 120, can meet the following needs of the college.

1. Technical Conferences/Seminars/Symposiums
2. Video Conferencing
3. Main E-Class Room with Audio & Video streaming facility to broadcast ongoing programmes in the respective e-class rooms of the Departments Workshops
4. Guest Lectures, Faculty meetings
5. Computer based online programmes.

Facilities:

Following facilities are available in the e-Class room

1. A roof mounted LCD projector with Pentium 4 computer loaded with necessary packages to make all kind of presentations.
2. A 2000 ANSI lumen capacity OHP to make presentations using transparencies.
3. The e-class room is equipped with Internet Connections and T.V Tuner. As a result the audience of e-class room can see the contents internet as well as view the T.V channels displayed on the big screen through the LCD projector.
4. An additional Wi-Fi connectivity is provided in e-class room for Laptops.

5. Sufficient number of electrical points is provided in order to connect any equipment felt necessary.
6. Best quality public address system with a mike on the speaker table, a mike on the podium table, a cordless collar mike and a remote mike with a 500W amplifier are available.

Computer Aided Design (CAD) Centre

CAD lab has been established to cater the computational needs of faculty, research scholar, PG and UG students of this institute. It provides a platform to the students to learn different technical software's taught by experts from industries and faculty.

Cloud Computing Research Lab

The research lab was established in collaboration with M/S Cipher Cloud with the idea of creating computing facilities to enable the students and faculty to engage in research in the area cloud computing. The researchers of the lab work closely with the industry and bring lot of value to the academics.

FUTURE PLANS:

It is envisaged to provide the following facilities in the near future:

- Online Examination
- Voice over IP
- Smart Card System
- Online course in Collaboration with various universities Institutions Universities/Institutions India/abroad
- Setting up of incubation center

Advisory Committee:

Prof. Kumar Molugaram	Principal, University College Of Engineering Ph: 91 40 27097577
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System Administrators/Programmer:

Mr. N.Venkata Ramana	nallavenkataramana@uceou.edu
Mr. Lanka Phanibhushan	admin_phani@uceou.edu
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e-mail: ccc.director@uceou.edu
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Dr. P. Naveen Kumar

Additional Director, CCC
e-mail: naveen.gps@gmail.com
Mobile: 9985701254.

CENTRE FOR ENERGY TECHNOLOGY





Advanced Biomass Downdraft Gasifier



Solar Water Heater-Flat Plate Collector



Solar Photovoltaic Modules



Lecture on RE Program



Visitors inCET



Solar Training Kit (TEQIP-II)



CENTRE FOR ENERGY TECHNOLOGY

Tel: 040-27096253 Fax: 040-27097139

E-mail: cetdirector@gmail.com

Centre for Energy Technology at University College of Engineering, Osmania University, Hyderabad was established during November 1997 with the objective of promoting New and Renewable Sources of Energy. Energy is a vital input for economic and social development. Growing concern on the depletion of fossil fuel reserves and detrimental effects of conventional energy sources on environment makes it imperative to maximize the use of renewable energy sources which are economically viable and environmentally friendly. The Centre aims at development and popularization such technologies.

Staff

Director

Dr.NarsimhuluSanke, Ph.D
Professor of Mech.Engg.

Honorary Advisor

Dr.D.N.Reddy, Ph.D
(Founder Director)
(Former Vice-Chancellor, JNTU-H)

Senior Advisers

Dr.R.P.Gupta, Ph.D
(Former AGM, R&D, BHEL)

K.Basu

(Former AGM R&D, BHEL)

Faculty Associated

Dr.M.V.Ramana Murthy, Ph.D
Associate Professor of Mech.Engg.

V.UmaMaheswar, M.E.

Associate Professor of Mech.Engg.

Specialization/Research

Biomass Energy, New and Renewable Energy Sources, Thermal Engineering, Software Programming Development

Non-Conventional Energy Sources (NCES)
Heat Power Thermal Engineering,
Turbomachinery

Wind Energy, Solar Energy Technologies

Clean Coal Technologies, Biomass

Heat Transfer, Thermal Engineering

Turbomachinery, Thermal Engineering

Main Activities

- To undertake research and development projects in the field of Solar, Thermal/Solar Photovoltaic, Wind Energy, Biomass Energy, Mini-Micro Hydel, Clean Coal Technologies and Ocean Energy Technologies.
- Design of Energy efficient systems for industrial sector.

- To identify the technology gap between developed and developing countries in the Energy Sector and suggest appropriate measures.
- To undertake joint projects for technology development with R&D industry and Government Agencies.
- Programme for Energy Audit and Energy Conservation Studies.
- Biomass Production, Utilization and Conversion Technologies.
- To undertake design and commissioning of Wind Power Plant and Optimization studies.
- Identification, planning and Implementation of Rural Energy Programmes.
- To undertake R&D projects in the area of environmentally and provide advice to industry begin Clean Coal Technologies with IGCC, CFBC etc.
- Preparation of detailed project reports and plant specification.
- Organization workshops, training programmes, seminars, symposia and conferences.

Educational Programmes:

Centre proposes to offer following courses for University / College students:

- Advanced Energy Systems
- Biomass Gasification / Combustion
- Clean Coal Technologies and CDM
- Economic of energy, Energy and Environment
- Energy efficient systems
- Energy for rural development
- Energy management / Energy conservation
- Energy resources and utilization
- Power Plant performance monitoring and testing
- Renewable energy systems
- Role of energy in contemporary society
- Sources and uses of electricity
- Thermal Energy Storage and Recovery
- Waste Heat Recovery and Co-Generation

Number of projects completed by the students for B.E., M.E., Ph.D degree based on Alternative Energy Systems in the Centre for Energy Technology, OU (**upto July 2017**)

- Number of Ph.D : 3 (2 Completed and 1 on-going)
- Number of M.E dissertations : 56(Completed) + 6 (on-going)
- Number of B.E Projects : 16 (Completed)

Sponsored Projects: 8 (Completed)

M.E / M.Tech Projects (Dissertations) Completed

- 1 Modeling and Simulation of low wind speed vertical axis wind turbine, **PasulaRukmini**. 1005-14-745320, 2016
- 2 Enhancing the efficiency of evacuated solar collector tube by using parabolic concentrators, **Ayesha Imroze** 1005-14- 745315, 2016
- 3 Design and analysis of an aero spike for a 2m diameter aerospace vehicle for drag and thermal load reduction, **Debashish Mukherjee** 1005-14-750304, 2017
- 4 Analysis of air driven turbine optimization for aerospace applications , **E.G.K. Venkateswar Rao** 1005-14-750305, 2017
- 5 Performance analysis of turbine and compressor wheels of a turbocharger using CFD, **InapanuriPrasanthi** 1005-15-745320, 2017
- 6 Enhancement of heat transfer with wavy fins automobile radiator using nano fluids through CFD analysis, **Sampath Kumar Nagam** 1005-15-745315, 2017

Publications in Journals/Conferences

- 1 D Mukherjee, **NarsimhuluSanke** “Effect of length of a flat disk aero spike on the drag and thermal characteristic of flow over a blunt body”, International Journal of Emerging Technology and Advanced Engineering (IJETAE) ISSN 2250-2459, Volume 7 (September 2017).
- 2 EGK Venkateswar Rao, **NarsimhuluSanke** “Modeling and Analysis of Air driven Turbine for Aerospace Applications”, International Journal of Emerging Technology and Advanced Engineering (IJETAE) ISSN 2250-2459, Volume 7 (October 2017).

Communication Address

DR.NARSIMHULU SANKE, Director

Centre for Energy Technology

University College of Engineering (Autonomous)

Osmania University, Hyderabad – 500007, India

Tel. No: 040-27096253

Email: cetdirector@gmail.com

Global Initiative of Academic Networks (GIAN)

The MHRD, Govt. of India approved a new program titled Global Initiative of Academic Networks (GIAN) in Higher Education aimed at tapping the talent pool of scientists and entrepreneurs, internationally to encourage their engagement with the institutes of Higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence. For details log on to GIAN Portal: <http://www.gian.iitkgp.ac.in/>

The University College of Engineering, Osmania University has successfully conducted the courses listed below under the above program.

S.No.	Course Name	Foreign Faculty	Host Faculty	Duration
1	Advanced Electromagnetic Engineering Grant: 8.16 Lakhs	Prof.S.M.Rao, Naval Research Laboratory, Washington DC 20375, USA Also Adjunct Professor @ George Mason University, Fairfax, Virginia. & Catholic University of America, 620 Michigan Ave., N.E., Washington.	Dr. D. Rama Krishna, Associate professor, Dept. of ECE,UCE,OU.	02 NOV 2017 - 08 NOV 2017
2	Dynamical Behaviors of Magnetic Systems out of Equilibrium Grant: 8.16 Lakhs	Prof.David Laroze Institute of Advanced Studies, Universidad de Tarapaca. Arica, Chile.	Dr. Y Rameshwar, Asst Professor, Dept of Mathematics, & Dr. P. RameshBabu Professor, Dept of Mechanical Engineering, UCE, OU.	10 NOV 2017- 09 DEC 2017

3	Theory and Application of Correlation Filters for Computer Vision Grant: 5.44 Lakhs	Prof.VijayKumar Bhagavantula U.A. & Helen Whitaker Professor of ECE and the Associate Dean for Graduate and Faculty Affairs in the College of Engineering. At CMU, USA.	Dr. P.Ananth Raj, Emeritus Fellow(UGC) & Dr.L.Nirmala Devi Associate Professor, Dept. of ECE, UCE,OU.	13 NOV 2017-17 NOV 2017
4	Big Data Analytics for Humanitarian Causes Grant: 8.16 Lakhs	Vishnu Pendyala Technical Leader Cisco Inc., San Jose, California, USA	Dr. K.Shyamala, Professor, & Prof.S.Sameen Fatima Professor, Dept of CSE, UCE, OU.	20 NOV 2017-27 NOV 2017
5	Opportunities, Challenges and Research Trends in Wireless Sensor Networks Grant: 5.44 Lakhs	Prof. Mahbub Hassan School of Computer Science and Engineering, The University of New South Wales, Sydney, Australia.	Dr. L. Nirmala Devi, Associate Professor, Dept. of ECE, UCE,OU.	11 DEC 2017 -15 DEC 2017
6	High Voltage Gain Soft-Switching Advanced Current-fed Technologies for Microgrid and Electric Transportation Grant: 5.44 Lakhs	Prof.Akshay Kumar Rathore Associate Professor, Concordia University, Canada	Dr.B.Mangu Professor, Dept of EEE, UCE, OU.	18 DEC 2017-23 DEC 2017

Group Photos of Participants with Foreign Faculty





QUALITY IMPROVEMENT PROGRAMME (QIP)

University College of Engineering, Osmania University is recognized as a Minor Quality Improvement Program (QIP) center to offer admission to PhD degree program in five departments, such as Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering. This program is implemented and monitored by All India Council of Technical Education (AICTE). The Government of India launched the Quality improvement Programme in the year 1970.

One of the main objectives of the programme is to upgrade the expertise and capabilities of the faculty members of the degree level engineering institutions in the country. There are total 74 QIP Centers in engineering stream. Out of which following 9 centers are designated as Major QIP Centers under engineering discipline to undertake the various activities.

The main objective of the OUCE Minor Quality Improvement Programme (QIP) Centre is to provide opportunities to faculty members of the AICTE approved degree-level engineering institutions to improve their qualifications by offering admission to Ph. D. degree programmes. The total number of admissions at University College of Engineering under QIP scheme for the academic year 2017-18 and 2018-19 are as follows:

S.No	Year of Admission	Departments	Number of Students
1	2017-18	CSE	1
2.	2017-18	ECE	3
3.	2018-19	CSE	2
4.	2018-19	ECE	2
5	2018-19	EE	1
6	2018-19	Mech	1

GENERAL FACILITIES

University Health Centre:

The University has a Health Centre located near the Arts College which caters to the needs of student and staff of Osmania University. It is open from 9:00 am to 12:30 pm and from 4:00 pm to 6:00 pm on all working days. Working hours on public holidays and second Saturdays are from 9:00 am to 12:30 pm only. It is closed on Sundays.

SBH Extension Counter :

The State Bank of Hyderabad Extension Counter in the College premises works from 10:30 am to 4:00 pm on all working days, and from 10:30 am to 01:00 pm on Saturdays. In addition to rendering the normal services of any bank, the Extension Counter accepts fees, including exam fee, drafts etc. on behalf of the University. This counter is under renovation so as to give better facilities.

Canteen:

The College Canteen caters to the needs of students and staff, and is open from 9:00 am to 7:00 pm on all working days.

STUDENTS ACTIVITIES CENTRE

The University College of Engineering has created a model facility in the name of Students Activities Centre in the premises of the College adjacent to Sports Complex. This is a kind of facility normally provided in IITs .

Indoor games like caroms, chess, etc., are provided as a recreational activity for students to relax during free time apart from providing few sports magazines.

AUDIO-VISUAL LABORATORY

An Audiovisual Laboratory has been developed in the main building of the University College of Engineering. This laboratory with a maximum seating capacity of seventy two, can meet the following needs of the college:

1. Technical Conferences / Seminars / Symposiums
2. Workshops
3. Guest lectures
4. Faculty meetings
5. Computer based online programmes

Facilities:

Following facilities are available in the audiovisual laboratory:

1. A roof mounted LCD projector with P3 Pentium Computer loaded with necessary software packages to make all kinds of presentations.
2. A 2000 ANSI lumen capacity OHP to make presentations using transparencies.
3. The laboratory is equipped with Internet connection and T.V.tuner. As a result the audience of the laboratory can see the contents of internet as well as view the T.V. channels displayed on the big screen through the LCD projector.
4. Sufficient number of electrical points are provided in order to connect any equipment felt necessary.
5. Best quality public address system with a mike on the speaker table, a mike on the podium table, a cordless collar mike and a remote mike with a 200W amplifier are available.

All seats meant for the participants are equipped with attached writing pads. The writing needs of the speakers on the dias are taken care by the 12'x6' size white board, provided behind the podium. The laboratory is provided with a laser pointer and a manual pointer to facilitate presentations. The comfort of the occupants is taken care in a better way with three numbers of 2.0T capacity room air-conditioners. Concealed lighting, wiring, audio/visual equipment are best in this line of activity. The fire fighting equipment, emergency lamps and the generator connection provided would only enhance the glory and can meet any/all exigencies.

AWARDS & SCHOLARSHIPS (UPDATED)

A number of scholarships are available that are donated by different agencies, including the Government, Private Establishments and Trusts. Detailed information concerning these scholarships will be published from time to time. Some scholarships are offered by the State Government for students coming from their respective states. The Government of India also has a few nominations.

Following Gold Medals/Cash Awards/Scholarships are awarded to the students.

Gold Medals (Academic Year 2016-2017)

1. Dr. B.R. Ambedkar Gold Medal: To be awarded to the outgoing top Rank student of the B.E. topper among all the branches of the Engg. based on the percentage of B.E. 1st year to B.E. 4th year if percentages are equal, then 4th year topper again if equal, then 3rd year topper etc.
Ms. Nunna Apoorva [100513733011]
2. Biomedical Instrumentation Centre Gold Medal : To be awarded every year to the 1st Rank student of B.E. (Bio Medical Engineering).
Ms. Porandla Susmitha [100513731083]
3. Sri K. Ramaswamy Gold Medal : To be awarded every year to the 1st Rank student of B.E. (Civil Engineering).
Ms. P Alekhya Reddy [100513732005]
4. MC Consulting Engineer Pvt. Ltd. Gold Medal: To be awarded to student of B.E. Civil Engineering course 4/4 Year student for Best outgoing.
Ms. P Alekhya Reddy [100513732005]
5. Prof. Waikuntham Gold Medal: To be awarded in memory of his mother Smt. N. Rajya Lakshmi W/o. Late Sri. N. Nagaiah to the outgoing student scoring the highest aggregate marks in all Civil Engg. courses in B.E. Curriculum combined.
Ms. P Alekhya Reddy [100513732005]
6. Mr. Bondugula Narsimha Reddy Gold Medal: To be awarded to top student among the outgoing top to student of B.E. (Civil Engg.) whose parental income is least.
Mr. Eitneni Santhosh Kumar [100513732040]
7. OUCE, CSE Alumni Gold Medal: To be awarded every year to the 1st Rank student of B.E. (Computer Science & Engineering).
Ms. Nunna Apoorva [100513733011]
8. Elico D V S Raju Gold Medal : To be awarded every year to the 1st Rank student of B.E. (Electronics & Communication Engineering).

- Ms. Moguluri Venkatasai Nagalakshmi** [100513735050]
9. 1978-79 Electrical Engineering Batch Alumni Gold Medal : To be awarded every year to the 1st Rank student of B.E. (Electrical & Electronics Engineering).
Ms. Gorti Naga Sai Lakshmi Aparna [100513734028]
10. Sri Neravetla Damodar Reddy Gold Medal: To be awarded every year to the 1st Rank student of B.E. (Electrical & Electronics Engineering).
Ms. Gorti Naga Sai Lakshmi Aparna [100513734028]
11. Sri. Panthulu Pandari Gold Medal: To be awarded to topper among 10 students B.E. (E.E.E.) whose parental income is least.
Mr. Pocham Prudhviraj [100513734036]
12. Prof. Abid Ali Gold Medal : To be awarded every year to the 1st Rank student of B.E. (Mechanical Engineering).
Ms. G Vidya [100513736058]
Ms. Palle Sushma [100513736053]
13. Tahsildar Late Sri Sreepathi Parvath Reddy memorial Gold Medal: To be awarded every year to the Top Ranking Girl Student in B.E. (Mechanical Engineering).
Ms. G Vidya [100513736058]
Ms. Palle Sushma [100513736053]
14. Smt. Shaikfathimabee Gold Medal: To be awarded every year to the outgoing B.E. Mechanical Engg. Muslim Minority Student among top 10 Rankers, if not available any other minority student in the list, and if none of the above are available, than to outgoing 1st Ranker.
Ms. Sara Imtiazuddin [100513736013]
15. Smt. Pendyala Vijaya Srinivas W/o. (Late) Sri. P. Srinivas Rao Gold Medal: To be awarded to the student scoring the highest aggregate marks in all "Mathematics" courses in the B.E. Curriculum combined every year.
Mr. Pocham Prudhviraj [100513734036]
Ms. Sivvannagari sowmya [100513735043]
16. Late Sri Pendyala Srinivas Gold Medal: To be awarded to the meritorious student scoring the highest marks in "Data Structures" its equivalence core course in the B.E. (CSE) curriculum every year whose family income is least.
Mr. V. Aghamarsh [100516733040]
17. Smt. Late. Lilabai Desai Gold Medal: To be awarded to a Master Degree student presently the "Best Thesis in Structural Concrete Construction" of Civil Engineering.
Mr. Md. Khader Vali [100514741120]



FACULTY-ADMINISTRATION INTERACTION

The teaching faculty of all Departments of the College meet on the first Monday of the month to discuss matters of common interest. The administrative staff of the college is encouraged to attend these meetings, to enable discussion of pending issues, if any, of members of the College to be resolved on the spot. These meetings provide an excellent opportunity for both the administrative and the teaching staff to interact with each other and appreciate each other's problems.

STUDENT-TEACHER INTERACTION

The College encourages students to come into close contact with faculty members. There are student counsellors in all engineering departments to advise students on academic and other matters. Each engineering department has its own Professional Association, to enable students to learn more about the engineering profession and what is expected of them in real life. Guest lectures and visits to industries are arranged by these professional associations.

There is a College Council consisting of students and teachers nominated by the Principal under his Chairpersonship. The council discusses student problems, and suggests solutions to them. Informal contact between students and teachers is also encouraged. Further for the redressal of the student's problems there is a Student Affairs Committee headed by Senior Professor of the College.

PARENT-TEACHER INTERACTION

The college conducts Parent-Teachers meet every year and invites the suggestions for improvements of the facilities, if any.

STUDENT CAMPUS LIFE

For all-round development of one's personality, students are encouraged to participate in co-curricular and extra-curricular activities. The students of this college are active in promoting a healthy and constructive atmosphere all around the campus.

To unearth hidden talents in students, the Students have a number of clubs, such as Sports, Literary, Photography, Cultural and Science and Technology. These clubs organize competitions at Inter-college and Inter-



university levels. The students of this College have won many prizes, both at college and national levels.

Our students actively participate in the N.S.S., Social Forestry and N.C.C. programmes. Engineering Hostels I, II and III situated on the campus, are in close proximity to the College.

Each hostel has a warden who is a member of the teaching staff of the college. Girl students are provided accommodation in a separate Girl's Hostel. Each Hostel has one or more Common Rooms, a TV Room and a Reading Room. There are facilities for Indoor Games such as Table-Tennis, Chess, Carom, etc. Hosteller can also make use of the Gymnasium, Cricket, Football, Hockey fields and the Swimming Pool.



ALUMNI ASSOCIATION

The Alumni Association congratulates all the Fresher's on their recent success in the Engineering Entrance Examination and welcomes them with open arms to the most serene and scenic campus of the University College of Engineering, Osmania University. The College has the distinction of being the one of the oldest in India and the biggest among the Engineering Colleges of the State of Telangana.

The one thing common that current students and alumni share is that we sought access to education at a first class institution. While the demographics and the physical structures of College's campuses continue to change, the foundation of excellence upon which this great institution was built remains the same.

This is an exciting and transformative time in every fresher's life. The Association wishes all the fresher's a great life ahead and we are sure it will be great fun. Above all, we encourage the student to take full advantage of the association's programmes to make new friends, make informed career choices; last but not the least cherish & strengthen the rich heritage and vast history of this Institution.

The Alumni Association University College of Engineering, OU

The Alumni Association of University College of Engineering,OU with more than 10000 registered members was formed in 1998. In April,2015, Prof.S.Ramachandram,Principal, OUCE and currently Vice-chancellor of Osmania University constituted a Revival Committee consisting of 16 members to reactivate and strengthen the Alumni Association. The Revival Committee defined the vision and suggested changing the bye-laws to institutionalize the practices.

Starting with the launch of the official Alumni website, www.oucealumni.org, a successful General Body Meeting was conducted subsequently leading to elections. The first officially elected Executive Committee was formed on 17th September, 2015.

Alumni Association of University College of Engineering, OU is a not for profit organization with a soul aim of providing a platform for alumni to come together and support the efforts of College of Engineering in establishing itself as a world class institution. The spirit of the organization is to galvanize the alumni by rejuvenating the memories of their association with OUCE and interacting on a continuous basis with the other alumnus, students and faculty.

The association works with the College of Engineering, University, Faculty and Students to

- Provide a platform for the alumni, foster alumni pride and enhance the reputation of OUCE.
- Enrich the emotional connect among the students, faculty and alumni.
- Extend maximum help to the college.
- Execute special projects: Buildings, Technical Projects, Seminars etc.
- Support to students through Scholarship, Research funding.
- Institute awards for meritorious performance for students.
- Awards for the alumni for their contribution to the college and the society.
- Invoke the spirit of innovation among the students leading to patents.

The major activities undertaken this year as part of the Centenary Celebrations of Osmania University are:

- Center for Excellence Training Development for Faculty & Students of Osmania University
- Free Online Career Development Program for all Students & Research Scholars of UCE
- Facilitating “Osmania Model Village” project; an initiative to adopt 100 Villages by the Alumni of Osmania University along with Gramodaya Chambers of Commerce & Technology (G-CoT)

There are many activities undertaken by the Association but to mention a few of them that could be of great help to you during your stay at University College of Engineering are:

- Career Development Program (Online) for all students from 1st year to 4th year
- Student Innovation, Patent & Research Funding
- Student Mentorship Programmes, Internships & Industry interaction
- Alumni Talks, Speaker Series and Workshops
- Facilitation for participating in the Technology Business Incubator
- Career Guidance and Support
- Be an Office Bearer in the Student Alumni Body
- Official E Mail ID Rollout
- Support for Student Clubs & Other activities

The Alumni Association advises all Fresher's to make use of the facilities offered by the alumni and drop in at the Office of the Association in the Main Building for any help. Also, please do visit our website www.oucealumni.org and register so as to facilitate all the above.

Wish you good luck for all your future endeavours.

For further details please contact:

Er. P. Ram Reddy, President
Dr. D. Vijay Kumar, General Secretary
Alumni Association
University College of Engineering, Osmania University
Osmania Campus, Hyderabad – 500007
E-Mail: gensec@oucealumni.org
Website: <http://www.oucealumni.org>
Phone: +91 40 27096613
Mobile: +91 9490946673

INFRASTRUCTURE OFFICE

Telefax :- 040-27072201

directorinfrastructureuceou@gmail.com

PREAMBLE

The Infrastructure Cell, UCE was established in the year 1995-96 for the purpose of improving and developing the infrastructure facilities and maintenance, for all the departments in the premises of University College of Engineering, Osmania University. It is headed by the Special Officer (Infrastructure) and supported by Supervisor to look after the routine & Regular works of the Infrastructure development in the College. It is also Executing construction works such as minor construction work, compound walls, and maintenance works in the College premises including hostels and all the buildings of the College. .

Contact Officials:

Dr. K.L. Radhika
Special Officer (Infrastructure),
University College of Engineering, OU.
radhikaou@yahoo.com

HOSTEL ADMINISTRATION**Ph. No. 040-27682325**

University College of Engineering (A), O.U., has Four (04) Boys Hostels Namely Kinnera Hostel (ECH-I), New Kinnera Hostel, Ganga Hostel and Swarnamukhi Hostel (ECH-II). BE first year & final year students and all the Three years MCA students are accommodated in Kinnera Hostel (ECH-I) and New Kinnera Hostel, whereas BE Second & Third year students are placed at Ganga Hostel. The Swarnamukhi Hostel is meant exclusively for M.E. / M.Tech. Students. We have One (1) Newly Constructed Girls Hostel for all the Engineering and Technology Girl students. All other M.E./M.Tech./MCA Girl students can seek admission in the Girls Hostel situated on the campus near the University Administrative Building.

The following faculty members are the administrative officers for the Hostels and Messes:

S.No.	Name of the Staff	Designation	Telephone No
1	Prof. Kumar Molugaram	Principal	9849411656
2	Dr. E. Vidya Sagar	Vice Principal	9985256268
3	Dr. B. Hadya	Addl. Chief Warden & Convener	9440349195
4	Dr. K. Saraswathamma	Asst. Chief Warden Girls Hostel & Mess	9032714222
5	Mr. D. Rajasekhar Reddy	Kinnera Hostel Warden	9493190672
6	Mr. Dabhu Suman	Kinnera Hostel Mess Warden	8897855138
7	Dr. L.Siva Rama Krishna	NSS PO Unit-I	9849867046
8	Dr.E. Vidya Sagar	NSS PO Unit-II	9985256268
9	Dr. V. B. Narsimha	Swamamukhi Hostel Warden	9440289828
10	Mrs. G.V. Nagalakshmi	Mess Warden, Girls Hostel	9492047114
11	Dr. L. Nirmala Devi	General warden, Girls Hostel	9949513490
12	Mr. Md. Misbahuddin	Ganga Hostel Warden	9247184538
13	Mr. M. Srinivas	Ganga Hostel Mess Warden	9703063245

Name	Designation	Phone No.
Dr. S. Hari Singh Naik	Chief Warden, O.U	27682274
Prof. P. LaxmiNarayana	Dean, Student Affairs, O.U	27682250
Dr. E. Sujatha	Public Relation Officer, O.U	27682259
Mr. J. Devi Das	S.E (Construction)	27682270
Mr. Ramulu	D . E. E	27682259
Mr. Venkata Ramana	Asst. Engg	27682295
Dr. B. Sathaiah	I/C Chief Medical Officer	27682278
O.U Ambulance		27682351
O.U Police Station		27853570/ 9490616377/

Name	Designation	Phone No.
		9490616378

Emergency Phone Numbers

Osmania General Hospital	:	24600121
Gandhi Hospital	:	27702222
Ambulance	:	27562314
Fire Station	:	55693521

Organisation of Hostels & Messes

Hostels & Messes are under the overall supervision of the Principal. Who is assisted by Additional Chief Warden, Assistant Chief Warden and a team of Wardens (Hostels and Messes).

Each hostel is directly under the control of the warden (Hostel & Mess) who is the faculty member of the University. The Additional Chief Warden's Office is located in the College main building, **Room. No. 143.**

I. Admission and allotment of Accommodation

- Admission into the hostels will be made every year.
- No Admission without accommodation is permissible.
- Students who submit hostel admission form will be consider for admission into Hostel.
- Admission in each hostel will be made strictly according to the actual accommodation available.
- First priority for admission to hostels will be given to SC & ST students from districts based on distance from Hyderabad.
- Second priority for admission to hostels will be given to LBC & EPP students and other students.
- Students seeking SC/ST/LBC/EBC/Minority Scholarship are required to apply for scholarship through online.
- Application for hostel admission must be submitted in person.
- No guarantee on hostel admission is given.
- The allottees must display their names on the door.
- Hostel Admission will be given as per availability of accommodation.
- If any boarder creates obstruction in hostel admission process he will not be allotted hostel room.

II. While residing in the Hostel comply with the following:

- No admission without accommodation is permissible.
- No exemption from payment of Establishment charges is permitted till the admission is cancelled and clearance form is submitted.
- No private servants are allowed to work in the Hostels.

- The Service of watchman on duty should not be utilised for the personal work by the Boarders.
- Unauthorised boarders will endanger conviction under section - 447,448 of I.P.C.
- Allotment of rooms will be done by the concerned Hostel Warden as per the rules of Hostel admissions.
- The University shall not be responsible for any theft, loss and damage to the personal belongings of Boarders.
- The Electric Heaters, Stoves, Iron and other appliances are strictly prohibited, Boarders found violating rules will be penalised.
- Problems of the boarders should be brought to the notice of the higher authorities through the Hostel Clerk/Wardens concerned in WRITING.
- If any unauthorized boarder is found in the room the authorised boarder's admission will be cancelled immediately.
- Residents should strictly avoid any arguments with employees. Any complaint against the employees should be made to the Hostel Clerks or Wardens concerned in WRITING.
- Each resident-Boarder shall be responsible for the cleanliness of the surroundings/room.
- Boarders shall switch off the fans and lights while they are away.
- The service of hostel employees should not be utilised by the residents for personal work.
- No exemption from payment of Hostel & Mess charges is permitted till the admission is cancelled and clearance form is submitted.
- Hostel dues shall be paid regularly; unless the Hostel dues are cleared the hostel admission will not be renewed.
- The mess will be closed for a period not exceeding two months during the annual vacation.
- All dishes shall be served and consumed by boarders only in the Dining Hall.

Note: Mess Timings

BREAKFAST	7.30 A.M	to	9.00 A.M
LUNCH	12.30 Noon	to	2.00 P.M
DINNER	7.00 P.M	to	9.00 P.M

- The Mess charges will be notified by 10th of the following month. All the resident Boarders shall pay the hostel and mess dues before 20th of each month. If the dues are not paid by 20th of the month their mess facility will be stopped.
- Do not keep excess cash in your room keep most of it either in the Post Office or Bank. Lock the door of your room securely. Do not leave your valuables on the table near the window.
- Do not stay and go far out into the fields. Do not accompany any stranger.

- While in the Hostel be in proper dress and when you go out as well.
- Observe all the Hostel Rules as well as the College rules without fail.
- Collect Hostel Identity Card and Mess Card at the time of admission in the Hostel.
- Maintain cordial and harmonious relations with roommates and other boarders of the Hostel.
- Whenever the Boarder does not want to stay in the hostel he has to obtain clearance certificate from the hostel (otherwise the room rent will be charged).
- Mess bill will be uniform for vegetarians and non-vegetarians. The minimum bill shall be charged for full month uniformly.
- Parents should see their Wards pay the mess bills regularly (Mess expenditure) within a fortnight of notification, failing which his/her name will be cancelled from hostel admission.
Note: The Boarders/ Parents needs any clarification may contact Addl. Chief Warden/ Wardens Concerned.

Rules and Regulations of Hostel

- Parents/Guardians/Guests/ Friends of the Boarders can visit only during the stipulated timings given below:-
 - **Weekdays: 4.00 PM to 7.00 PM**
 - **and Public holidays: 10.00 AM to 1.00 PM**
 - **PM to 7.00 PM**
- Resident boarders are advised to be in the hostel by 7.00 pm. The warden may, however, at her discretion, permit a boarder to return but not later than 10.00 pm without fail.
- No resident boarders shall be permitted to proceed on leave without obtaining the permission of the warden in the prescribed form.
- The Boarders, who come to hostel after 10.00 PM and leave the hostel premises after 10.00 PM without prior permission. Appropriate action will be taken against them, who do not take prior permission.
- Visitors are allowed in the prescribed timings and shall not be allowed into the rooms.

SCHOLARSHIP HOLDERS MAY PLEASE NOTE

1. The Boarders, who want to availing scholarship facilities should apply to the concerned authorities. It may be noted that scholarship forms are to be submitted online to the concerned authority.
2. Boarders who are provided Mess and Hostel facility, in anticipation of receipt of amount from Government, will have to pay the entire dues, if



the scholarship applications are rejected by the Government / Sanctioning authorities.

3. The Boarders, who are scholarship holders, should renew their admission into Hostel at the end of each academic year failing which their Hostel and Mess facility will be stopped.
4. All Scholarships are sanctioned by the Government. The College Office or the University is not responsible if the Government/ any funding agency rejects any scholarship applications.

OTHER IMPORTANT TELEPHONE NUMBERS

Head, BME Department	:27090083 / 27682233
Head, Civil Engg. Department	:27097125 / 27682276
Head, CSE Department	:27097577 / 27682343
Head, Electrical Engg. Department	:27098628 / 7682382
Head, ECE Department	:27098213 / 27682277
Head, Mechanical Engg. Department	:27097346 27682317 / 27682287
Public Relation Officer, UCE	:27097577 / 27682317
University Health Centre, OU Campus	:27682278
Night Duty Medical Officer	:27682351

**RAGGING IS UNCIVILISED BESIDES BEING AN OFFENCE.
RAGGING WITHIN OR OUT SIDE ANY EDUCATIONAL INSTITUTIONS IS
PROHIBITED AS PER THE GOVT.OF.A.P ACT NO 26 OF 1997.**

SECTION 4: PENALTY FOR RAGGING

Whoever with intension of causing or with the knowledge that he/she is likely by such act to cause ragging, commits or abets ragging and here by:

- i) Teases or embarrasses or humiliates a student shall be punished with imprisonment for a term which may extend to six months or with the fine which may extend to one thousand rupees or with both; or
- ii) Assaults or uses criminal force to or criminally intimidates student shall be punished with imprisonment for a term which may extend to one year or with fine which may extend to two thousand rupees or both; or
- iii) Wrongfully restrains or wrongfully confines or causes hurt to as student shall be punished with imprisonment for a term which may extend to two years or with fine which may extend to five thousand rupees or both; or
- iv) Causes grievous hurt to or kidnaps or abducts or rapes or commits unnatural offence with a student shall be punished with imprisonment for a term which may extend to five years and with fine which may extend to ten thousand rupees; or
- v) Causes death or abets suicide shall be punished with imprisonment for life or with imprisonment for a term which may extend to ten years and with a fine which may extend to fifty thousand rupees.

DISMISSAL OF STUDENT

- VI) A student convicted of an offence under section 4 above punished with imprisonment for a term shall be dismissed from the college
- VII) A student convicted of an offence under section 4 above punished with imprisonment for a term of more than six months shall not be admitted in any other Educational institutions.

**Registrar
Osmania University**

**HelpLine:
Email: helpline@anti-ragging.in
Phone: 1800-180-5522 (24 X 7 Toll Free)**

OSMANIA UNIVERSITY
HYDERABAD – 500 007

WHAT CONSTITUTES RAGGING?

As per the Telangana State Prohibition of Ragging Act, 1997.

“Ragging” means doing an act which causes or is likely to cause insult or annoyance or fear or apprehension or threat or intimidation or outrage of modesty or injury to a student.

It includes:-

- Mental/Physical/Sexual abuse.
- Verbal abuse.
- Indecent behavior.
- Criminal intimidation/Wrongful restraint.
- Undermining human dignity
- Financial exploitation/ Extortion
- Use of force
- Consumption of Alcohol/ Intoxication
- Drug Trafficking
- Rash and negligent driving etc.

RAGGING IN ANY FORM IS PUNISHABLE.
DO REPORT INCIDENTS OF RAGGING.

The offence of the ragging is not only punishable under section 4 of Telangana State Prohibition of Ragging Act 1997 but also under various provisions of the IPC, 1860 (Act 45 of 1860) and is a Cognizable Offence (Arrest without Warrant)

Join Hands to make the College Campus Ragging Free

Registrar,
Osmania University

OSMANIA UNIVERSITY
HYDERABAD – 500 007

CONSEQUENCES OF RAGGING

As per the Supreme Court Orders, the following actions will be taken on those students who indulge in ragging :-

1. Withholdings of Scholarships/ Fellowships / Results.
2. Debarring from Representation in Events and Appearing for Tests/ Examinations.
3. Declaring them ineligible for any other degrees.
4. Denial of admission to any other Institutions.
5. Withdrawing Benefits like Travel Concessions and Campus selections.
6. Suspension or Expulsion from Hostel or Mess or College selections.
7. Cancellation or Expulsion from Hostels or Mess or College.
8. Liability to pay a fine up to Rs. 2.5 Lakhs.
9. Imprisonment up to 10 years.
10. Registration of FIR against the accused and Prosecute under the Indian Penal Code, 1860.

Important Note:-

If any student is found indulging in ragging, it may be brought to the notice of Member/Coordinator/Chairperson of the ANTI RAGGING COMMITTEE of the College immediately

Registrar,
Osmania University