
HAND BOOK



2017-2018



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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.	PhD	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.
- Advancement of knowledge in engineering, science and technology.
- Promote learning in free thinking and innovative environment.
- Cultivate skills, attitudes to promote knowledge creation.
- Rendering socially relevant technical services for the community.
- To impart new skills of technology development.
- To inculcate entrepreneurial talents and technology appreciation programmes.
- Technology transfer and incubation.



ACADEMIC PROGRAMMES

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

Doctoral programs 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 represents not only a link between the academia and the local community, but is a 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 Programs: 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	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
		Railway Signalling and Telecommunication Engg.	2016	30
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	1975	15
		Systems and Signal Processing	1975	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	Part time	Full time	Part time	Full time	Part time	Full time	Part time	Full time	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	65	-	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
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		--

Note: Guides working only in Recognized Institutions has been shown.

NBA Accredited Programs

Under Graduate Programs: 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	2Yrs (2013-15)
5	Electrical Engineering	5Yrs (2013-18)
6	Mechanical Engineering	5Yrs (2013-18)

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

S. No.	Courses	Specializations	Accreditation
1	Civil Engineering	Structural Engg.	3Yrs (2013-16)
		Water Resources Engineering	3Yrs (2013-16)
2	Computer Science & Engg.	Computer Science & Engineering	3Yrs (2013-16)
3	Electrical Engineering	Power Systems	3Yrs (2014-17)
4	Mechanical Engineering	Production Engg	3Yrs (2013-16)
		Turbo Machinery	3Yrs (2013-16)
		Automation & Robotics	Applied

Academic Calendar



UNIVERSITY COLLEGE OF ENGINEERING
(Autonomous)



OSMANIA UNIVERSITY, HYDERABAD

ACADEMIC CALENDAR for B.E.I & II SEMESTER (All Branches) 2017-2018

S.No	B.E. I SEMESTER	
1	Commencement of Instruction	24 July 2017
2	Annual Academic Awards Function	01 September 2017
3	First Class Tests	11 to 14 September 2017
4	Engineers Day	15 September 2017
5	Submission of Test -I Marks on or before	21 September 2017
6	Dussara Vacation	25 to 30 September 2017
7	Recommencement of Instruction	03 October 2017
8	Second Class Tests	31 Oct. to 03 Nov. 2017
9	Submission of Test -II Marks on or before	10 November 2017
10	Last Date of Instruction	11 November 2017
11	Preparation Holidays and Practical Examinations	13 – 25 Nov. 2017
12	Submission of Sessional (CIE) Marks on or before	18 November 2017
13	Theory Examinations (Main and Supplementary)	27 Nov. to 16 Dec. 2017
B.E. II SEMESTER		
14	Commencement of Instruction	18 December 2018
15	Parent-Teacher's Meet	30 December 2018
16	Winter Vacation	08 - 13 January 2018
17	First Class Tests	12 - 15 Feb. 2018
18	Submission of Test 1 Marks on or before	22 February 2018
19	Students Technical Symposia	23 & 24 February 2018
20	Annual Sports Day	02 March 2018
21	Second Class Tests	28 - 31 March 2018
22	Submission of Test 2 Marks on or before	06 April 2018
23	Last Date of Instruction	07 April 2018
24	Preparation Holidays, Practical Examinations	09 - 21 April 2018
25	Submission of Sessional (CIE) Marks on or before	14 April 2018
26	Theory Examinations (Main and Supplementary)	23 Apr. – 12 May 2018
27	Summer Vacation for Teaching Faculty(4-Weeks)	07 May to 02 June 2018
28	Commencement of Next Academic Year	02 July 2018



**UNIVERSITY COLLEGE OF ENGINEERING
(Autonomous)**



**OSMANIA UNIVERSITY, HYDERABAD
ACADEMIC CALENDAR for B.E III IV, V & VI Sem
and B.E. 4/4 years (All Branches) 2017-2018**

B.E III, V SEMESTERS & B.E. 4/4 I-SEMESTER		
1	Commencement of Instruction	03 July 2017
2	First Class Tests	21 - 24 August 2017
3	Submission of Test -1 Marks on or before	31 August 2017
4	Annual Academic Awards Function	01 September 2017
5	Engineers Day	15 September 2017
6	Dussara Vacation	25 – 30 Sept.2017
7	Recommencement of Instruction	03 October 2017
8	Second Class Tests	11 - 14 October 2017
9	Submission of Test 2 Marks on or before	20 October-2017
10	Last Date of Instruction	21 October-2017
11	Preparation Holidays and Practical Examinations	23 Oct. to 04 Nov. 2017
12	Submission of Sessional (CIE) Marks on or before	25 October-2017
13	Theory Examinations (Main and Supplementary)	06 Nov. to 02 Dec.2017
B.E IV, VI SEMESTERS & B.E. 4/4 II-SEMESTER		
14	Commencement of Instruction	04 December 2017
15	Parent-Teacher's Meet	30 December 2017
16	Winter Vacation	08 to 13 January 2018
17	Recommencement of Instruction	15 January 2018
18	First Class Tests	22 to 25 January 2018
19	Submission of Test 1 Marks on or before	02 February 2018
20	Students Technical Symposia	23 & 24 February 2018
21	Annual Sports Day	02 March 2018
22	Second Class Tests	14 - 17 March 2018
23	Submission of Test 2 Marks on or before	23 March 2018
24	Last Date of Instruction	24 March 2018
25	Preparation Holidays, Practical Examinations & Project Viva-Voce	26 Mar. to 07 April 2018
26	Submission of Sessional (CIE) Marks on or before	30 March 2018
27	Theory Examinations (Main and Supplementary)	09 Apr. to 05 May 2018
28	Summer Vacation for Teaching Faculty (4-Weeks)	07 May to 02 June 2018
29	Commencement of Next Academic Year	02 July 2018



**Almanac for ME/M.Tech
for the Academic year 2017-2018
(Regular and Part-Time)**



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

S.No	Particulars	I - SEMESTER(Reg & PTPG), III - SEMESTER (PTPG)
1	Registration of Subjects and Commencement of Instruction	28 August 2017
2	Dussara Vacation	25 to 30 September 2017
3	Recommencement of Instruction	03 October-2017
4	First Class Test	18 to 20 October-2017
5	Submission of Test-1 Marks on or before	27 October-2017
6	Second Class Test	11 to 13 December 2017
8	Submission of Test-2 Marks on or before	21 December 2017
9	Last Date of Instruction	23 December 2017
10	Display of Attendance and Sessional Marks	26 December 2017
11	Theory Examinations	01to 20 January-2018
13	Make- up Examinations	19 February-2018 to 10 March -2018
II -SEMESTER (Reg & PTPG), IV -SEMESTER (PTPG)		
14	Registration of Subjects and Commencement of Instruction	29 January 2018
15	First Class Test	19 to 21March 2018
16	Submission of Test-1 Marks on or before	30 March 2018
17	Summer Vacation for Teaching Faculty	07 May to 02 June 2018
18	Recommencement of Instruction	04 June 2018
19	Second Class Test	06 to 08 June 2018
20	Submission of Test-2 Marks on or before	14 June 2018
21	Last Date of Instruction	16 June 2018
22	Display of Attendance and Sessional Marks	19 June 2018
23	Theory Examinations	25 June to 14-July-2018
25	Make- up Examinations	13 August 2018



**Almanac for ME/M.Tech Project Evaluation &
Submission for the Academic year 2017-2018
(Regular and Part-Time)**

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



Sl. No.	Particulars	III-Semester (Reg) and V-Semester (PTPG)	IV-Semester (Reg) and VI-Semester (PTPG)
1.	Registration	28 August 2017	25 December 2017
2.	Project Seminar & (Presentation & Evaluation)	18 to 23 Dec.2017	--
3.	Last date of submission of Draft Dissertation & Internal Viva-Voce Examination	--	02 April 2018
4.	Internal Viva-Voce Examination	--	09 to 14 April 2018
5.	Submission of approved thesis by all students for External Evaluation	--	27 April 2018
6.	Conduct of External Viva-Voce Examination	--	27 April to 05 May 2018
7.	Late Submission & Internal Viva-Voce Examination	--	04 to 09 June 2018
8.	Conduct of External Viva-Voce Examination (for Late Submission)	--	11 to 16 June 2018

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. University Grants Commission of India conferred autonomy status to the college for a period of 6 years (2010-11 to 2015-16).

The UG Programs 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 Accreditation 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 awarded 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) enhancement of research publications of staff by three folds, iii) introduction of Six PG programs 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 programs. The college has been selected for TEQIP phase III twinning program with a financial assistance Rs. 7 crores. The college has been granted “Visveswaraya PhD scheme for Electronics and IT” for full time PhD program. The GIAN program of MHRD has sanctioned 6 programs in specialized research area to the college.



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 Dr. Santosh Satya, IIT Delhi
 UGC Nominee
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VICE-PRINCIPAL

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 Dr. Preeti Chandra
 Senior Scientist – ASL, DRDO, Hyderabad.

Dean, UGC Affair, OU
 Director, Academic Audit Cell, OU
 Principal, Univ. College of Technology, OU

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	All the Chairpersons, BOS, OU
	All the Professors of the College, UCE
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PRO, UCE, OU	Dr. K. Shashikanth

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Mrs. S. Geeta (Deputy Registrar, Ex-Officio)

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Dr. B.Rajendra Naik (ECE)
Prof. P.Usha Sri (ME)

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Dr. P. Naveen Kumar (ECE)
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Smt. A. Uma Devi (BME, Lab Asst.)

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Prof. P. Ramesh Babu

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Dr. P. V.Sudha
Dr. B. Rajendra Naik
Mr. D. Suman
Dr. R. Srinivas kumar

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Student Advisor

Dr. Narsimhulu Sanke



a. Games and Sports

Chairperson	Prof. A. Krishnaiah (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 Mr. V. Uma Maheshwar Dr. P.V. Sudha Dr. R. Hemalatha

DIAMOND JUBILEE LIBRARY

Chairperson	Prof. S. Sameen Fatima (Principal)
Vice Chairperson	Prof. G. Yesuratnam
Members	Prof. M. Malini (BME) Dr. K.L. Radhika (CE) Dr. P. Srinivas (EE) Prof. P. Chandra Sekhar (ECE) Mr. V. Nageswara Rao (ME) Dr. P. Damodar (Librarian)
Convener	

CANTEEN COMMITTEE

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

TEQIP-III

Project Coordinator	Prof. Sriram Venkatesh
Nodal Officer, M & E	Prof. A. Krishnaiah
Nodal Officer, Academic	Prof. M. Gopal Naik
Nodal Officer, Finance	Prof. K. Shyamala
Nodal Officer, Procurement	Dr. E. Vidyasagar

EXAMINATION CELL (UCE)

Director of Evaluation	Prof. M. Manjula
Joint Director of Evaluation (P.G)	Prof. P. Raja Sekhar
Joint Director of Evaluation (U.G)	Dr. P. Srinivas

HOSTEL COMMITTEE**Chairperson**

Prof. S. Sameen Fatima (Principal)

Vice Chairperson

Prof. A. Krishnaiah (Vice Principal)

Members

Asst. Chief Warden

Dr. B. Rajendra Naik

Addl. Chief Warden Girls Hostel & Mess

Dr. K. Saraswathamma

General Warden Girls Hostel

Dr. L. Nirmala Devi

Mess Warden Girls Hostel

Mrs. G.V. Nagalakshmi

General Warden Kinnera Hostel

Mr. D. Rajashekar Reddy

Mess Warden Kinnera Hostel

Dr. B. Hadya

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, 1st year class room complex

Coopted Member

EMPLOYEES' GRIEVANCE COMMITTEE**Chairperson**

Prof. A. Krishnaiah (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. S. Sameen Fatima (Principal)

Convener

Prof. A. Krishnaiah (Vice Principal)

Representatives of Teachers

Prof. P. Ramesh Babu, President, ECTA

Association

Dr. E.Vidya Sagar, Secretary, ECTA

OTHER ADMINISTRATIVE OFFICERS - UCE(A)

- | | | |
|-----|--------------------------|--|
| 1. | Prof. P. Pansa Reddy | Coordinator,
Science & Humanities Class Room Complex. |
| 2. | Dr. E. Vidyasagar | Co-ordinator TDC Building-UCE. |
| 3. | Dr. K. L. Radhika | Special Officer (IS) UCE |
| 4. | Mrs. N. Srilatha | Lady Student Advisor |
| 5. | Dr. L. Siva Rama Krishna | NSS Program officer-Unit-I |
| 6. | Dr. E. Vidyasagar | NSS Program officer-Unit-II |
| 7. | Mrs. S. Geeta | Deputy Registrar, Ex-Officio |
| 8. | Mrs. N. Nivedeta | Assistant Registrar, Ex-Officio |
| 9. | Dr. D. Ramakrishna | Coordinator, GIAN & VAJRA Programs |
| 10. | Dr. E. Vidyasagar | Coordinator Incubation Centre, UCE, OU |



11. Dr. V. B. Narasimha Addl. Chief Superintendent, Exams, UCE & Special Officer (Maintenance), UCE
12. Dr. J. Upendar E-Liason Officer, Website Incharge, UCE, Assistant Chief Superintendent, Exams, UCE

OTHER ADMINISTRATIVE OFFICERS - OU

1. Prof. S. Sameen Fatima (Principal) Director, Center for Women Studies, OU, Chairperson, ICC, OU
2. Prof. P. Laxminarayana Dean, Students Affairs, OU & Special Officer, OU Alumni Association
3. Prof. Sriram Venkatesh Director, University Guest House, OU & Director, IQAC, OU
4. Prof. A. Krishnaiah Director, EDC, OU
5. Prof. P. Usha Sri Spl. Officer, Foreign Students Counselling
6. Prof. M. Gopal Naik Director, Infrastructure, OU
7. Prof. P. Ramesh Babu Special Officer, Automation, OU & Co-convenor, PGECET-2017
8. Prof. P. Raja Sekhar Joint Director, University Foreign Relations Office, OU
9. Dr. Narsimhulu Sanke Addl. Controller of Examinations, P-I, OU
10. Dr. P. Satish Kumar Addl. Controller of Examinations, (Conf.) OU

ANTI RAGGING COMMITTEE

S.No.	Name of the Staff	Position	Designation	Telephone No
1	Prof. S. Sameen Fatima	Chairperson	Principal	9848519860
2	Prof. A. Krishnaiah	Vice Chairperson	Vice Principal	9440834065
3	Mr. M. Venkateswara Rao	Member	Head, Dept. of BME	9849803940
4	Prof. V. Bhikshma	Member	Head, Dept. of Civil	9949638885
5	Prof. K. Shyamala	Member	Head, Dept. of CSE	9490219882
6	Mr. M.V. Ramana Rao	Member	Head, Dept. of EE	9848069129
7	Dr. B. Rajendra Naik	Member	Head, Dept. of ECE, Addl. Chief Warden	9441222226
8	Prof. P. Ushasri	Member	Head, Dept. of ME	9885899584
9	Prof. A. Panasa Reddy	Member	Co-ordinator H & S Block Head, Dept. of Chem.	9849957268
10	Mr. C. Venkata Subba Rao	Member	Head, Dept. of English	9440474457
11	Dr. V. Kiran	Member	Head, Dept. of Maths	9912959615
12	Dr. N. Narasimlu	Member	Head, Dept. of Physics	9949617555
13	Mr. V. Uma Maheswar	Member	Placement Officer	9885085670
14	Prof. B. Sunil Kumar	Member	Physical Director	7032479481
15	Dr. K. Saraswathamma	Member	Asst. Chief Warden Girls Hostel & Mess	9032714222



S.No.	Name of the Staff	Position	Designation	Telephone No
16	Dr. Narsimhulu Sanke	Coordinator	Student Advisor	9885415325
17	Mr. D. Rajasekhar Reddy	Member	Kinnera Hostel Warden	9493190672
18	Dr. B. Hadya	Member	Kinnera Hostel Mess Warden	9440349195
19	Mr. D. Suman	Member	NCC Coordinator	8897855138
20	Dr. L.Siva Rama Krishna	Member	NSS PO Unit-I	9849867046
21	Dr.E. Vidya Sagar	Member	NSS PO Unit-II	9985256268
22	Dr. V. B. Narsimha	Member	Swamamukhi Hostel Warden	9440289828
23	Mrs. G.V. Nagalakshmi	Member	Mess Warden Girls Hostel	9492047114
24	Dr. L. Nirmala Devi	Member	General warden, Girls Hostel, UCE	9949513490
25	Mr. Md. Misbahuddin	Member	Ganga Hostel Warden	9247184538
26	Mr. M. Srinivas	Member	Ganga Hostel Mess Warden	9703063245
27	Mr. S. Geetha	Member	Deputy.Registrar	9160097018
28	Dr. P. Damoder	Member	Librarian	9059405311
29	Dr. K. Shashikanth	Member	Public Relation Officer, UCE	9440951800

OTHER IMPORTANT TELEPHONE NUMBERS

Prof. P. Laxminarayana Dean, Student Affairs, O.U	9490792307	Corcle 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	Mr. 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	Mr. D. Rajashekar Reddy	Member	Asst. Professor	9493190672

Squad – V (1st Year – H & S)

S.No.	Name of the Staff	Position	Designation	Tele. No
1	Dr. S. Narender Reddy	Convener	Asso. Professor	9949055469
2	Dr. V. Naga Raju	Member	Asst. Professor	9440496134

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. K. E. Ch. Vidyasagar	9908143701
4.	B.E. 4/4	Mr. M.Srinivas	9703063245
S. No.	M.E.	Faculty Advisor	Mobile No.
5.	M.E. 1/2Programme	Mrs. G. Shravanya	9603658232
6.	M.E. 2/2Programme	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.	Mr. D. Rajashekar Reddy	9493190672
4.	B.E. 4/4	Dr. K. Shashikanth	9440951800
S. No.	M.E.	Faculty Advisor	Mobile No.
5.	M.E. (Structural Engg)	Dr. D. Rupesh Kumar	9985542205
6.	M.E. (W.R.E)	Prof. P. Raja Sekhar	9989597500
7.	M.E. (Geo.Tech.Engg)	Prof. T. Sambaiah	9848310377
8.	M.E. (Const.Engg&Man)	Dr. K. L. Radhika	9849130279
9.	M.E. (Transp.Engg)	Dr. R. Srinivasa Kumar	9491124241
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. 4/4	Mrs.P.V.Sudha	9492754480
S. No.	M.E.	Faculty Advisor	Mobile No.
5.	M.Tech. CSE	Dr. K.Shyamala	9490219882
6.	M.Tech(Parallel Distributed Systems)	Dr. K.Shyamala	9490219882
7.	M.Tech(Embedded computing Systems)	Dr. K.Shyamala	9490219882
IV	Electrical Engineering		
1.	B.E. 1 st & 2 nd Sem.	Mr. Ch. Shiva Kumar	9493402149
2.	B.E. 3 rd & 4 th Sem.	Dr. E.Vidyasagar	9985256268
3.	B.E. 5 th & 6 th Sem.	Dr.P. Satish Kumar	9849072342
4.	B.E. 4/4	Prof.P.V.N.Prasad	9490016133
S. No.	M.E.	Faculty Advisor	Mobile No.



S.No.	Department	Mentors Name	Mobile No.
5.	ME. (IDC)	Mrs. N. Susheela	9848995532
6.	ME. (PS)	Mrs. G.V. Nagalakshmi	9492047114
7.	ME. (PES)	Mrs.E.Sreeshobha	9441276995
V ECE			
1.	B.E. 1 st & 2 nd Sem.	Mr. M.Shyamsunder	9885444203
2.	B.E. 3 rd & 4 th Sem.	Mrs. R.Sandhya	9985701533
3.	B.E. 5 th & 6 th Sem.	Mr.Md Misbahuddin	9247184538
4.	B.E. 4/4	Mrs A.Bharathi	9959004947
S. No.	M.E.	Faculty Advisor	Mobile No.
5.	ME. (DSC)	P. Padma	9985644039
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.	Dr. 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. 4/4	Prof. P.Usha Sri	9885899584
S. No.	M.E.	Faculty Advisor	Mobile No.
5.	ME. (Production)	Dr. K. Saraswathamma	9032714222
6.	ME. (Automation & Robotics)	Mr.E. Madhusudhan Raju	9701948712
7.	ME.(TurboMachinery)	Dr.Narsimhulu Sanke	9885415325
8.	ME. (CAD/CAM)	Mr. G. Narender	9160003716
9.	ME. (Tool Design)	Dr. P. Ramesh Babu	9440546858
10.	ME (DFM)	Dr.L. Siva Rama Krishna	9849867046

List of Teaching Staff with contact details

S.No	Name	Designation	Mobile No.	E-mail ID
1.	Prof. S. Sameen Fatima	Principal	9848519860	sameenf@gmail.com
2.	Prof. A. Krishnaiah	Vice Principal	9440834065	kris_arakanti@yahoo.com
3.	Mr. S. Geeta	Deputy Registrar	9160067018	geetagopal63@gmail.com
Bio-Medical Engineering				
4.	Mr. M. Venkateswara Rao(Head)	Assoc. Prof.	9849803940	mekavrao@gmail.com
5.	Dr. M. Malini	Professor	9849648110	modigonda.malini@gmail.com
6.	Mr. Dabbu Suman	Asst. Prof.	8897855138	dabbu_suman@yahoo.co.in
7.	Mr.M. Srinivas	Asst. Prof.	9703063245	medisrinivas@gmail.com
8.	Mrs. G. Shravanya	Asst. Prof.	9603658232	gshravanya@gmail.com
9.	Mr.K.E.Ch.Vidyasagar	Asst. Prof.	9908143701	vidyasagar.ou@osmania.ac.in
10.	Mr. Kiran Kore	Asst.Prof(C)	9502161026	shashi26kiran@gmail.com
11.	Mr.K. Harish	Asst.Prof(C)	9866289232	k_harish2004@yahoo.com
12.	Mrs. B. Gayathri	Asst.Prof(C)	9491115854	gayathri_bulusu@yahoo.com
Civil Engineering				
13.	Prof. V. Bhikshma (Head)	Professor	9949638885	v.bhikshma@yahoo.co.in
14.	Prof. Ravande Kishore	Professor	9848081824	kravande@yahoo.com



S.No	Name	Designation	Mobile No.	E-mail ID
15.	Prof. V. S. S. Kumar Vice-Chancellor, JNTUK	Professor	9849037843	vsskumar1958@hotmail.com
16.	Prof. M. Kumar	Professor	9849411656	kumartrans@gmail.com
17.	Prof. N. Suresh Kumar	Professor	9441603791	nskdr@yahoo.co.in
18.	Prof. M. Gopal Naik	Professor	9490685098	mgnaik@gmail.com
19.	Prof. M. A. Prasad	Professor	8885287993	anjan62@rediffmail.com
20.	Prof. T. Sambaiah	Professor	9848310377	sambaiaht@yahoo.com
21.	Prof. P. Raja Sekhar	Professor	9989597500	sekharpr@yahoo.com
22.	Dr. K. L. Radhika	Assoc. Prof.	9849130279	radhikaou@yahoo.com
23.	Dr. M. V. S. Sreedhar	Assoc. Prof.	9848487187	mvs_sreedhar@yahoo.com
24.	Dr. K. Shashikanth	Assoc. Prof.	9440951800	kulkarni.shashikanth@gmail.com
25.	Dr. D. Rupesh Kumar	Assoc. Prof.	9985542205	rk_dhondy@rediffmail.com
26.	Mr. D. Rajashekar Reddy	Assoc. Prof.	9493190672	dudipalars@yahoo.com
27.	Dr. R. Srinivasa Kumar	Asst. Prof.	9491124241	rungoz@yahoo.com
28.	Mrs. D. Annapurna	Asst. Prof.	9866832758	annapurna_ouce@yahoo.com
29.	Mrs. S. V. S. N. D. L. Prasanna	Asst. Prof.	9866055943	prasanna_sree7@yahoo.com
30.	Mrs. P. Anuradha	Asst. Prof.	9949373244	anuradhaouce@gmail.com
31.	Mr. R. Rajender	Asst. Prof.	7799061696	rajenderrampally@gmail.com
32.	Mrs. A. Usha Sri	Asst.Prof. (C)	9866248415	ushaamancherla@gmail.com
33.	Mr. L. Ajay Kumar	Asst. Prof. (C)	9160989555	ajay.ouce@gmail.com
Computer Science Engineering				
34.	Prof. K. Shyamala (Head)	Professor	9490219882	prkshyamala@gmail.com
35.	Prof. P.Premchand	Professor	9490666865	drpreemchand_p@yahoo.com
36.	Prof. S. Ramachandram, Vice-Chancellor, O.U	Professor	9491382932	schandram@gmail.com
37.	Prof. S. Sameen Fatima	Professor	9848519860	sameenf@gmail.com
38.	Prof. P. Ram Kumar	Professor	9985211849	penuram@gmail.com
39.	Mr. S. Srinivas Rao	Assoc. Prof.	9848117486	surapaneni66@indiatimes.com
40.	Mr. S.Rambabu	Assoc. Prof.	9908573867	rbsakamuri@yahoo.co.in
41.	Mr.L. K.Suresh Kumar	Assoc. Prof.	9492430755	suresh.lokhande@gmail.com
42.	Mr. M.Venkat Dass	Assoc. Prof.	9440488428	vmaredu@gmail.com
43.	Dr. P. V. Sudha	Assoc. Prof.	9492754480	sudha392623@yahoo.com
44.	Dr. V.B. Narsimha	Asst. Prof.	9440289828	vbnarasimha@gmail.com
45.	Dr. B. Sujatha	Asst. Prof.	9948625313	sujatha2003@yahoo.com
46.	Dr.M.A. Hameed	Asst. Prof.	9849638102	professor.hameed@gmail.com
47.	Mrs. E. Pragnavi	Asst. Prof.	8008750347	pragnavi@gmail.com
48.	Mrs. V.Sukanya	Asst. Prof.	9949403096	Vupala.sukanya@gmail.com
49.	Mr.K. Srinivasa Reddy	Asst.Prof(C)	9989708234	ksreddy.ou@gmail.com
50.	Mrs. K. Pranitha Kumari	Asst.Prof(C)	9959360405	pranithakk@yahoo.co.in
51.	Mr. I. Govardhana Rao	Asst.Prof(C)	9704698876	igrao10@gmail.com
52.	Mr.M. Thirupathi	Asst.Prof(C)	9949026291	thiru.maru@gmail.com
53.	Mrs. A. Gayathri	Asst.Prof(C)	9396652396	gayathri.aruta@gmail.com
54.	Mr. M.Narender Reddy	Asst.Prof(C)	9440591069	narendarreddym@gmail.com
55.	Mr. K.Satyanarayana	Asst.Prof(C)	9246802146	satya0401@yahoo.com
56.	Mrs. S. Radha Rani	Asst.Prof(C)	9912235358	ramsmcaou@gmail.com
57.	Mrs. K.Jaya	Asst.Prof(C)	9440974618	kasturi-jaya@yahoo.co.in
58.	Mrs.C.Vani	Asst.Prof(C)	8985883404	vanisundar2009@gmail.com
Electrical Engineering				
59.	Mr. M.V. Ramana Rao(Head)	Assoc. Prof.	9848069129	ramanarao2@yahoo.co.in



S.No	Name	Designation	Mobile No.	E-mail ID
60.	Dr. P.V.N. Prasad	Professor	9490016133	Pvnprasas09@gmail.com
61.	Dr. G. Yesuratnam	Professor	9963905932	ratnamgy2003@gmail.com
62.	Dr. M.Manjula	Professor	9948915758	manjulagooga@gmail.com
63.	Dr. B. Mangu	Professor	9849794210	bmanguou@gmail.com
64.	Dr. G. Malleshham	Assoc. Prof.	9502133334	malleshhamg@yahoo.com
65.	Dr. P. Srinivas	Assoc. Prof.	9885364862	srinivasp.eedou@gmail.com
66.	Dr. E. Vidyasagar	Assoc. Prof.	9985256268	evsuceou@gmail.com
67.	Dr. P. Satish Kumar	Assoc. Prof.	9849072342	satish_8020@yahoo.co.in
68.	Mr. Ch. Shiva Kumar	Asst. Prof.	9493402149	ch_siva_kumar@rediffmail.com
69.	Mrs. G.V. Naga Lakshmi	Asst. Prof.	9492047114	gvnlakshmi@rediffmail.com
70.	Mrs. E. Sree Shobha	Asst. Prof.	9441276995	shobhasree555@gmail.com
71.	Mr. R. Linga Swamy	Asst. Prof.	9885538307	rlswamy@gmail.com
72.	Mrs. N. Susheela	Asst. Prof.	9848995532	nsusheela2007@yahoo.com
73.	Mr. P. Lokender Reddy	Asst. Prof.	9618071041	lokenderreddyp@gmail.com
74.	Mrs. N. Srilatha	Asst. Prof.	9912041450	srilatha.sesham@gmail.com
75.	Mrs. B. Sirisha	Asst. Prof.	9440347320	sirishab2007@yahoo.com
76.	Dr. J. Upendar	Asst. Prof.	8500003210	dr.8500003210@gmail.com
77.	Mrs. U. Suryavalli	Asst. Prof.	8978151429	108.surya@gmail.com
78.	Mrs. G. Jhansi Rani	Asst. Prof(C)	9603230936	jhansirani99@yahoo.co.in
79.	Mr. S. Vijdender Reddy	Asst. Prof(C)	9492529697	vijender_100@yahoo.co.in
80.	Mr. G. Kiran Kumar	Asst. Prof(C)	9652089997	kirankumargollapelli@gmail.com
81.	Mr. G. Srikanth	Asst. Prof(C)	9866376896	gkanthu@gmail.com
Electronics & Communications Engg.				
82.	Dr. B. Rajendra Naik (Head)	Assoc. Prof.	9441222226	rajendranaikb@gmail.com
83.	Dr. P. Chandra Sekhar	Professor	9866695963	sekharpaidimarry@gmail.com
84.	Dr. R. Hema Latha	Assoc. Prof.	9849199894	hemalatha.rallapalli@gmail.com
85.	Dr. L. Nirmala Devi	Assoc. Prof.	9949513490	nagiitkgp@yahoo.co.in
86.	Dr. D. Ramakrishna	Assoc. Prof.	9441154911	dasariramakrishna@yahoo.com
87.	Dr. P. Naveen Kumar	Assoc. Prof.	9985701254	naveen.gps@gmail.com
88.	Mrs. P. Koti Laxmi	Assoc. Prof.	8985415421	lakshmi_ponnuri@yahoo.com
89.	Ms. P. Padma	Asst. Prof.	9985644039	padmadandiyala@gmail.com
90.	Mr. M. Shyam Sunder	Asst. Prof.	9885444203	shyam0406@yahoo.co.in
91.	Mr. Md. Misbahuddin	Asst. Prof.	9247184538	misbah426@gmail.com
92.	Mrs. A. Bharathi	Asst. Prof.	9032805273	bharathig8@gmail.com
93.	Mrs. R. Sandhya	Asst. Prof.	9985701533	balreddysreddy@yahoo.co.in
94.	Mrs. P. Srividya	Asst. Prof.	9989661601	puttysrividya8@gmail.com
95.	Mr. K.Prem Kumar	Asst.Prof(C)	9700378307	premkumarkondi@gmail.com
96.	Mr. B. Ramesh	Asst.Prof(C)	9010415671	rams.chanti@gmail.com
97.	Mr. R. Narendra Reddy	Asst.Prof(C)	9177765762	rnarendraee@gmail.com
98.	Mr. G. Kishore Kumar	Asst.Prof(C)	8686937017	gundati.kishore@gmail.com
Mechanical Engineering				
99.	Prof. P. Ushasri (Head)	Professor	9885899584	emailushasri@yahoo.com
100.	Prof. P. Laxminarayana	Professor	27006606	plaxou@yahoo.com
101.	Prof. Sriram Venkatesh	Professor	9440408333	venkatmech@yahoo.com
102.	Prof. A. Krishnaiah	Professor	9440834065	kris_arakanti@yahoo.com
103.	Prof. P. Ramesh Babu	Professor	9440546858	prbmechou@yahoo.com
104.	Prof. R. Rajendra	Professor	9494560763	regaraj@gmail.com



S.No	Name	Designation	Mobile No.	E-mail ID
105.	Prof. M. Chandra Sekhar Reddy	Professor	9866584298	sekhar_mrc@yahoo.com
106.	Mr. V. Nageswara Rao	Assoc. Prof.	9849416366	vnageswararao.ou@gmail.com
107.	Dr. M.V. Ramana Murthy	Assoc. Prof.	9849323139	mvramanamurthy@rediffmail.com
108.	Mr. V. Uma Maheshwar	Assoc. Prof.	9885085670	emailvum@yahoo.com
109.	Dr. B. Hadya	Assoc. Prof.	9440349195	hadya.ou@gmail.com
110.	Dr. K. Saraswathamma	Assoc. Prof.	9032714222	saraswathy@osmaniya.ac.in
111.	Dr. Narsimhulu Sanke	Assoc. Prof.	9885415325	nsanke@osmania.ac.in
112.	Dr. L. Siva Rama Kirshna	Assoc. Prof.	9849867046	Isrkou@gmail.com
113.	Mr. G. Narendar	Assoc. Prof.	9160003716	gagulanarendar@yahoo.com
114.	Mr. E. Madhusudhan Raju	Asst. Prof.	9701948712	madhu_ou@rediffmail
115.	Mrs. T. Nagaveni	Asst. Prof.	9966998860	tnagaveni@gmail.com
116.	Mrs. T.S.R.V. Padmalatha	Asst. Prof.	9985491524	tsrvpadma@yahoo.com
117.	Dr. K. Buchaiah	Scientist	9440873690	bkarolla@gmail.com
118.	Mr. G. Venkateshwarulu	Asst.Prof(C)	9440154984	gadadasu_venkat@yahoo.co.in
119.	Mr. K.L. Uday Kiran	Asst.Prof(C)	9959738537	ukiran-7@yahoo.co.in
120.	Mr. K. Venkateshwarulu	Asst.Prof(C)	9490219028	katrapu_v@yahoo.com
121.	Mr. U. Ashok Kumar	Asst.Prof(C)	9966036324	uak.mech.osmania@gmail.com
122.	Mr. M.Prakash	Asst.Prof(C)	7799999595	
Physics				
123.	Dr.N.Narasimlu(Head)	Asst. Prof	9949617555	narsimluou@gmail.com nnluou@gmail.com
124.	Ms. R. Swarna Latha	Asst.Prof(C)	9949744133	swarnalatha424@gmail.com
125.	Mr. K. Krishna Murthy Goud	Asst.Prof(C)	9494227476	ou.kkphysics@gmail.com
126.	Dr. B.Ashok	Asst.Prof.(C)	8520051056	Log4ashok@gmail.com
Chemistry				
127.	Prof. A. Panasa Reddy (Head)	Professor	9849957268	reddypanasa@gmail.com
128.	Mrs. V. Vani	Asst. Prof(C)	7893855746	vani.lns@gmail.com
129.	Mrs. G. Sujatha	Asst. Prof(C)	9490255819	gujula.sujatha@gmail.com
130.	Mrs. V.Sreedevi	Asst. Prof(C)	9885292810	vsdevi15@gmail.com
131.	Mrs. P. Reshma	Asst. Prof(C)	9052499330	reshma.reddy860@gmail.com
English				
132.	Mr. C. Venkata Subba Rao (Head)	Asst. Prof.	9440474457	cvenkatasubbarao@gmail.com
133.	Dr.J.Savithri	Asst. Prof.	8500349999	savijandh@yahoo.com
134.	Dr. Lakshmi Mantha	Asst. Prof(C)	9849752655	laksrimantha@yahoo.co.in
135.	Mrs. Suma Bindu Pothuri	Asst. Prof(C)	9985856507	sumabindutrainar@gmail.com
Mathematics				
136.	Mr. V.Kiran (Head)	Asst. Prof.	9912959615	kiranmathsOU@gmail.com
137.	Dr. V. Naga Raju	Asst. Prof.	9440496134	viswanag2007@gmail.com
138.	Dr. Y.Rameshwar	Asst. Prof.	8332969458	rameshwar@osmania.ac.in
139.	Mr. B. Balaswamy	Asst. Prof.	9948604358	Balu_19812002@yahoo.co.in
140.	Dr. Pothu Thirupathi	Asst. Prof(C)	9949325015	thrupathi@gmail.com
141.	Mr. K. Ramalingaiah	Asst. Prof(C)	9010015790	Kadarirama2@gmail.com
Dept. of Physical Education				
142.	Prof. B. Sunil Kumar (Head)	Professor	7032479481	drbsk.sport@gmail.com
Library				
143.	Dr. P. Damodhar	Library Asst.	9059405311	pdamodhar@yahoo.com
144.	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
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 Teacher Award by Government	Prof. A. D. Rajkumar, EED	2007
14.	Prof.S.C.Aiya Memorial IETE Award	Prof. Pandari Pande, Dept. of ECE	2007
15.	ICI: Altra-tech endowment award for outstanding concrete Technologist	Prof. P. Rao, Civil Engineering Dept.	2007
16.	ISTE Anna university National Award	Prof. Pandari Pande, Dept. of ECE	2009
17.	Vishwakarma Award by CIDC, Planning Commission, Govt. of India	Prof VSS Kumar	2011
18.	M.S.Jain memorial National Award(Best paper) by IGC, India	Prof.M.Kumar	2012
19.	Best Teacher Award by Government of AP	Prof.E. Suresh Kumar	2012



S.No	Nature of Award	Person/Institute Received	Year of Award
20.	Best Teacher Award by Government of AP	Prof. S. Ramachandram	2013
21.	Indian Concrete Institute (APHC)- Ultratech Endowment Award for Outstanding Concrete Engineer of A. P.	Prof. Ravande Kishore	2013
22.	POSO Power System Award	Dr. G. Malleshram	2013
23.	ISCA Young Engineer Award	Dr. G. Malleshram	2013
24.	Academic Research Award of excellence by AMSI	CPTIP, MED, UCE, OU	2014
25.	Best Teacher Award- 2014 by Government of Telangana	Dr. P. Satish Kumar	2014
26.	Award for Research Excellence, From Indo-Global Education Expo & Summit 2014	Dr. P. Satish Kumar	2014
27.	Best research paper award in International conference ACSME- 2014, Bangkok	Prof. M. Kumar	2014
28.	Global Teacher Role Model Award- 2015	Dr. P. Satish Kumar	2015
29.	Young Faculty Research Fellowship” under Visvesvaraya Scheme	Dr. B. Rajendra Naik	2016
30.	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	2017

List of Ph.Ds Awarded by UCE, OU for the year 2016-2017

S.No.	STUDENT NAME/ GUIDE	TITLE
MED		
1	G. Narendra Guide: Prof. AVSS Kumara Swami & Prof. A. Krishnaiah	Experimental Investigation on the Performance of Natural Circulation Loop with Different nanoFluids
2	Mr. N. Janardan Guides: Dr. MVS. Murali Krishna, & Prof. P. Usha Sri	Experimental Investigation on Performance Evaluation of Crude Jatropha Oil in Diesel Engine with Different Degrees of Insulation
3	Mr. Syed. Ferhathukkuah Hussainy Guides: Dr. S. Sundararajan & Prof. P. Laxminarayana	Study of Shrinkage Characteristics of Aluminium Silicon Alloy Using Modeling Analysis

S.No.	STUDENT NAME/ GUIDE	TITLE
4	Mr. P.Srihari Guides: Dr. BVN Charyulu & Dr. DN Reddy	Numerical Study to Establish Detonation Parameter of Pulse Detonation Engine for Selected Hydrocarbon Fuels and Evaluation by Experimental Methods
5	Mr. Mohd. Viqar Mohiuddin Guide: Prof. A. Krishnaiah	Experimental Investigation of Product Quality of Al-Si Alloy Castings Produced by Different Sand Moulding Procedure
6	Mr. YBS Sastry Guides: Dr. Y. Krishna	Some Studies on Computer Aided Analysis and Design of Thin Walled Beams and Aircraft Structural Components
7	Mr. Y. Sreenivas Rao Guide: Dr. G. Chandra Mohan Reddy	A Study on Explosively Formed Projectile (EFP) System Through Simulation and Experimental Validation
8	Mr. D. Venu Gopal Guide: Prof. M. Komaraiah	Vibration Analysis of Rotary Compressors
9	Mr. Rajkumar V. Patil Guides: Prof. P. Ravinder Reddy & Prof. P. Laxminarayana	Analysis of Buckling of Helical Compression Springs Over the Different Range of Parameters
10	Mr. Amirreza Mohammadian Guide: Prof. A.M.K. Prasad, (Retd)	Investigation of the formation of Von Karman street behind two circular cylinders with in line arrangement and variable distances in laminar and turbulent flows using RVM
11	Mr. S. Solomon Raju Guide: Dr. P. Ravinder Reddy	Design of composite Propeller for higher cavitation performance using CFD and FEM Analysis
	CSE	
12	Mr. Malagadde Ssali Robert Guide: Prof. Premchand	Designing a Tag set and Model for Spell Checking Intelligent System with a Bias in uganda Language
13	Mrs T Sreedevi Guide: Prof S Sameen Fatima	Intelligent Computational methods for digital watermarking
14	Mrs P Swetha Guide: Prof P Premchand	Study of Secret sharing protocols for highly secured and efficient communication in MANETs
	ECE	
15	Ms. Aywsha Naaz Guide: Prof. Rameshwar	3-D Geometrical Considerations for Direction of Arrival Estimation
16	Mr. T. Suryanarayana Murthy Guide: Prof. K. Deega Rao	Performance Analysis of PAPR Reduction Techniques in OFDM/OFDM Signals

Ph.Ds Awarded to the Faculty of UCE in the year 2016-2017

STUDENT NAME/ GUIDE	TITLE
CSE	
Mrs. P. V. Sudha Guide: Prof. S. RamaChandram	Prediction of Resource requirement in Google compute cloud
Mr M A Hameed Guide: Prof S Ramachandram	Cluster Dependant recommender systems
Mrs K Pranitha Kumari	A Language- independent approach for Automatic





Guide: Prof.A Venugopal Reddy	identification
Mrs. B. Sujatha Guide: Prof. S. Viswanadha Raju	A flexible and efficient natural language query interface to database

DEPARTMENT OF BIOMEDICAL ENGINEERING



TEACHING FACULTY

Professor  Dr.M.Malini	Associate Professor  Mr. M.Venkateswara Rao
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 undergraduate 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 Programs:

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

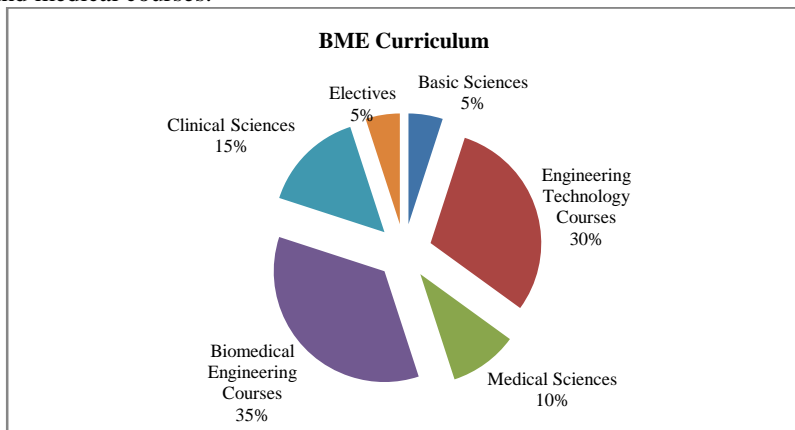
Our Mission

- 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, Medicity, NIMS, Yashoda hospital, Vasan 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	Title of the Project	From	To	Funding Agency	Quantum of Funds
1	Hyperthermia application of Nano materials for cancer Therapy	2013	2018	(UPE status) UGC	70(Lakhs)

5. Minor Research Projects

S.No	Faculty member	Project Title	Funding Agency	Amount
1	Prof. M.Malini	Wireless Sensors for Health Monitoring of Neonates	UGC	2,66,000
2	Mr.D.Suman	Design and Development of Fuzzy Expert System for the mitigation of Drowsy Driving of the heavy Vehicles	UGC	5,00,000
3	Mr. K.E.Ch.Vidya Sagar	Design and Development of MultiPhysiologicalSignal based Home automation Sytstem	UGC	2,60,000
4	Mr. K.E.Ch.Vidya Sagar	Design and Development of automatic and Classification system Epilepsy Detection	UGC	3,80,000

6. 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

7. Infrastructure:

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

Hard ware: 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.



8. 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 gave an inspirational speech on Biomedical Innovations and the role of Biomedical Engineers and their impact on the society.

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.

9. 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.

10. Recent Publications:

1. M.V.Subamanyam, P.V.N Prasad and M.Venkateswara Rao, "Implementation of SPWM Techniques in Five Level Inverter", International Conference on Sustainable Energy Technologies for Smart and Clean Cities (SETS and CC 2016), July 27th – 29th 2016, organized by IIT, Tirupathi, Amara Raja Batteries Ltd., Krishna Teja Educational Institutions, Southern University and A&M College, LA, USA.
2. Dr. M.Malini presented a paper titled "Gait Analysis" in International Conference on Innovations in Computer, Electrical and Electronics Engineering & Technology (ICEEET- 2016) in Singapore during 7th-8th Dec, 2016.
3. Mr. D.Suman presented a paper titled "Discrete wavelet Transform based Drowsiness detection using EEG" in International Conference on Bio Medical Engineering & Technology (ICBME- 2016) in Singapore during 7th-8th Dec, 2016.
4. Mr.D.Suman and Dr. M.Malini "Joint time-Frequency analysis of EEG for drowsiness detection- A study of cognitive behavioral patterns of the brain" published in International Journal of Vehicle safety (IJVS), Vol-4, Issue 1, 2017.
5. Dr. M Malini and Mr.M.Harikrishna, "A novel method for recognizing Eye movements using NN classifier" is accepted for presentation at 3rd IEEE international conference on sensing, Signal Processing and security to be held in May 2017 at Chennai.
6. Mr. M. Vekateswara Rao, Dr. M.Malini, O. Nageshwaramma and B. Sailalitha, "Gait Analysis" published in International Journal of Computing, Communications & Instrumentation Engg. (IJCCIE), Vol-4, Issue 1, 2017.
7. Mr.D.Suman and Dr.M.Malini, "Smart Goggles for the detection of drowsiness from the features of EOG signal", Published in the Journal of Instrumentation Society of India, IISC Bangalore, & ISOI.
8. M. Venkateshwara Rao, Dr. M. Malini, Armava Munazza, B. Sailalitha " Design of Multipoint Ablation switch for Renal Artery Denervation" International Journal of Engineering Research and Technology, Organized by MIT, Anna University, Chennai, NCAMS-2016.
9. Dr. M. Malini, K.E.Ch. Vidyasagar, D. Savita, B. Sailalitha "Offline Analysis of Motor Imagery EEG signals for brain computer interface" International Journal of Engineering Research and Technology, Organized by MIT, Anna University, Chennai, NCAMS-2016.



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

Technical Symposia-Meditech-2017: The students of the Department have organized the National Level Technical Symposium **MEDITECH 2017** during -10th & 11th March, 2017. The Chief Guest was **Dr. Renu John**, Head of Biomedical Engineering, IIT Hyderabad. The chief Sponsors were SBH, Alliance Medical Systems, Continental Hospitals and Green Apple.

12. Guest Lectures:

Guest Speaker	Topic
Dr. Renu John Associate Professor & HOD of BME, IIT –Hyd.	Quantitative phase Microscopy techniques and its critical Applications.
Dr. Shyam Sunder Tipparaju MD, PDCC, FICCM Medical Director Thumbay, Hyderabad.	Non Invasive Mechanical Ventilation
Dr. Helen Gnanakalanjiam Quality Head at Prime Hospitals, Hyd	Life saving and Biomedical Engineering
DR. Varun Raju Thirumalagiri Head & Chief Laparoscopic and Bariatric Surgeon, Omni Hospitals, Hyd.	Laparoscopic Staplers in various procedures
Dr. Srinivasa R Pilli HOD- Biomedical Department, Continental Hospitals, Hyderabad.	Extra Corporeal membrane Oxygenation (ECMO)

13. Workshops Attended:

1. Mr. K.E.Ch. Vidyasagar has participated in Smart India Hackathon 2017 during 31st March - 02nd April 2017 at Bangalore.
2. Mr.K.E.Ch. Vidyasagar and Mr. K.Harish attended a workshop on Medical Imaging Techniques, post processing and clinical applications (MedImg 2017) organised by CBME, IIT Delhi during 14th – 16th April, 2017
3. Mr. K.E.Ch. Vidyasagar has attended a five day QIP/CEP workshop on Brain Science: tools and techniques to understand the Human Brain in IIT Delhi during 14th – 18th December, 2016.
4. Mr. K. Harish has attended Five day workshop on “Machine Learning for Medical Image Analysis” at IIT Mandi during June 18-22, 2016.
5. MS. G. Shravanya has attended one month Orientation Program Organized by UGC, Academic Staff College, O.U. Hyderabad during Dec 12th 2015- Jan 07th 2016.
6. Mr. M. Srinivas has attended one month Orientation Program Organized by UGC, Academic Staff College, O.U. Hyderabad during Dec 12th 2015- Jan 07th 2016.

7. Mr. K.E.Ch. Vidyasagar has attended one month Orientation Program Organized by UGC, GOA University during Jun 21th 2016- Jul 18th 2016.
8. Mr. K.E.Ch. Vidyasagar has attended a five day short term course on “Sensors and Signal conditioning” organized by the Department of Electrical Engineering IIT Madras during Jan 25th to Jan 29th 2016.

14. Guest Lecturers delivered by our faculty:

1. Mr.M.Venkateswara Rao delivered a guest lecture on “*MEMS-Biomedical Applications*” at D. Y. Patil Institute of Engineering & Technology, 2016.

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

1. Mr.M.Venkateswara Rao, Mr. K.Harish organized a five day National level workshop on “Electronic Product Design” in the department during 2nd – 6th January, 2017 sponsored under TEQIP-II
2. Mr.M.Srinivas and Mr.K.E.Ch. Vidya Sagar conducted a three day Hands-on training programme on “Medical Equipment Maintenance, Calibration and Regulations” in the department during 27th – 29th September, 2016 sponsored under TEQIP-II.
3. Mr. K.E.Ch. Vidyasagar has conducted a workshop on Arduino programming & Interfacing from 20th June to 24th June 2017 at vignan’s Technology and Research University, Guntur

16. Conference session Chair:

1. Dr. M.Malini Chaired a session in International Conference on Innovations in Computer, Electrical and Electronics Engineering & Technology (ICEEET- 2016) in Singapore during 7th-8th Dec, 2016.

17. Product Exhibition by our Faculty:

1. Mr.M.Venkateswara Rao, M. Malini, B. Sailalitha and Akitha has participated in “**Indian Medical Device Expo-2016**”, Four Innovative medical devices were exhibited in the expo organized by IIT Bombay, VNIT Nagpur, Engineering College of Pune. They have won Third prize in the Indian Medical Device Expo-2016 for the product “Design of Cryoshoe”
2. Mr.M.Venkateswara Rao, Mr. K.Harish, B. Sailalitha and Akitha showcased innovative Products and ideas in **BIO ASIA 2017**during 06th



- 08th February 2017 at Hitex, Hyderabad. Huge response was received from the visitors.

3. Mr.D.Suman, Mr.K.E.Ch. Vidyasagar and BE students showcased innovative Products and ideas in Grand finale on **“SMART INDIA HACKATHON 2017”** during 31st March - 02nd April 2017 at Bangalore.

18. Patents

1. Non Invasive Hemoglobin meter Application No: CHE/6317/2014 was applied in Dec 2014

19. 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:

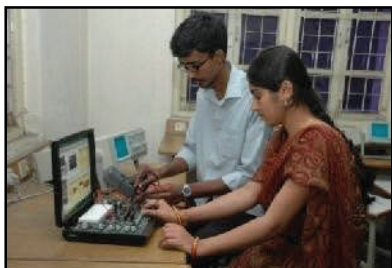
- a) Maintenance of Medical equipment of hospitals.
- b) Calibration and testing of Medical equipment.
- c) Health care consultancy.



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

DEPARTMENT OF CIVIL ENGINEERING





TEACHING FACULTY

Professors



Prof. V. Bhikshma



Prof. Ravande Kishore



Prof. V. S. S. Kumar



Prof. M. Kumar



Prof. N. Suresh Kumar



Prof. M. Gopal Naik



Prof. M. A. Prasad



Prof. T. Sambaiah

Professors



Prof. P. Raja Sekhar



Dr. K. L. Radhika

Associate Professors



Dr. M. V. S. Sreedhar



Dr. K. Shashikanth

Associate Professors



Dr. D. Rupesh Kumar



Mr. D. Rajashekar Reddy

Assistant Professors

Dr. R. Srinivasa
Kumar

Mrs. D. Annapurna

Assistant Professors

Mrs. 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



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

1. Universal Testing Machines of 1000 kN and 2000 kN capacity
2. Torsion, Shear, Tension, Compression and Flexural Testing Equipments
3. 1000 kN & 150 kN loading frames.
4. Impact Testing Machine
5. Vibration monitoring systems
6. Large Scale Direct Shear Box Testing Unit
7. Triaxial Testing Machine with pore pressure measurement facility
8. Low-Speed short Wind Tunnel (0. 61m X 0. 61 m) with two component strain gauge balance.
9. Tilting frame (12.0 m length)
10. Dual frequency Doppler Flow Meter
11. Nephelometer



12. Portable Spectrophotometer
13. Total station
14. Automatic Level
15. Latest Software Packages like ANSYS, NISA, NASTRAN, AutoCAD, STAAD.PRO, SAP, ETABS, ArcGIS, InfoSWMM, Symantic Antivirus Endpoint Protection, etc.
16. NDT Equipments like Corrosion analyzer, Profometer, Schimdt Rebound hammer and Ultrasonic test apparatus.
17. Infrared camera
18. Ground Penetrating Radar (GPR)
19. Asphalt Testing System
20. BOD equipment with dissolved oxygen probe
21. Fluoride Electrode

TEQIP Phase-II Impact: Procurements

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

4. Library

The following books are available in the department library

1. Reference Books	-	761
2. Text Books	-	1599
3. General Books	-	200
4. Journals (ACI, National, International)	-	688
5. Code Books	-	200

5. Faculty Details

Faculty member	Areas of Teaching and Research
PROFESSOR AND HEAD	
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
PROFESSORS	
Dr. Ravande Kishore B.E (OU), M. E.(OU), Ph. D. (IIT B) MIE (India), MICI, MMICACI, MISTE, FIIBE	Structural analysis and design, , Shells and folded plates, Concrete technology, Recycled aggregate concrete, Construction material for sustainable development, Low cost housing, Repairs, and rehabilitation and retrofitting of structures, Non-destructive testing.
Dr. V. S. S. Kumar B.E(OU), M.Tech.(IIT D) Ph. D (IIT D) Post-Doc (USA), FIE, MASCE, MISTE, FIV	Fuzzy logic, Neuro - Fuzzy systems, Construction Engineering & Management, and safety management, Sustainability, Project management, Operations research, Fuzzy Linear programming, Value Engineering, Project Scheduling.
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. 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
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. Sambiah 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)
ASSOCIATE PROFESSORS	
Dr. K. L. Radhika B. Tech (JNTU),M. E. (OU)	Structural analysis and design, and Concrete Technology
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. Shashikanth	Surface water hydrology, Mathematical modeling to



B. Tech (SVU) ME-CE (UVCE-B), M.Tech- CS (JNTU) Ph.D(IITB)	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
Mr. D. Rajashekar Reddy BE (OU), M.Tech (JNTU)	Transportation Engineering, Traffic Engineering, Pavement analysis, Pavement Construction
ASSISTANT PROFESSORS	
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.
Mrs. S. V. S. N. D. L. Prasanna BE(OU), ME(OU)	Water Resources Engineering, Ground water hydrology and Environmental Engineering.
Mrs. P. Anuradha B. Tech (JNTU), M. Tech (JNTU)	Structural analysis and Earthquake analysis
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

6. 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

7. 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

8. Research/Consultancy Projects

Faculty Name	Name of Sponsored R&D/Consultancy Project	Amount (Rs.) & Duration	Name of Sponsored Agency/Organization
Prof. V. Bhikshma (Head)	Seed Money – TEQIP	80,000 (2015-16)	UCE,OU, TEQIP –II
	UGC Minor Research Project	2,35,000 (2016-2017)	UGC
	Civil Engineering Consultancy Works	6,00,000 (2016-2017)	Different Government and Private Organizations
Prof. M. Kumar	Identification of Block spots and Accident analysis Using GIS and GPS technology	4.00 lakhs 2014-2016	UGC, Govt. of India
Prof. M. Gopal Naik	Water Supply Distribution Network System	-	HMWSSB
	Surface Flow Measurement using PIV Techniques	5.00 lakh & 2014 - 2016	UGC, Govt. of India
Prof. M. A. Prasad	Hydraulic Design Verification of Pipe Net Works	1,38, 575	Executive Engineer TWWSP Division Hyderabad



Prof. T. Sambaiah	Consultancy projects	9,71,528	Different organizations
Dr. M. V. S. Sreedhar	Investigations on effectiveness of commercial stabilizers in stabilization of soft clay	1.00 lakh 1 year	TEQIP-II SEED MONEY
	Study on efficiency of Coir Geotextiles in Erosion Control	1.20 lakh 1 year	M/s GEOSOL ASSOCIATES, HYDERABAD
	QC Inspection of Quarters	16.00 lakhs 1.5 years	M/s SCCL Bhoopalpalli
	Bearing Capacity Recommendations	1.80 lakh	Govt. of TS
	Ground Improvement Recommendation	0.60 lakh	GHMC
Dr. K. Shasikanth	UGC Minor Project	1.50 lakhs	UGC
Dr. D. Rupesh Kumar	Proof-Checks	> 10 lakhs	Different Government and Private Organizations
Mrs. D. Annapurna	Seed Money	1 lakh September 2015 - December 2016	TEQIP-II ,UCE (A), OU
Mrs. S. V. S. N. D. L. Prasanna	Seed Money,		
Mrs. P. Anuradha	Analysis of infill frame using finite element analysis		

9. List of Publications in International / National Journals by Faculty

Faculty Name	Paper Title	Journal Name	Volume No. & Year
Prof. V. Bhikshma (Head)	Mechanical Properties of Geo polymer concrete	Indian Concrete Journal	Vol. 90, No.9, 2016
Prof. M. Kumar	Evaluation of rutting characteristics in stone mastic Asphalt mix when added with basalt fiber	i-manager's Journal on Material Science	Vol. 4 1 No. 3 pp: 29 - 36
	Black Spot Identification And Audit Analysis For Heterogeneous Traffic Conditions In Hyderabad City – A Case Study	i-manager's Journal on Structural Engineering	Vol. 4 1 No. 3pp:1- 9 (2016)
	A Study an Road Accident Prediction Modeling for Hyderabad Area	International Interdisciplinary Research Journal	Volume-07, 2017 Issue (02), pp 200-209
	Consequences of Speed Calming Machine on Vehicle Mileage		Volume-07, 2017 Issue (02), pp 251-262
Prof. M. Gopal Naik	Evolutionary Design and Calibration of District Metered Area of Water Supply Networks Using H2OMAP Model	Journal of Hydrogeology & Hydrologic Engineering,	Vol. 6(1), Pp. 1-6
Prof. M. A. Prasad	Rainfall-Runoff Modelling using Modified NRCS-CN,RS and GIS -A Case Study	International Journal of Engineering Research	6(3) March 2016 pp.54-58.



Dr. M. V. S. Sreedhar	Development of Correlation between Un-soaked and Soaked CBR Values	International Journal of Engineering Technology and Advanced Engineering	Vol. 6, Issue 11, 2016
Dr. K. Shasikanth	Future Projections of Indian Summer Monsoon Rainfall Extremes over India with Statistical Downscaling and its Consistency with Observed Characteristics, submitted to Climate Dynamics	Climate Dynamics (Impact factor 4.708)	DOI 10.1007/s00382-017-3604-2 (2016)
Dr. R. Srinivasa Kumar	Analysis of Pedestrian Level of Service on Footpath in Hyderabad.	International Journal of Advanced Technology in Engineering and Science	Vol4, Issue 09, 2016
Mrs. D. Annapurna & Prof. Ravande Kishore	A study on microstructure of fly ash & GGBS based Geopolymer concrete	International Journal of Science and Innovative Engineering & Technology	May 2017 issue Volume 4
	Influence of calcium content on durability of geo polymer mortar	International Journal of ChemTech Research	Vol.10 No.4, pp 311-317,2017
Mrs. S. V. S. N. D. L. Prasanna	Comparison of Risk Allocation in Standard and General Contract Documents	Internal Journal of Advance Research in Science & Engineering	Vol. 5, Issue No. 10, Oct, 2016

10. List of Publications in International / National Conferences by Faculty

Faculty Name	Paper Title	Conference Name	Volume No. & Year
Prof. V. Bhikshma (Head)	Strength Characteristics of High strength concrete using mineral admixtures	Sustainable Materials and Management Systems in Civil Engineering	2016
Prof. M. Kumar	Study on Speed Breakers and its Effect on Speed and Vehicle Operating Cost	International Conference on TPMDC 2016 19-21 December 2016 @ IIT Bombay	2016
	Road Crash Prediction Modeling for Cyberabad area - Hyderabad- India		
	Development of Deterioration Model From Functional Characteristics And Evaluation of Structural Performance On Selected Corridor of Hyderabad City – A Case Study		
	Assessment Of Stone Mastic Asphalt Performance With The Inclusion Of Fiber Material On Resilient Characteristics		
	Assessment Of Rutting Characteristics On Fiber Reinforced Conventional Mixes Over Pmb		
Prof. M. Gopal Naik	Analysis on Green Buildings (Case Study: CII Sohrabji GBC, Hyderabad, India)	Innovative Research in Civil Engineering (NCIRCE 2K17)	2017
	Experimental Study on Stream Flow Measurement Using	Best Practices for Sustainable Water,	-



	Large Scale Particle Image Velocimetry Techniques	Wastewater & Energy Management	
	Forecast of Reservoir Sediment Trap Efficiency using Artificial Neural Networks	Disaster Preparedness, Mitigation and Reconstruction of Sustainable Society (DPMRSS)	Vol-1, pp.67-73, 2016
Prof. M. A. Prasad	Rainfall runoff modeling using fuzzy logic	Hydraulics, Water Resources and Coastal Engineering (HYDRO 2016)	Hyd 186 pp 444-449
	Simulation of sediment yield using routing model with Remote Sensing and GIS techniques		Hyd 188 pp 450-458
	Selection of Suitable Sites for Water Harvesting Structures in Osmania University Campus Using RS and GIS		Hyd 605 pp 2217 - 2225
Prof. P. Raja Sekhar	Groundwater Contamination - A Study on Spatial Distribution of Fluoride Using GIS in Nalgonda District, Telangana, India.	Hydraulics, Water Resources and Coastal Engineering (HYDRO2016)	8th – 10th December 2016
Dr. M. V. S. Sreedhar	Effect of Geosynthetic reinforcement on dynamic characteristics through model block resonance tests	Indian geotechnical conference (IGC-2016)	Vol. 1 2016
Dr. K. Shashikanth	Selection of Suitable Sites for Water Harvesting Structures in Osmania University Campus using RS and GIS	HYDRO2016	December, 2016

Dr. R. Srinivasa Kumar	Prediction Methods for Forecasting Pavement Condition Index (pp.81-84)	Innovations in Engineering and Technology (ICRIET-2016)	2016
	Optimal Transport Planning in India Post Using GPS Technology: (pp.85-90)		
	Scope of Bus Rapid Transit (BRT) System in Telangana (pp.231-233)		
	Development of Delay Models for Roundabout with Heterogeneous Traffic Flow Condition	Recent Trends in Science, Technology and Management	4 th September 2016
	Roughness Evaluation of Flexible Pavements Using Merlin and Total Station Equipment	Sustainable Measures for Advanced Research and Technology in Civil Engineering (SMART 2K17)	22 nd April 2017
	Road Safety Concerns on Outer Ring Road – Hyderabad		
	Safety Edge For Improved Road Safety And Pavement Performance		
	Prediction of Pavement Condition Index from International Roughness Index using Merlin		
	Development of models for prediction of bitumen contaminated with wax	Innovative Research in Civil Engineering (NCIRCE2K17)	21 January 2017
	Pavement evaluation using electronic 3-m rolling straight edge (ERSE)		



	Assessment of Stopping Sight Distance on Sag Curve at Overhead Structure	77 th Annual Session of Indian Roads Congress	15 th to 18 th December 2016
Mrs. D. Annapurna	A fuzzy logic model for estimating compressive strength of Geopolymer concrete	Sustainable materials and management systems in civil engineering	CBIT, 2016
Mrs. S. V. S. N. D. L. Prasanna	Estimation (Analytical) And Simulation Of Flow Over A Spillway – A Case Study	Sustainable Development and Management of Groundwater Resources in Arid and Semi-Arid Regions	05 th – 07 th October, 2016
	Estimation of surface runoff using Soil Conservation Services Curve Number and GIS – A Case Study	Water, Environment and Society (NCWES)	16 th – 18 th March 2017
Mrs. P. Anuradha	Behaviour of Carbide Waste Concrete at Elevated Temperatures	Sustainable Materials and management systems in Civil Engineering	2016

11. List of Books / Proceedings Published by Faculty

Faculty Name	Title	Publisher Name	Year of Publication
Prof. M. Kumar	Statistical Techniques for Transportation Engineering, Pages-554	Elsevier: Butterworth-Heinemann Ltd, UK	13-03-2017

12. Guest Lecturers delivered by Faculty

Faculty Name	Details of Lecture	Name of Organization	Date
Prof. V. Bhikshma (Head)	Use of high performance concrete for precast structures in one day workshop on precast technologies	IEI, Khairathabad, Hyderabad	20.12.2016
	Destructive and non destructive testing methods for civil engineering structures	Bharathi Vidyapeeth Deemed University, Pune	23.09.2016
	Production of fly ash concrete for different grades of concrete	PWD Engineers at Lucknow	24.03.2017
	IS specifications for admixtures for concrete and integral water proofing compounds		26.03.2017
	Causes of cracks/joints and effects in dampness /leakages in buildings	ESCI	18.01.2017
	Quality assurance and quality control of concrete structures		19.01.2017
	Destructive testing methods, specifications and NDT methods – applications in civil engineering		27.04.2017
	Quality assurance and quality control for construction projects		30.06.2017
	NDT methods – applications in civil engineering		25.07.2017
Prof. M. Kumar	Construction Practices of Rigid Pavement	PDA College of Engineering, Kalburagi, Karnataka	27-05-2017
	Maintenance and maintenance Strategies for Rural Roads		
	Transportation	MREC,	04-11-2016



	Infrastructure needs and challenges	Hyderabad	
	Land use Transportation planning and modelling		
	New Challenges in transportation area for Metropolitan cities	ACE College of Engineering, Hyderabad	01-10-2016
	Transportation Problems and issues in Metropolitan cities		
	Rigid Pavement Design IRC:15-2015	BICS, JNTU, HYD	29-10-2016
	Rigid pavement Construction Practices and problems		
	Design of Cement Concrete Pavements as per IRC:58-2015	Dept. Civil Engineering, UCE, OU	21-10-2016
	Future scope and challenges of Transportation Engineering	CVR College of Engineering, Hyderabad	21-09-2016
Dr. M. V. S. Sreedhar	Lecture Demonstration on Geotechnical Laboratory Testing	ESCI	14.06.2016
	Geosynthetic Applications in Ground Improvement for Engineers from different states of India and BRO.		15.06.2016
	Sub-soil Investigation & Stabilisation of Slopes		16.06.2016
			22.09.2016
	Geosynthetic Applications in Ground Improvement & Grouting		23.09.2016
	Soil Investigation for Buildings	NAC	12.12.2016
	Foundation Engineering		13.12.2016
	Soil Investigation for Buildings		09.01.2017
Foundation Engineering	10.01.2017		
Dr. K. Shashikanth	Statistical Downscaling and Data downloading procedure	IIIT, Hyderabad	20 July, 2016

Dr. D. Rupesh Kumar	Bacterial Concrete	Methodist College of Engg & Technology, Abids, Hyderabad.	31 March-01 April, 2016
	Analysis and Design of Structures Using Staad Pro	Sri Indu College of Engineering and Technology, Sheriguda, Ibrahimpatnam, Hyderabad	15 th September, 2016
	Bacterial Concrete	Institute of Aeronautical Engg, Dundigal, Hyderabad	16 April 2016
Dr. R. Srinivasa Kumar	Soil Stabilization	ESCI, Hyd.	23.09.16
	Intelligent Transportation System		13.01.17
	Characterization of Flexible Pavement Materials		06-09 December 2016
	Design of Flexible pavement as per IRC:SP:72-2015		
	Pavement Evaluation and Maintenance		
	Marshall Mix Design of Bituminous Mixes		22-24 February 2017
	Design Issues of Flexible and Rigid Pavements		
	Preservation Techniques		8-9 April 2017
	Material Characterization		
	Pavement Design		
	Maintenance & Preservation Techniques for Rigid Pavements	Utter Pradesh Rajikiya Nirman Nigam Ltd., UPRNN	
Thirteen different topics related to Advanced ITS	Dept of Civil Engineering, College of Engg , Bharathi Vidyapeeth, Pune	06-08 October 2016	



13. Conferences / Workshops / Seminars / Trainings organized by Faculty

Faculty Name	Title	Dates	Sponsored by
Prof. V. Bhikshma & Dr. D. Rupesh Kumar	Workshop on Good Concrete Construction Practices	27-28 October, 2016	TEQIP
Prof. M. Kumar	Public Participation in Promoting Integrity and Eradicating Corruption	03-11-2016	Power Grid Corporation
Prof. M. Gopal Naik	One-Day National seminar on World Water Day - Wastewater	22nd March, 2017	TEQIP
Dr. R. Srinivasa Kumar	Design, Construction, Evaluation and Maintenance of Cement Concrete Pavements	21-22 October 2016	TEQIP-II
Dr. K. L. Radhika & Mrs. P. Anuradha	Structural health monitoring and condition assessment of existing structures (SHMCAES-2017)	20 & 21 January 2017	TEQIP-II
Mrs. P. Anuradha	Staad -Pro	1 April 2017	Civil Department

14. Workshops / Seminars / Trainings / Courses attended by Faculty

Faculty Name	Title	Dates	Sponsored by
Prof. M. Kumar	National Dissemination Workshop on Development of Indian Highway Capacity Manual (Indo-HCM)	20-21, Feb 2017	TEQIP-II
	International Conference on TPMDC 2016	19-21 Dec, 2016	
	Workshop on Teaching, Learning and Assessment Methodologies	13-14, Dec 2016	

Prof. M. A. Prasad	Advanced Soft Computing Techniques and its Applications (ASCTA-2016)	9 -13 September 2016	TEQIP – II
	Teaching, Learning and Assessment Methodologies	13 & 14 December, 2016	TEQIP – II
	Awareness Workshop about Outcome based Education and Accreditation	13 & 14 December, 2016	University College of Engineering OU
Dr. M. V. S. Sreedhar	Indian Geotechnical Conference, IGC-2016	15-7-2016	TEQIP-II
Dr. K. Shashikanth	Strategies for Research oriented Teaching (SROT)	05-24 June, 2017	UGC
Dr. D. Rupesh Kumar	Two Day Workshop on Teaching, Learning and Assessment Methodologies	13-14 December 2016	TEQIP-II
	One day workshop on Finite Element Methods (FEM-2016)	30 July 2016	TEQIP-II
Dr. R. Srinivasa Kumar	Engineering Graphics Using AUTOCAD	9 th October 2015	TEQIP-II
	Two-day Workshop on Teaching, Learning and Assessment Methodologies	13-14 December 2016	TEQIP-II
Mrs. D. Annapurna	Faculty Development Programme in Computer Oriented Application in Civil Engineering	16 th – 28 th May, 2016	AICTE
Mrs. S. V. S. N. D. L. Prasanna	Faculty Development Programme in Computer Oriented Application in Civil Engineering	16 th – 28 th May, 2016	AICTE



15. Other Professional Activities of Faculty

Faculty Name	Details
Prof. M. A. Prasad	Reviewed a paper to special Edition “ISH Journal of Hydraulic Engineering” paper titled “Sediment yield prediction using feed forward back propagation neural network with sigmoid transfer function and radial basis neural network with Gaussian Transfer Function in a watershed of south east India”.
Dr. R. Srinivasa Kumar	Guest of Honour for One Day 2 nd National Conference on “Sustainable Measures for Advanced Research and Technology In Civil Engineering” SMART 2K17 on 22 nd April 2017. Organized by Nalla Narasimha Reddy Educational Society’s Group of Institutions, Integrated Campus, Medchal Dist., Hyd

16. Key Note Lectures delivered by Faculty

Faculty Name	Details of Lecture	Conference Name	Name of the Organization	Dates
Prof. V. Bhikshma	Geopolymer concrete	Inauguration of students chapter ICI HYDC	Department of Civil Engineering, TKR EnggCollege, Meerpet, Hyderabad	16-17 February, 2017
	Concrete manufacturing and fly ash concrete	-	Methodist College of Engg& Technology, Abids, Hyderabad	31 March 2017
	-	Advances in Concrete Technology	Department of Civil Engg, MRIST, Hyderabad	4-5 February, 2016
Prof. M. Kumar	Nano Applications to Transportation Infrastructure	Nano Applications in Civil Engineering	SVCE, Tadepalligudem AP	12th -13 th , April 2017

Prof. M. Gopal Naik	-	Disasters-Mitigation of Floods and Urban Drainage Issues	The Institution of Engineers India (IEI), Water Management Forum, Ahmadabad Water Management Forum SRC	6th and 7th January, 2017.
	Innovative Technologies for Water and Waste Water Management	-	Institute of Engineers India (IEI) Hyderabad	21 March, 2017
	Water and Jobs	World Water Day 2016	Institute of Engineers India (IEI) Hyderabad	22nd March, 2016.
Dr. M. V. S. Sreedhar	Application of Coir & Jute Geosynthetics in Low Volume Roads	Low Volume Roads for Engineers from South Indian States	NIT, Warangal	28.10.2016
				30.11.2016
				03.12.2016

17. Session Chaired by Faculty

Faculty Name	Title of the conference	venue	Session Title
Prof. M. Kumar	TPMDC International Conference 21-12-2016	Convention Centre, IITB	Non-motorized Transport Planning
	Paradigms in Engineering and Technology (ICPET 2016) 02-03-2016 03-03-2016	Hotel Katriya, Hyderabad	Civil Engineering -I
			Civil Engineering -II
	Recent Innovations in Engineering and Technology (ICRIEAT) 22-12-2016 23-12-2016	Hotel Katriya, Hyderabad	Transportation Engg-I
			Transportation Engg-II



Dr. R. Srinivasa Kumar	Innovations in Engineering and Technology (ICRIET- 2016) 22-12-2016 23-12-2016	Aurora's Scientific, Technological & Research Academy, Hyd	Two- Technical Sessions
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18. List of Ph.D awarded

Faculty Name	Student Name	Title of Thesis	Year
Prof. M. Gopal Naik	Madhusudhan Rao	Experimental Study on Characterization and Pollution Potential of Contaminated Chromium Hazardous Waste	2015

19. Student Achievements

Student Name	Achievement
N. Sai Divya (B.E. IV/IV)	National Cycling (Road) Championship State Cycling Championship Title Winner (Gold) All India Inter University Cycling Competition (Participant)
R. Kiranmayee (B.E. IV/IV)	Stood first at South Indian Cultural Association Carnatic Vocal Music Competition Participated in Springsree National Cultural Symposium (Solo & Group singing)
A. Laxman (B.E. IV/IV)	Participated in Inter College University Sports Badminton
Vikas Reddy (2013-2017)	GATE All India Rank 379

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, G Group & Ultratech
6. 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 2017

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 **Dr. K. L. Radhika** (Faculty Member of the Department)



NIRMAAN 2017 Inaugural Session – Brochure Release



NIRMAAN 2017 Kaleshwaram Project – Model Demonstration



Dignitaries on the dais during the inaugural session of GCCP-2016



Prof. E. Suresh Kumar, Registrar, OU distributing the certificates to the participants in GCCP-2016

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



TEACHING FACULTY

Professors



Dr.P.Premchand

Dr.S.Ramachandram
Vice Chancellor,OUDr. S. Sameen
Fatima

Dr.P.Ram Kumar

Professors



Dr.K.Shyamala

Associate Professors



Mr. M. Venkat Dass



Mr.S.Srinivasa Rao



Mr.S.Ram Babu



Mr.L.K.Suresh Kumar



Dr.P.V.Sudha

Assistant Professors (M C A)



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. Principal, UCE, O.U	Information Retrieval Systems, Machine Learning, Text Mining
Dr. P.Ram Kumar, M.Tech, Ph.D.	Distributed Mobile Object Oriented System Security, Network Security
Dr. K.Shyamala, M.Tech, Ph.D.	Parallel Processing Applications, Embedded Systems, CAD algorithms, Technology Mapping algorithms for FPGAs
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
Dr. P.V.Sudha, M.Tech	Cloud Computing, Grid Computing, Software Project Management
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, M.Tech.	Grid Computing, Cloud Computing, Database 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

Dr.K. Shyamala	Head, Dept. of CSE, UCE, OU
Dr. S.Ramachandram	Vice Chancellor, Osmania University.
Prof. P. Premchand	Dean, Faculty of Informatics, OU
Prof. S. Sameen Fatima	Principal, UCE(A), OU Director, Center for Women Studies, OU Convener, PGECET-2017
Mr S Srinivas	Chairperson, BOS in CSE (Autonomous), OU
Mr L K Suresh Kumar	Chairperson, BOS in CSE (University).
Dr K Shyamala	Member, TSCHE
Dr P V Sudha	Special Officer, (Automation), UCE M.Tech Faculty Advisor
Dr V B Narasimha	Special Officer (Maintenance),
Dr B Sujatha	Incharge MCA
Dr. M. A. Hameed	Mentor for Foreign Students

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.

The following students were Awarded Ph.D. in the year 2016 - 2017

S. No.	Name	Title	Guide
1	Mrs K Pranitha Kumari	A Language-independent approach for Automatic	Prof.A Venugopal Reddy



		indntification and classification of Emerging genres.	
2.	Mrs T Sreedevi	Intelligent Computational methods for digital watermarking	Prof S Sameen Fatima
3.	Mrs P Swetha	Study of Secret sharing protocols for highly secured and efficient communication in MANETs	Prof P Premchand

6. Infrastructure

The computing resources that are available in the Department include 9 servers and 230 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 / Appl ication 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 6.6 / Oracle 12C

S.No	Configuration	Make / Model	Qty	Operating System / Application Software
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
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 & Server Room	HP, Dell, & Lenovo	194	Linux / Windows
SOFTWARE / PACKAGES				
10	Linux , MSDN, Oracle 12c, Different Compilers (C, C++ and Java) and Rational Rose			
Hardware Kits				
11	Xilinx - SPARTAN.		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. (Approved by GIAN)

Student Achievements:

1. National Level Technical Symposium (Infinity 2k17) was conducted during 8th- 9th March 2017.
2. Best student project (2016-17) awarded by AMD of Rs. 25,000 for Dept of CSE students.

10. Papers Published during 2016-2017

Prof.S.Ramachandram

1. Kurra Mallaiah, S Ramachandram, Rishi kumar Gandhi, “Word and Phrase Proximity Searchable Encryption Protocols for Cloud Based Relational Databases”, ACM International Conference on Internet of things and Cloud Computing, 2016, United Kingdom.
2. Srinivasa Reddy, K. and Ramachandram, S. (in press) “A Secure, Fast Insert and Efficient Search Order Preserving Encryption Scheme for Outsourced Databases”, International Journal of Advanced Intelligence Paradigms, 2016.

Prof S. Sameen Fatima

1. S Padmaja, Prof. S Sameen Fatima, "Extracting Voter Sentiment for Indian General Election Forecast Using NLP Techniques", ICON 2016 Workshop, IIT – BHU, Varnasi, 17th December 2016.
2. Dr. Sridevi Tumula, Prof. S Sameen Fatima, authored a book chapter titled "Probabilistic Graphical Models for Medical Image Mining Challenges of New Generation" in book titled "Knowledge Computing and its Applications", Springer, 2017
3. L. Smitha, Prof. S. Sameen Fatima, "Topical and Trust Based Page Ranking Using Automatic Seed Selection", IEEE 7th International Advance Computing Conference, 2017.
4. 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.

Prof P.Ram Kumar

1. P.Ram Kumar, B.Nagaraju, "A New Method for Symmetric Key Cryptography", International Journal of Computer Applications (0975 – 8887), Vol. 142-No.8, 2016.

Prof K. Shyamala

1. Shyamala Kattula and Mallesham Dasari, " On the Adaptive Motion Estimation in Video Coding, based on Video Content Analysis", IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI)-2016
2. P. Vijaya Vardhan Reddy, K. Shyamala, "New scoring formula to rank hypervisors' performance complementing with statistical analysis using DOE", ELSEVIER's Future Generation Computer Systems (FGCS), Vol. 61, pp.54-65, 2016.
3. K.Shyamala, Raj Kiran and Rajeshwari, "Design and Implementation of GPU-based Matrix Chain Multiplication Using C++AMP", IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT), 22-24 Feb, 2017.

Mr L.K.Suresh Kumar

1. Mr.L.K.Suresh Kumar, "Multi-Keyed algorithm of Elliptic Curve Cryptography" 5th National Conference on Computer Networks & Information Security (NCCNIS), 2016.
2. Mr.L.K.Suresh Kumar, "A Survey on Homomorphic Encryption Schemes in WSN" 5th National Conference on Computer Networks & Information Security (NCCNIS – 2016), 2016.



3. Mr.L.K.Suresh Kumar, “Detailed study of MAC Based and Level Based Routing Protocol in Wireless Sensor Networks”, 5th National Conference on Computer Networks & Information Security (NCCNIS) 2016.
4. Mr.L.K.Suresh Kumar, “A Survey on Intrusion Detection Techniques in Wireless Sensor Networks” National Conference on Computer Networks & Information Security (NCCNIS), 2016.
5. Mr.L.K.Suresh Kumar, Extended Functions of ElGamal based Algebraic Homomorphism”, IEEE International conference International Conference on Computing for Sustainable Global Development INDIACom , Bharati Vidyapeeth, New Delhi (INDIA). 1st - 03rd March, 2017.

Dr. B. Sujatha

1. B. Sujatha, “Natural Language Query Parser using first Order Logic for Querying Relational Databases”, International Journal of Computer Applications, (0975-8887) volume 134-No.11, January 2016.
2. B. Sujatha, “Ontology Based Natural Language Interface for Relational Databases”, International Conference on Intelligent Computing, Communication and Convergence (ICCC), 2016.
3. B. Sujatha, “A Generic model for Natural Language Interface To Database”, 6th IEEE International Advanced Computing Conference (IACC), 2016.
4. B. Sujatha, “Natural Language Query Processing for Relational Database using EFFCN Algorithm”, IJCSE (International Journal of Computer Science and Engineering), vol.4, Issue- 02, Feb-2016.
5. B.Sujatha, “Energy efficient data route-in-network aggregation with secure EEDRINA”, Springer International Conference on Computational Intelligent and Data Engineering, July,2017.

11. Conferences/Workshops Organized:

1. A Two day workshop on PRACTICAL MACHINE LEARNING & DATA SCIENCE(PMLEADS) during 17th- 18th Oct 2016.
2. A Two-day workshop on “Teaching, Learning & Assessment Methodologies”, 13th-14th December 2016.
3. A 5-day Faculty Development Program on “Cryptography and its applications”, 19th-23rd Decemeber, 2016.
4. A Two-day Workshop on “Mathematics for Researchers in Cryptography”, 17th-19th July 2017.

12. Conferences/Workshops/Training Programs attended:

1. E.Pragnavi and V Sukanya, attended FDP on “Entrepreneurship” organized by EDC, OU during 18th -30th April, 2016.
2. Dr P V Sudha attended FDP on Basic Concepts and Issues in Big Data Management organized by IIT Indore during 5th – 7th Dec 2016.
3. K.Shyamala attended 5-day Faculty Development Program on Management Capacity Enhancement “ organized by IIM, Kozhikode, during 5th- 10th Decemeber, 2016.
4. Dr B.Sujatha, attended Faculty Development Programme on “Software Engineering and Testing Methodologies” during 23rd Jan-2nd Feb 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 for 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 for lakhs, (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 for 1.0 lakhs, (2015-2016).
4. Dr. P V Sudha, Principal Investigator for project titled ” I mplementingEnergy Management using Software Defined Networks for Cloud environment” funded by TEQIP-II for 1.0 lakhs, (2015-2016).
5. Dr. A. Hameed, Principal Investigator for project titled ” Creating a social network dataset excluding bots contribution” funded by TEQIP II for 1.0 lakhs, (2015-2016).
6. Cloud Computing Research Lab was setup in collaboration with CipherCloud Pvt. Ltd. at a cost of Rs.10 lakhs.
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



Dept. Library



Software Lab-2



Dept. Library



Rain Water Harvesting Pits



Inauguration of Cloud Computing Research Lab



S-1 Laboratory




























Department Seminar Library & Reading Room



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



TEACHING FACULTY

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



**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 Programs

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. Department is also offering two year M.E (Railway Signaling & Tele-communication Engg.) course in collaboration with IRISSET, Hyderabad.

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 Programs:

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 Chairman BOS in ECE (Global)	VLSI and Embedded Systems. Parallel Processing and Numerical Techniques.
Associate Professors		
2	Dr. B. Rajendra Naik Ph.D HEAD	VLSI design, Electronics Devices, Image Processing
3	Dr. R. Hemalatha Ph.D	Embedded Systems, Wireless Communication,
4	Dr L. Nirmala Devi Ph.D	Signal Processing & wireless sensor Networks
5	Dr. D. Ramakrishna Ph.D Chairman BOS in ECE (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	Mrs. A. Bharathi M.E	Microwave Antenna RF and Microwave Engineering EM wave theory
12	Mrs. 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 B.E	Wireless Communication
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 Programs 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 Electromagnetics, 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,

Dr. P. Chandra Sekhar

1. A Major Research Project from UGC was sanctioned to Dr. P. Chandra Sekhar entitled “GNSS Software Receivers: Baseband Processing with FPGA.” The sanctioned amount is Rs. 15 Lakhs for a period for three years.

2. A consultancy project on Design and Development of FPGA based dual threshold WAM technique for Multilateration System Sponsored by DLRL, Hyderabad

Dr. B. Rajendra Naik

1. A minor research project Titled 'Design and implementation of an efficient Image compression Technique on FPGA' from TEQIP phase-II UCE Osmania University in 2016.
2. Young faculty research project on "Signal integrity performance analysis for high speed VLSI design, safty"

Dr. L. Nirmala Devi

1. A Project titled "Security and data transmission issues in mobile Adhoc networks." It is supported by department of science and technology (DST) Govt. of India.
2. A Project on "Energy Management in Wireless Sensor Network" from Development of Electronics and Instrumentation Technology (DEITY), Government of India.
3. A project on "performance analysis of crop monitoring system using WWSN", UGC NewDelhi.

Mr. P. Naveen Kumar

1. The Department in collaboration with NERTU has received the major project titled "Investigation of Atmospheric Effects on Future Ground Based Augmentation for GPS System", sponsored by Department of Science and Technology, Ministry of Science and Technology, Science and Engineering Research Council, Government of India, of amount Rs. 33.33 Lakhs, for a period of 3 years.
2. A project on "Indian Regional Navigation Satellite Systems" from ISRO, 2017.

Dr. D. Ramakrishna

1. Project titled "Analysis, Design and Simulation of W – band Antenna for FMCW Applications". It is supported by RCI, DRDO, Hyderabad, Minister of Defense, Govt of India of amount of Rs. 9.99 lakhs.
2. Project titled Compact Microwave band Pass Filters using Electromagnetic band gap structures." It is supported by TEQIP Phase II UCE,OU.



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 ALTYs – 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:

Conferences

Dr. P. Chandra Sekhar

1. Srinivasa Rao G, B Pradeep Kumar, T Abhishek Reddy and P Chandra Sekhar, "Analysis of FDTD algorithm with an Additive Source using Verilog HDL," 3rd International Conference on Electronics and Communication Systems (ICECS-2016), Coimbatore.
2. Sreehita, Sowmya, Sumanjali, Pradeep and P Chandra Sekhar, "Design of PRN Based Octa-Rate Clock and Data Recovery circuit using FPGA," International Conference on Signal and Information Processing (ICConnSIP-2016) 6-8 Oct'16, Nanded.

Dr. B. Rajendra Naik

1. "Timing Analysis of Noisy MRI Images with Segmentation methods", IEEE SPONSORED 3rd INTERNATIONAL CONFERENCE ON ELECTRONICS AND COMMUNICATION SYSTEMS (ICECS 2016), 978-1-4673-7832-1/16/\$31.00©2016 IEEE.
2. "Tissue Segmentation and Bias Field Estimation of Medical Images" IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems ICIIECS'16, 978-1-4673-8207-6, 2016.
3. "Performance Analysis of Image Segmentation methods for Noisy MRI images", IEEE Sponsored 5th International Conference on international conference on communication and signal processing (ICCSP'16), April 6-8,2016,india,978-1-5090-0395-2/16/\$31.00-@2016 IEEE.
4. "High Performance One Bit Full Adder Logic Cell", IEEE SPONSORED 3rd INTERNATIONAL CONFERENCE ON ELECTRONICS AND COMMUNICATION SYSTEMS (ICECS 2016), 978-1-4673-7832-1/16/\$31.00©2016 IEEE.
5. "Design and Estimation of Low Power and Area for 4 bit Carry Save adder using Cadence" IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems ICIIECS'16, 978-1-4673-8207-6,2016.
6. "Mapping of Five input Wallace tree using cadence tool for low power, low area and high speed", IEEE Sponsored 5th International Conference on international conference on communication and signal processing (ICCSP'16), April 6-8,2016,india,978-1-5090-0395-2/16/\$31.00-@2016 IEEE.
7. "Design of Low Power High Speed Full Adder Cell with XOR/XNOR Logic Gates", IEEE Sponsored 5th International Conference on international conference on communication and signal processing

- (ICCS'16), April 6-8, 2016, India, 978-1-5090-0395-2/16/\$31.00-@2016 IEEE, IEEE Advanced Technology for Humanity.
8. "Design and Estimation of Power Optimization and Area for 4 bit Carry look ahead adder using Cadence" SPRINGER Sponsored 5th International Conference on Innovations in Electronics and Communication Engineering (ICIECE - 2016) on 08-july-2016.
 9. "High Performance Wireless System by Using VA and GA Selection", IEEE Sponsored 5th International Conference on international conference on communication and signal processing (ICCS'16), April 6-8, 2016, India, 978-1-5090-0395-2/16/\$31.00-@2016 IEEE.
 10. "High Speed Low Power Wireless Signal Timing Analysis on FPGA using Turbo Coding and Viterbi Algorithm" India International conference on Information processing (IICIP-2016) during August 12-14 at New Delhi. IEEE Conference no: 37817.
 11. "Power and Area Calibration of Switch Arbiter for High Speed Switch Control and Scheduling in Network-on-Chip" 13th International SoC Design Conference (ISOC 2016) during 23 - 26 Oct 2016 Jeju, South Korea.
 12. An Improved Image Compression for Natural and Medical Images using Spatial Oriented Tree Wavelet" IEEE Sponsored International Conference on Engineering and Technology (ICET'16) on December 16th and 17th, 2016, ISBN 978-1-5090-3213-6.
 13. "A novel design of Power and Area Optimization for 4x4 Booth Multiplier using 180nm Technology" SPRINGER Sponsored, International Conference on Industrial Electronics and Computer Science (ICIECS-2016) South Asian Research Centre (SARC), December 11th, 2016. ICIECS-2016, New Delhi.
 14. "A Novel Design of Power and Area Optimized 12 bit Carry Select adder using Cadence 45nm Technology "IEEE Sponsored International Conference on Engineering and Technology (ICET'16) on December 16th and 17th, ISBN 978-1-5090-3213-6
 15. "Power and Area Optimization for 4 bit Arithmetic and Logic Units (ALUs) using 45nm Technology" IEEE Sponsored International Conference on Engineering and Technology (ICET'16) on December 16th-17th, 2016, ISBN 978-1-5090-3213-6.
 16. A Novel Bias Field Estimation Analysis and Classification of MR Images" IEEE International Conference on Communication and Signal Processing (ICCS'17), April 6-8, 2017, Chennai, India
 17. "An Improved Image Compression for natural and medical Images using Spatial Oriented Tree Wavelet" IEEE International Conference on Engineering and Technology (ICET-2016) Tamilnadu, India.
 18. "Image Compression Using Adaptively Scanned Wavelet Difference Reduction Technique (ASWDRT)" IEEE International Conference on



Intelligent Computing and Control Systems ICICCS 2017, June 15-16 2017, at Madurai, India.

19. "Modified bias field estimation and Classification of medical Images" International Conference on Systemics, Cybernetics and Informatics (ICSCI-2017) March 9-12, Hyderabad, India.
20. "EDA Design in VLSI Using Coding Techniques" IEEE International Conference on Communication and Signal Processing (ICCSP-2017), April 6-8, 2017, Chennai, India.
21. "High-Throughput and Energy-Efficient SCL Decoder Design using FPGA" IEEE International Conference on Communication and Signal Processing (ICCSP-2017), April 6-8, 2017, Chennai, India.
22. "Design of a low power adaptive LMS filter for filtering different input signals" IEEE International Conference on Communication and Signal Processing (ICCSP-2017), April 6-8, 2017, Chennai, India.
23. High-Throughput and Energy-Efficient SCL Decoder Design for Polar Codes" Joint Telematics Group/IEEE Information Theory Society IIT Bombay, May 28-31, 2017.
24. "Design And Implementation of LUT Based FPGAs" International multidisciplinary conference on "Education for Future: Issues and Challenges" 8th – 9th July, 2017, Osmania University

Dr. L. Nirmala Devi

1. "Enhancement of Clustering protocol for wireless sensor networks", International Conference on 'Wireless Communications, Signal Processing & Networking (WiSPNET 2016)' March 23rd -25th 2016, Chennai, Tamil Nadu, India.
2. "Optimization of Energy in Wireless Sensor Networks using clustering Techniques" IEEE International Conference on 'Communication and Electronics Systems (ICCES 2016)' October 21 – 22nd, 2016 Coimbatore, India.
3. "performance Analysis of communication Link using different channel modeling techniques for train collision Avoidance System" International Conference on Imaging ,Signal Processing and Communication(ICISPC 2017) at Penang, Malaysia during July 26-28,2017.
4. "Investigations on LEACH, Hetro-LEACH,SEP and NHSEP Routing protocols in WSN" at International conference at Zürich, Switzerland during 1st -3rd Sept 2017

Dr. Ramakrishna

1. M.Muthukumar, D.RamaKrishna and V.M.Pandharipande "Hybrid TR Module for Phased Array Antenna Application" Asian Electromagnetics Symposium 2017(ASIAEM2017) to be held during July 23-27, 2017,Bengaluru, India.(Accepted)

DR. P. Naven Kumar

1. "Analysis of User Position for Various Conditions Using GPS/GAGAN Single Frequency Receiver for Low Latitude Regions". X International Geographical Union (IGU) Conference on Urbanization, Health and Well-being and Sustainable Development Goals", on March 17th-19th, 2017, Hyderabad.
2. "Analysis of Experimental Data obtained using GNSS Receivers for Low Latitude Region" X International Geographical Union (IGU) Conference on Urbanization, Health and Well-being and Sustainable Development Goals", on March 17th-19th, 2017, , Hyderabad.

M. Shyam Sunder

1. " Analysis of LPI Radar signals using QMFB technique", National conference on Advanced signal processing, Embedded and Communication system(ASPECS-2016) during 11th August -12th August 2016.
2. " Estimation of modulation parameters for LPI Radar using Quadrature Mirror Filter Bank", in the IEEE international conference on Electrical, Computer and Electronics Engineering (UPCON 2016) during 9th -11th December 2016.

R. Sandhya

1. " Adaptive Routing mechanism for Real-time Wireless Sensor Networks based on Two-hop information", Advances in Intelligent Systems and Computing, (ASIC), Vol. 479, Rajesh Singh and Sushabhan Choudhury (Eds): Proceeding of International Conference on Intelligent Communication, Control and Devices , DOI: 10.1007, ISBN 978-981-10-1707-0, 393445_1_En, (7), pp 59-68, 2017.

A. Bharathi

1. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, "Design of Polarization Reconfigurable Microstrip Antenna with Frequency Tuning" International workshop on Antenna Technology (iWAT-2016), 29th Feb - 2nd March 2016, Florida, U.S.A., pp. 150-154.
2. Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "Polarization Reconfigurable Square Slot Ring Antenna with CPW-to-Slotline Transition", IEEE TENCON 2016, Technologies for Smart Nation 22 - 25 Nov 2016, Marina Bay Sands, Singapore, pp. 1064-1067.
3. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, "A Polarization Reconfigurable Array Antenna for Wireless Communication," IEEE Asia Pacific Microwave Conference (APMC 2016), 5 – 9 Dec, 2016, New Delhi, India, Delhi.



11. Journals

Dr. B. Rajendra Naik

1. A Comprehensive analysis of design and simulation of Power optimized CRC Algorithm for ZIGBEE application. International Journal of Engineering research and Technology, Volume 6, Issue 04, April 2017

Dr. L. Nirmala Devi

1. “A Novel Approach for Efficient LDPC Coding” International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT), Vol. 3, Issue 3, May 2017, ISSN:2454-132X

Dr. D. Ramakrishna

1. D.RamaKrishna and V.M.Pandharipande “Design of Active Reconfigurable Wheel Antenna using PIN Diodes”, Springer-Radioelectronics and Communications Systems, Volume 59, Issue 10, pp.442-448, 2016

R. Sandhya

1. Sandhya Rachamalla and Anitha Sheela Kancharla, “A two-hop based adaptive routing protocol for real-time wireless sensor networks”, Journal: SpringerPlus, Vol 5 (1), pp 1-12, ISSN 2193-1801, July, 2016. (IF: 0.982)

A. Bharathi

1. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, “A Novel Single Feed Frequency and Polarization Reconfigurable Microstrip Patch Antenna”, International Journal of Electronics and Communication (AEU), ELSEVIER, Vol.72, February 2017, pp. 8–16.
2. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, “A quad-polarization and frequency reconfigurable square ring slot loaded microstrip patch antenna for WLAN applications” International Journal of Electronics and Communication (AEU), ELSEVIER, Vol.78, August 2017, pp. 15-23.
3. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, “Design of Polarization Reconfigurable Microstrip Antenna with Frequency Tuning” Forum for Electromagnetic Research Methods and Application Technologies (FERMAT) JOURNAL, University of Central Florida, USA. Vol. 20, Mar 2017.

12. Guest Lecture Delivered

Dr. P. Chandra Sekhar

1	Different Modeling Styles of VHDL and VERILOG	RCI, Hyderabad	19 th May, 2015
2	Case Studies Using VHDL/VERILOG HDL	RCI, Hyderabad	21 st May, 2015
3	Advanced Mixed Signal Design	FDP on VLSI and Embedded System Design at CBIT, Hyderabad	23 rd June, 2015
4	Advanced Microcontrollers: An Overview	FDP on Embedded System Design at Dept of Physics, OU	31 st Aug, 2015
5	Recent Advances in Defense Communication Systems	Dept of ECE, SVUCE, Tirupati under TEQUIP-II	6 th Feb, 2016
6	Introduction to CMOS VLSI Design Challenges	RCI, Special CEP on Low Power VLSI Techniques using Latest Techniques, 22 nd to 26 th Feb, 2016	22 nd Feb, 2016

Dr. L. Nirmala Devi

1. Delivered a Lecture in Faculty Development Program (FDP) on "Advanced Digital Communication" on 1st August 2015 at Dept. of ECE, JNTUH College of Engineering, Hyderabad.
2. Delivered a lecture on "Over view of wireless Sensor Networks" at Aurora's Technological Research Institute on 6th October, 2015
3. Delivered a lecture on "Communication Receivers" at University College of Engineering, Mahatma Gandhi University, Nalgonda on 11th November 2015
4. Delivered a Lecture on Wavelength Routing in Optical Networks" at NITTTR Hyderabad on 2nd February 2016.

13. Workshops/ Seminars Attended

Short Term Courses/ Workshops attended

1. Dr. B. Rajendra Naik attended a two day workshop on "Teaching, Learning and Assessment Methodologies" Organised by University College of Engineering Osmania University Hyderabad on 13th and 14th December, 2016.
2. Dr. B. Rajendra Naik conducted "PCB System Forum" program, conducted by PCD system Forum Hyderabad India on June 9 2017.
3. Dr. L. Nirmala Devi had attended a short term course on 'Emerging Trends in Mobile Communication' during 2nd-7th May, 2016 at NIT, Goa.
4. Dr. L. Nirmala Devi had attended a short term course on "Wireless Networks" at NITTTR Chandigarh during 22-05-2017 to 26-05-2017



5. Dr. D. Ramakrishna attended the first Indo-French Workshop on Microwave Nanotechnologies (MiNa) organized by the Indian Institute of Science, Bangalore with support from CEFIPRA, CNRS and Thales Aerospace during 03-04 July 2017 at IISc Bangalore.
6. Dr.P.NaveenKumar, had participated as Board member in DRTC Assessment Board, CEPTAM, Defence Research and Development Organization (DRDO), June 2017.
7. Dr.P.NaveenKumar, had participated as Board member of Assessment Committee and Screening Committee in National Geophysical Research Institute (NGRI).
8. Dr.P.NaveenKumar, had participated in Two day workshop on “COMmunication INTelligence
9. (COMINT) Systems”, organized by DLRL and CBIT, during 25th – 26th October, 2016.
10. Dr.P.NaveenKumar had, participated in “ MARS SUMMIT 2017”, Sponsored by Valles Marineris International Private Limited, Space Development Nexus, and organized by ACS College of Engineering Bangalore, during 21 – 23 Feb 2017.
11. Mr. M. Shyam sunder attended 5 day workshop on “Radar Signal Processing” from 25th July 2016 to 29th July 2016 conducted by NERTU,OU and CBIT in NERTU building OU, Hyderabad .
12. Mr. M. Shyam sunder attended a Orientation Course Organized by UGC-HRDC of Osmania University during 07-09-2016 to 06-10-2016
13. Mr. M. Shyam sunder attended two day intensive course on “Applications of Signal Processing to Radar, Communications & EW Engineering” on 2nd and 3rd March 2017, conducted by DERL, Hyderabad and CBIT in Department of ECE, CBIT, Hyderabad.
14. Mrs. R Sandhya attended two-day workshop on “ Teaching, Learning and assessment Methodologies” under TEQIP II during 13th -14th December, 2016 at UCE(A), OU.
15. Mrs. A. Bharathi attended FDP program on one week faculty development programme on “RF Antenna Design” jointly organized by Electronics and ICT Academy, NIT Warangal and Dept. of ECE, Mahatma Gandhi Institute of Technology(MGIT), Hyderabad from 19/06/2017 to 24/06/2017 at MGIT, Gandipet, Hyderabad.

14. Guest lecturers delivered

1. Dr. B. Rajendra Naik delivered a lecture in Advances in Digital system Design at SVIT Secunderabad, on 13th Feb 2017
2. Dr. L. Nirmala Devi delivered a Lecture in Faculty Development Programme (FDP) on “Advanced Communication Systems” on 28th June 2016 at NITTTTR, Hyderabad.

3. Dr. L. Nirmala Devi delivered a Lecture in Faculty Development Program on Signal Processing in RADAR Applications at NITTTR Masab Tank, Hyderabad on 29th august 2016
4. Dr. D. Ramakrishna deliver a Lecture on review of Basic Electromagnetic Theory in a CFP Course on "Microwave and mm Wave Receiver Applications in EW" organized by Defense Electronics Research Laboratory, Hyderabad, India for their scientists during 12-16 December 2016.
5. Dr. D. Ramakrishna delivered a lecture on Microwave Engineering on 05th November 2016 at University College of Engineering and Technology, Mahatma Gandhi University, Nalgonda, India.
6. Dr. D. Ramakrishna delivered Two Lectures on Electrostatics in a 5-Day Faculty Development Programme on Electromagnetic Fields, Transmission Lines and their Applications organized by CVR College of Engineering, Hyderabad, India during 21st to 25th November 2016.
7. Dr.P.NaveenKumar, delivered an expert talk at the 'Defence Electronics Conclave - 2017', Organized by Govt. of Telangana, DRDO and Electronic Industries Association of India, for Armed forces of India, on 28th April 2017, at Hyderabad.
8. Dr.P.NaveenKumar, delivered a technical talk on "IRNSS", during One day workshop on 'GNSS & its Applications', Organized by IEEE-MTT-S Chapter and Dept. of ECE, UCE, OU, on 19th October, 2016.
9. M. Shyam sunder A guest lecture delivered in 5-Day Faculty Development Programme(21.11.2016 to 25.11.2016) On "Electromagnetic Fields, Transmission Lines and their Applications"Organized by Department of ECE, CVR College of Engineering, Vastunagar, Mangalpalli(V), Ibrahimpatan(M), R.R.District.

15. 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	MIEEEE, MIETE, MIE,MISSS,MISTE
Dr. P. Naveen Kumar	MIEEEE, MIACSIT, MISOI, MBES, MISTE, FIETE
Mrs. P. Kotilaxmi	MIETE
Mr. Md. Misbahuddin	MIETE, MISTE
Mr. M. Shyam Sunder	MIETE
Mrs. A. Bharathi	MIETE, MIEEEE



16. OTHER INFORMATION:

The OUECE Alumni Association is a dynamic and vibrant organization. Its main activities of OUECEAA are to:

1. Make all students to become members and active participation in the association activities.
2. Conduct reunion meets regular every half year.
3. Provide awards to best out going BE and ME students and 3rd year summer project.
4. Publishing half yearly newsletters.
5. Conducting guest lecturers with alumni.
6. Strengthening Industry-Institute Interactions.
7. Dr. B. Rajendra Naik award “Young Faculty Research Fellowship” under Visvesvaraya Scheme in 2016
Dr. B. Rajendra Naik chaired a session in International multidisciplinary conference on “Education for Future: Issues and Challenges” 8th – 9th July, 2017, Osmania University, Hyderabad.
8. Dr. B. Rajendra Naik chaired a session in 7th International Advanced Computing Conference (IACC-2017), 5-7th January 2017 at VNR Vignana Jyothi Institute of Engineering and Technology Hyderabad India.
9. Dr. D. Ramakrishna serving as a Secretary for the Education Society Chapter of IEEE Hyderabad Section since January 2017.
10. Dr. D. Ramakrishna Served as Session Chair for the work shop titled “Doppler Radar for Tracking Humans” organized during 2016 IEEE MTT-S International Microwave and RF Conference (IMaRC2016) held at New Delhi, India during 5-9 December 2016.
11. Dr. D. Ramakrishna served as Session Chair for NDT Using RF session in the in the 2016 IEEE MTT-S International Microwave and RF Conference (IMaRC2016)held at New Delhi, India during 5-9 December 2016.
12. Dr. D. Ramakrishna served as Session Chair for Active and Passive Microwave circuits session in the in the 2016 IEEE MTT-S International Microwave and RF Conference (IMaRC2016)held at New Delhi, India during 5-9 December 2016.
13. Dr. D. Ramakrishna served as Organizing Committee member of 2016 Asia-Pacific Microwave Conference (2016 APMC) held in New Delhi, India during 5-9 December 2016. This conference was sponsored by IEEE Microwave Theory and Techniques Society (MTT-S), technically supported by European Microwave Association (EuMA).
14. Dr.P.NaveenKumar, is appointed as Coordinating Officer for IRNSS project-MoU between University College of Engineering (UCE), OU

- and Space Applications Centre (SAC), Indian Space Research Organization (ISRO), Ahmedabad.
15. Dr.P.NaveenKumar, was appointed as Departmental Convenor, for ME(ECE)(PTPG-2017) admissions.
 16. Dr.P.NaveenKumar, as Assistant Controller of Examination, had successfully completed five and half years of service, in the Examination Branch, Osmania University.
 17. Dr.P.NaveenKumar is Peer Reviewer for IEEE Transactions on Industrial Electronics, IET Radar, Sonar & Navigation Journal (IEEE Journal), IEEE Antennas and Propagation Magazine, ACM Computing Survey and other National/International Journals/Conferences.
 18. Dr.P.NaveenKumar, has been promoted as Associated Professor, in the Dept. of ECE, UCE,OU, with effect from June 2015
 19. Mr. M. Shyam Sunder best paper award for the title " Estimation of modulation parameters for LPI Radar using Quadrature Mirror Filter Bank" in the IEEE international conference on Electrical, Computer and Electronics Engineering(UPCON2016) during 9th -11th December 2016.

17. 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. programs 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.



Communications Lab



CV Raman Heterogeneous Computing Lab



Electronics Lab



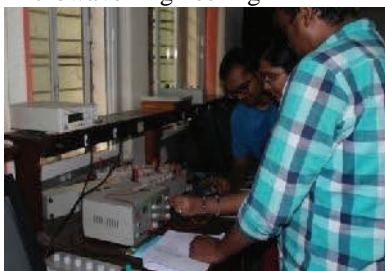
Microprocessor Lab



JC Bose RF & Microwave System Simulation Lab



Centre for Excellence in microwave Engineering



Digital Circuits Lab



VLSI Lab



Research scholars Lab



Department Library



Aakruthi 2017





Inauguration of Lab By ISRO Chairman Shri. A. S. Kiran Kumar



MOU (ISRO-UCE,OU)



Inaugural of the Lecture by Hon'ble Prof. S. Ramachandram, VC, Prof. S. Sameen Fatima, Principal ,UCE, Dr.B.Rajendra Naik Head dept of ECE and Prof K.S.Narendra , Director of the Centre for Systems Science at Yale University USA., 33rd Prof.K.K. Nair Commemoration Lecture on 27th December, 2016



Prof. N. Viswanadham Presenting 3rd Prof. Alladi Prabhakar Endowment Lecture on 30th March, 2016

DEPARTMENT OF ELECTRICAL ENGINEERING



TEACHING FACULTY

Professors



Dr. P.V.N. Prasad



Dr. G. Yesuratnam



Dr. M.Manjula



Dr. B.Mangu

Associate Professors



Mr. M.V. Ramana Rao



Dr. G.Mallesham



Dr. P.Srinivas



Dr. E. Vidya Sagar

Associate Professors



Dr. P. Satish Kumar



Mr. CH. Siva Kumar



Mrs. G. V. Naga Lakshmi



Mrs. E. Sreeshobha

Assistant Professors



Mr. R. Linga Swamy



Mrs. N. Susheela



Mr. P. Lokender Reddy



Mrs. N. Srilatha



Mrs. B. Sirisha



Dr. J. Upendar



Mrs. U. Suryavalli

Assistant Professors (Contract)



Mrs. G. Jhansi Rani



Mr. S. Vijender Reddy



Mr. G. Srikanth



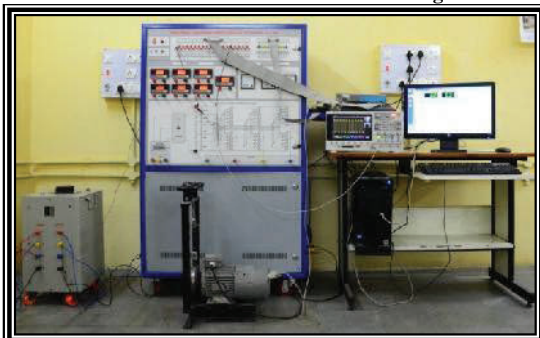
Mr. G. Kiran Kumar

Research Lab for Multilevel Inverters

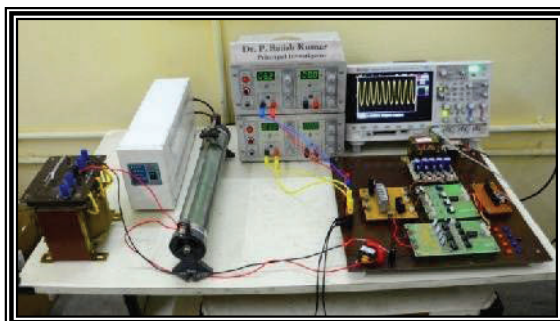
(Established by Dr. P. Satish Kumar)



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 programs, 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.
Associate Professors	
Mr. M.V. Ramana Rao M.Tech., (Ph.D.) Head of the Dept.	Power Electronics, Electric Drives & Special Machines
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
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
Mrs. N. Susheela M.E. (Ph.D.)	Power Electronics & 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
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
Mrs. 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. Prof. Rezwan Khan, **Vice Chancellor**, United International University (UIU), Bangladesh, **delivered a guest lecture** on “Solar PV based Standalone Grid System for Developing Countries” on 11th April, 2017, coordinated by **Dr. J. Upendar**
2. Dr. Ch. Anand Babu Associate Professor, Electrical Engineering Department, VIGNAN's Institute of Information Technology, Vizag, A.P. **delivered a guest lecture** on “String Inverter Topologies for Grid-Tied PV Systems” and **given a Training Programme** on “Digital Control Implementation Using TMS320F28335 Platform” from 7th & 8th April, 2017.
3. **Techsonance-2017**, 18th National level students Technical Symposium, during 9th -11th March, 2017 coordinated by Dr. G. Malleshham.
4. As a part of student technical festival, **Techsoance5K run** was organized by students on 5th March, 2017. Honorable Hyderabad Mayor B. Rammohan and Vice-Chancellor S. Ramachandram flagged-off the run to create awareness about two concepts.
 - Usage of energy efficiency electrical appliances.
 - To encourage people to generate power in their own houses by installing roof top solar panels.

5. Dr. V.V.S. Pradeep Kumar **delivered a guest lecture** on “Grid Integration of Solar Photovoltaics” in the Department on 1st March, 2017 at 10.30 A.M.
6. A **Two Day Training Program** under **TEQIP-II** was organized by Dr. P. Satish Kumar on “Implementation of Space Vector Pulse Width Modulation to Multilevel Inverters using FPGA” a technology transfer under SERB-Search Project during 16th -17th September, 2016.
7. A **Two Day Workshop** on “Power Quality-Harmonic Analysis for Power Systems” on 19th – 20th September, 2016, coordinated by Dr. M. Manjula & Mrs. G.V.Naga Lakshmi.
8. B.E II/IV II- Semester (around 50 students) visited KTPS, Paloncha, Khammam Dist., on 14-03-2017 to 15-03-2017 **Industrial tour**. The following staff members accompanied the students.
 - Dr. B. Mangu, Head of Department
 - Dr. G. Mallesham, Assistant Professor
 - Mrs.G.V. Naga Lakshmi, Assistant Professor
 - A. Jain Kumar, Staff
9. B.E III/IV II- Semester Students visited KTPS, Paloncha, Khammam Dist., on 14-03-2017 to 15-03-2017 **industrial tour** around 64 students. The following staff members accompanied the students.
 - Dr. G. Mallesham, Assistant Professor
 - Mrs. N. Susheela, Assistant Professor
 - Mrs. B. Sirisha, Assistant Professor
 - Mr. G. Srikanth, Assistant Professor

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. Research Publications during 2016-17

Name of the Faculty	National/ International Journals	National / International Conferences
Dr. P.V.N. Prasad	3	4
Dr. G. Yesuratnam	1	6
Dr. B. Mangu	1	-
Dr. P. Srinivas	3	1
Mrs. E. Sreeshobha	-	1
Mrs. N. Susheela	-	3
Dr. E. Vidya Sagar	-	1
Dr. P. Satish Kumar	2	8
Mrs. B. Sirisha	-	2

9. Faculty Achievements

1. Prof. G. Yesuratnam is appointed as **Director, Diamond Jubilee Library**, UCE, OU, w.e.f. 17-03-2017.
2. Prof. M. Manjula is appointed as **Director of Evaluation Examination Cell**, UCE, OU, w.e.f. 23-06-2017.
3. Dr. P. Srinivas is appointed as **Join Director of Evaluation, Exam Cell**, UCE, OU.
4. Dr. E. Vidya Sagar, appointed as **Coordinator for Incubation Centre**, UCE, OU.
5. Dr. P. Srinivas, appointed as **In-charge of Consultancy works (GHMC Testing etc.)**, w.e.f. 06-06-2017 in the department.
6. Dr. G. Mallesham, appointed as **Faculty Advisor for Ph.D Research Scholars (EE)** (Regular & Part Time) w.e.f. 06-06-2017 in the department.
7. Dr. J. Upender is appointed as **Assistant Chief Superintendent (Exams)**, of University College of Engineering, OU, October 2016
8. Dr. J. Upendar is appointed as **E-Liason Officer** of University College of Engineering, OU, w.e.f 01st October 2016 for the period of next two years.
9. Mr. P. Lokender Reddy is appointed as **Departmental Convener M.E / M.Tech (PTPG) admissions** for the academic year 2017-2018. w.e.f. 15-05-2017.
10. Dr. E. Vidya Sagar is appointed as **Chairman, BoS (A), UCE, OU** w.e.f. 08-03-2017
11. Dr. G. Mallesham is appointed as **Director Centre for Energy Technology**, UCE, OU – 2016.
12. Dr. P. Satish Kumar **Authored one text book** entitled “Pulse Width Modulation: Analysis and Performance in Multilevel Inverter” published by ‘De Gruyter Olden Bourg, Germany.
13. Dr. J. Upendar is the **Reviewer for the journal “IEEE Transactions on Power Delivery”**, TPWRD-00776-2015, from June 2015.
14. Dr. J. Upendar is the **Reviewer for the journal - “IET Generation, Transmission & Distribution”** from April/May 2015.
15. Dr. P. Satish Kumar is acting as **Editorial Board member** for “GE-International journal of Engineering Research”.
16. Dr. P. Satish Kumar is acting as **Reviewer for an international journal “Journal of Electrical and Electronics Engineering Research”**.

**Expert Lectures Delivered**

Faculty	Lecture Details	
N. Susheela	“Multi Carrier PWM strategies- Hybrid Multilevel Inverters”	Two Day Training Programme on “Implementation of Space Vector Pulse Width Modulation for Multilevel Inverters using FPGA” A Technology Transfer under SERB Project, sponsored by TEQIP Phase-II, organized by EED, UCE(A), OU during 16 th – 17 th September, 2016.
Mrs. N. Srilatha	“Power System Security - Challenges and Few Solutions”	M.E (EPE) students, EED, Malla Reddy Institute of Technology and Science, Hyderabad, 20 th December, 2016.
Mrs. B. Sirisha		Two Day Training Programme on “Implementation of Space Vector Pulse Width Modulation for Multilevel Inverters using FPGA” A Technology Transfer under SERB Project, sponsored by TEQIP Phase-II, organized by EED, UCE(A), OU during 16 th – 17 th September, 2016.
Dr. J Upendar	“Solar Basics – MPPT methods, Analysis of Different MPPT Algorithms of Solar PV Systems”	One week refresher course on “Power systems and power electronics” at EED, Malla Reddy Engineering College for Women, Medchal, Secunderabad, 24 th June 2016
	“Solar –Basics- MPPT Methods- Hardware Implementations”	M.E (EPE) students, EED, Sreenidhi Institute of Science and Technology, Ghatkesar, Hyderabad. 11 th July 2016

	“Solar –Basics- MPPT Methods”	One Week National Level Workshop on” Application of Power Electronics to Power Systems and Renewable energy Sources”,EED, GNITS,Shaikpet, Hyderabad, March 14 th – 18 th 2017
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10. 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

Field Visits

Various faculty members have coordinated one day field study to **220KV Substation** at Chandrayanagutta; **33/11 KV Substation** at ICT, Tarnaka, **132KV Gas Insulated Substation** located in Osmania University Campus, Hyderabad for BE III/IV students during their first and second semesters.

Student Achievements	
GATE RANK 5 (2017)	Sreenandan. J, 1005-12-734050
GATE RANK 66 (2017)	Sindhuja. D, 1005-12-734046
GATE RANK 133 (2017)	Venkateswara Reddy. M, 1005-12-734057
GATE RANK 134 (2017)	Akshay. P, 1005-12-734003
GATE RANK 223 (2016)	Chandra Sekhar. B, 1005-12-734011



11. Training / Learning Activities of the Department:

1. Mr. R. Linga Swamy has attended **One Week Course** on “Advanced Adjustable Speed AC Motor Drives Systems: Application Problems & Solutions” organized by the Dept. of EE, NIT, GOA, During 15th – 19th May, 2017.
2. All women faculty and non teaching staff have attended one day workshop on “Women for Excellence” WE 2017 (Be bold for change),organized by University College of Engineering(A), Osmania University, Hyderabad on 8th March, 2017.
3. Dr. E. Vidya Sagar has attended **Five Day Faculty Development Programme** at Coimbatore held during 19th – 23rd December, 2016 on “Integration of Alternate Energy Sources and Smart Grid”.
4. **Dr. J. Upendar** has attended the **83rd Orientation Program** from 07-09-2016 to 06-10-2016 organized by the (UGC-HRDC) Academic Staff College, O.U.
5. Mrs. N. Susheela has attended **One Week National Level Workshop** on “Real Time Practices in Electrical and Electronics Engineering (RPEEE)” during 26th September, 2016 to 1st October, 2016 at Dept. of EEE, Shri Vishnu Engineering College for Women (Autonomous), Vishnupur, Bhimavaram, West Godavari District, A.P.
6. **Dr. J. Upendar** attended the Two day Awareness workshop on “Teaching, Learning and Assessment Methodologies” organized by UCE, Osmania University, Hyderabad, Telangana State in association with NBA, New Delhi, on 13th-14th, Dec 2016.
7. **Mrs. N. Susheela** received Second Best Paper Award for presenting research paper titled “Mapping Method Based Space Vector Modulation Technique for Diode Clamped Multilevel Inverters” in the 3rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON-2016) held at Indian Institute of Technology, Banaras Hindu University, Varanasi, U.P, India during 9th – 11th December, 2016.
8. **Dr. J. Upendar** attended the one day Awareness workshop on “Outcome Based Education and Accreditation” organized by UCE, Osmania University, Hyderabad, Telangana State in association with NBA, New Delhi, on 18th Dec 2016.

12. Future Plans of the Department

To establish Research Centers in the field of

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



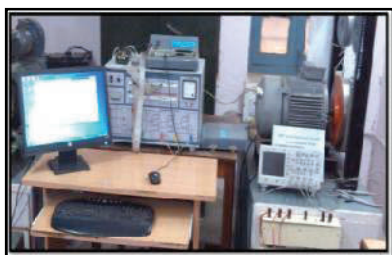
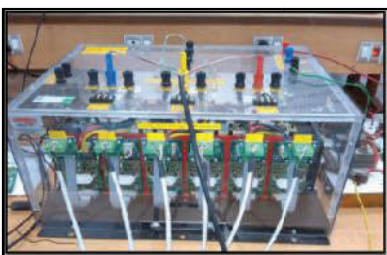
Feeder Protection Unit (Power system Lab)

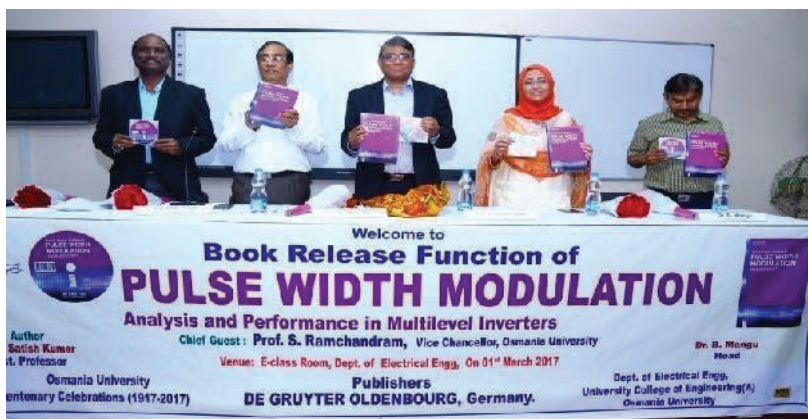


Electrical Machines lab



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**



Book Release function by Vice-Chancellor Prof. S. Ramchandram, Principal Ms. Sameen Fatima, and Head Dr. B. Mangu on 01-03-2017 in the department. **Book details:** “Pulse Width Modulation: Analysis and Performance in Multilevel Inverter” published by ‘De Gruyter Olden Bourg, Germany, authored by **Dr. P. Satish Kumar**, Associate professor.



Two Day Training Program under TEQIP-II was organized by Dr. P. Satish Kumar on “Implementation of Space Vector Pulse Width Modulation to Multilevel Inverters using FPGA” a technology transfer under SERB-Search Project during 16th -17th September, 2016.



DEPARTMENT OF MECHANICAL ENGINEERING



TEACHING FACULTY

Professors



Dr. A. Krishnaiah



Dr. P. Laxmi Narayana



Dr. Sriram Venkatesh



Dr. P. Ushasri



Dr. P. Ramesh Babu



Dr. R. Rajendra

Dr. M. Chandra
Sekhar Reddy

Associate Professors

Mr. V. Nageswara
RaoDr. M. V. Ramana
MurthyMr. V. Uma
Maheshwar

Dr. B. Hadya

Dr. K.
SaraswathammaDr. Narsimhulu
SankeDr. L. Siva Rama
Krishna

Dr. G. Narender

Assistant Professors

Mr. E. Madhusudan
Raju

Mrs. 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. Thermal Engineering.
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).

2. Faculty of the Department

Name of the Faculty	Research Areas/Specializations
Professors	
Prof. P.Usha Sri, Ph.D.(IIT-Madras) Head, MED,UCE,OU	Thermal Engineering, Turbo machinery, Computational Fluid Dynamics
Prof. P Laxminarayana, Ph.D. Dean, FoE, UCE,OU &Dean, StudentAffairs, OU	Production Engineering, Industrial Engineering, Engineering Research Methodology
Prof. SriramVenkatesh, Ph.D Chairman, BoS(Autonomous),OU &Director, IQAC, OU	Material Handling, CAD/CAM, Advanced Kinematics, Additive Manufacturing Technologies and Applications,
Prof. A.Krishnaiah, Ph.D (IIT Madras), Post Doc (South Korea) Vice-Principal, UCE,OU	Manufacturing, Severe Plastic Deformation. Nano Technology
Prof. P.RameshBabu Ph.D SpecialOfficer (Automation) , OU	Composite Materials, Finite Element Methods
Prof. R.Rajendra, PhD Chairman, BoS(Univ.),OU	Production Engineering, Metrology & Instrumentation, Robotics using soft computing
Prof. M.ChandraSekhar Reddy, Ph.D, Director, EDP, UCE,OU	Machine Design, Vibrations, Finite Element Analysis
Associate Professors	
Mr V. Nageswara Rao M.E.	Robotics, Machine Design
Dr. M.V.Ramana Murthy, Ph.D.	Non Conventional Energy, Heat Transfer
Mr. V.UmaMaheshwar, M.E. Placement Officer, UCE, OU	Thermal Engineering, Turbomachinery, Cascade Aerodynamics,
Dr. B Hadya, Ph.D.	Thermal Engineering, Heat Transfer
Dr. K. Saraswathamma, Ph.D.	Production Engineering, micro machining, Finite element Analysis.
Dr. NarsimhuluSanke, Ph.D.	Thermal Engineering
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
Mrs. T Nagaveni, M.E.	Production Engineering, Ceramic Processing
Miss.TSRVPadmalatha, M.E.	Production Engineering, Manufacturing Systems.



Assistant Professors (Contract)	
Mr. G Venkateshwarlu, M.E.	Production Engineering,
Mr. K. L. UdayKiran, 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;
Gazetted Staff	
Dr. K Buschaiah Ph.D (I.E./SCIENTIST)	Production Engineering

3. 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:

1. Advanced Manufacturing
2. Production Engineering
3. Metrology & Instrumentation
4. Metallurgy & Materials
5. Hydraulic Machines
6. Thermal Engineering
7. Workshop & Foundry
8. CAD/CAM, CFD
9. Computer Programming
10. Automation & Robotics
11. Center for Prototyping

4. Research/Consultancy Projects (ongoing):

Title of the Project	Coordinators/investigators	Funding Agency	Cost in Lakhs of Rs.
Production of Ultra-fine Grained Copper Tools by Equal Channel Angular Extrusion for Micro-Machining	Investigator: Prof A Krishnaiah	UGC	8.10

Assessment of Dimensional accuracy of Facial (Zygomatic) bone fractures reduction using Additive manufacturing	Investigator: Dr L Siva Rama Krishna	UGC	5.0
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	4.5
Funds allocated under TEQIP II			
An approach to minimise build errors and improve quality of prototypes in SLS additive manufacturing	Prof SriramVenkatesh	TEQIP-II	1.0 Lakh
Estimation of geometric dimensional deviation of constructed free form surfaces from machined free form surface	Dr R Rajendra	TEQIP-II	0.85lakh
Design and Manufacturing of scaffolds for Biomedical application using additive manufacturing	Dr L Siva Rama Krishna	TEQIP-II	0.85lakh
EEG signal based non invasive brain machine interface to control a two degree freedom RR type of planar robot arm	Mr E Madhusudan Raju	TEQIP-II	1.0 Lakh
Processing &characterisation of porous Zirconia ceramics by gel casting	Mrs.TNagaveni	TEQIP-II	1.0 Lakh

5. Infrastructure:

Equipment Purchased in the last Academic year:

1. Permeability meter and other equipment for foundry lab worth of 6.0 Lakhs of rupees.
2. Scanning box &Micro manometer instrumentation for turbomachinery lab worth Rs 9.0 Lakhs
3. Optical projector worth of Rs 7.0 Lakhs for metrology lab
4. Surf tester stand worth Rs 20,000/- for metrology lab
5. Pneumatic compressor for Pneumatic trainer kit worth Rs. 80,000/-
6. Festo based Pneuamtic trainer kit worth Rs 6.0 Lakhs for Automation & Robotics lab



7. FDM 3D Printer i.e Flash Forge Finder worth Rs. 50, 000/-

The above equipment are purchased from the funds allotted to the department under TEQIP-II

6. Events organized by Department:

1. Department jointly with DRDO organized International Conference on Advances in Materials & Manufacturing (ICAMM-2016) at LEONIA resort during Dec 8th – 10th, 2016. Prof A Krishnaiah & Sri MSN Prasad, DRDO were chairpersons, Prof Ramesh Babu & Sri CVS Murthy, DRDO were organizing secretaries and Dr.Saraswathamma & Sri B Hari Prasad were convenors for the conference. Total of 350 papers were received from all parts of India and Abroad, After peer review about 183 papers were selected for presentation at the conference. In this 62 papers were from various IITs and NITs, 45 papers were from R&D organizations and others from other universities and abroad. Prof P Laxminarayana, Prof SriramVenkatesh, Prof P Usha Sri, Prof R Rajendra, Mr V Uma Maheshwar & Dr L Siva Rama Krishna Chaired Technical Sessions
2. 9th Endowment Lecture of Prof. Abid Ali by Dr. M. RamaManohara Babu, Outstanding Scientist and Program Director-AGNI, ASL, DRDO Hyderabad, delivered Endowment Lecture on “Structural Health Monitoring of High Strength Solid Rocket Motor Casings with Acoustic Emission Testing” on 18th Jan 2017.
3. One day National seminar on “Recent Trends in Production Engineering” on occasion of Golden Jubilee year (1966 – 2016) of Production Engineering PG program on 18th Jan 2017.
4. Department organized a 2 day workshop on “Advanced Welding Techniques” (TEQIP-II sponsored) at MED, UCE, OU, Hyderabad during Oct.21-22, 2016. TEQIP –II funds were used for organizing this workshop. Dr k Buschaiah acted as the convener for the workshop.
5. Prof .P Ramesh Babu Organized 3-day workshop on Application of Numerical Methods in Science and Engineering during 21-23 October 2016.

7. Guest Lectures:

1. Prof J N Reddy, was awarded the distinguished Alumnus of the college during global alumni meet in December 2017. visited the department in Dec, 2016 and gave a lecture on Applications of FEM in the fields of biomechanics.
2. Prof J N Reddy, Advanced computational mechanics laboratory, Dept of Mechanical Engg, Texas A&M University, College station, Texas, delivered a keynote lecture on ‘computational modeling and simulations:

biological cells, composite shells and fluid flows’ at ICAMM-2016 held at Leonia Resort, Hyderabad on 09.12.2016.

3. Dr.Dasharath Ram, Outstanding Scientist & Program Director, DRDL, delivered a keynote lecture on ‘Advances in Manufacturing Technologies and Processes for aerospace product development’ at ICAMM-2016 held at Leonia Resort, Hyderabad on 09.12.2016.
4. Prof. Uday Chakkingal, Materials Forming Laboratory, Dept of Metallurgical and Materials Engineering, IIT Madras delivered a keynote lecture on ‘An overview of research in some areas of sheet metal forming’ at ICAMM-2016 held at Leonia Resort, Hyderabad on 10.12.2016.
5. Dr. VikasKumar, Outstanding Scientist & Associate Director, DMRL, delivered a keynote lecture on ‘ Structural Integrity Analysis of Defence Critical Components- An Holistic Approach’ at ICAMM-2016 held at Leonia Resort, Hyderabad on 09.12.2016.
6. Dr. Manojkumar, Director, Project 10, Missile Systems, DRDL gave valedictory address to the participants MECHARENA 2017 and students of department when he visited the department on march 14th March 2017.
7. Dr. Patrick Desilva, Director, ASL, DRDL, visited the department and gave key note address on the occasion of Inauguration MECHARENA 2017, a national level student technical symposium held on 13th -14th of March, 2017

8. Faculty Achievements

Prof. P. Usha Sri

1. Prof. P. Usha Sri Co-Chaired a Technical Paper Presentation Session at International Conference on Advances in Materials and Manufacturing (ICAMM-2016) held during December 8-10, 2016. The Conference was Jointly Organised by the Dept. of Mechanical Engineering, OUCE and DRDL, Hyderabad.

Prof P Laxminarayana:

1. **Technical Expert Member**, Telangana State Council for Higher Education (TSCHE), Govt. of Telangana State.

Prof. SriramVenkatesh

1. Appointed as Director, IQAC, Osmania University
2. Faculty advisor for Team Helios who participated in Electric solar vehicle competition(ESVC)

**Prof A Krishnaiah**

1. Published a textbook on Ultrafine Grained Microstructures in Bulk Materials by Severe Plastic Deformation Processes-Published by Lambert, Germany.
2. President of India Nominee for Pondicherry University, appointed by Ministry of HRD, Govt. of India.

Mr. V. Uma Maheshwar

1. Guided 25 students of the Department as Faculty Advisor for participation in a National Level SAE BAJA Competition held at Indore during February 15 -20, 2017 who designed, fabricated and tested an All Terrain Vehicle Four Wheel Vehicle called as Dirt Rider (Version 3). The Team was placed third in Marketing Presentation at National.
2. Guided 10 students of the Department as Faculty Advisor for participation at National Level SAE Efficycle event Scheduled at Lovely Professional University, Jalandhar during October 12 - 16, 2016. The students have designed, fabricated and tested an Efficycle named as "Technocrats"
3. Guided an All Girls Team named Team Athena as Faculty Advisor for participation at National Level Kart Racing Championship organised by Virtualis Motorsports scheduled during Sep 29 to Oct 02, 2016 at Kohlapur, Maharashtra. The Students have designed, fabricated and tested a Go Kart Vehicle. The Athena Team bagged a STIG award at the competition.
4. Guided two Student teams named Team Asphalt and TeamOUTornodo as Faculty Advisor for participation at National Level Kart Racing Championship organised by Virtualis Motorsports scheduled during Sep 29 to Oct 02, 2016 at Kohlapur, Maharashtra. The Students have designed, fabricated and tested two separate Go Kart Vehicles.

Prof. P. Ramesh Babu

1. Appointed as Co-Convener TSPGECET-2017,
2. Appointed as Member of Research Council, DRDL, Hyderabad
3. Appointed as Member TSPSC for all CET exams in Telengana state
4. Special Officer (Automation), Osmania University
5. Director, Central Computing Center, Technology Development Center, UCE, OU
6. Consultant to ICOMM Tele Ltd. Industry in establishing Composite products manufacturing facility.

Dr. L Siva Rama Krishna

1. Received Excellent Paper Award for the paper entitled, “ Design and Manufacturing of a Scaffold for Biomedical Applications Using Additive Manufacturing“ in the International Conference on International Conference on Recent Innovations in Engineering and Technology ICRIET-2017 held at Bhubaneswar on 12 March, 2017. This paper is an outcome of TEQIP-II Seed Money Project.
2. Certificate of Appreciation received from Yahodha Hospitals, Secunderabad for helping them in solving critical Cranioplasty Surgery for two patients who got a fractures on the skull by using 3D Printing Technology
3. Certificate of Appreciation received from MDS Care Hospitals Banjara Hills for helping them in solving critical Cranioplasty Surgery of a 17 Year old Male Patient who got a fracture on left parietal region of the skull by using 3D Printing Technology. The operation was successfully performed on 18-01-2013.
4. Received Certificate of Appreciationfor Reviewing the Reserach Papers of the Journal of Institution of Engineers India: Series C (Springer Series).
5. Received Award from Telangana State Aids Control Society (TSACS) on the occasion of International Youth Day (12-Aug-2016) at SundarayaVignanBhavanBhaglingampally, Hyderabad forsuccessfully conducting 4 blood Donation Camps in a row. The award was presented by Prof. Ch. Gopal Reddy, Honourable Registrar, Osmania University.
6. Certificate of Appreciation from Gandhi Blood Bank for Successfully conducting 4 blood Donation Camps in a row from 2013 in association with them.
7. Chaired a Technical Session in the International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016) Dept. of Mechanical Engg.,Faculty of Science and Technology, IFHE, Hyderabad during 23-24 Sep, 2016.
8. Chaired a Technical Session in the National Conference “Large Scale Multidisciplinary Systems of National Significance - Trends & Challenges” (LAMSYS-2016) organized by ISRO at Srihari Kota during24-25 June, 2016.
9. Chaired a Technical Session 5th International Conference on Material Processing & Characterization (ICMPC 2016)at GRIET, Hyderabad held during 12th – 13th March , 2016).

**Mr E Madhusudan Raju**

1. Department convener for PTPG Admissions, 2017
2. Faculty Advisor, MECHARENA-2017
3. Co faculty advisor, ESVC-2016
4. Co Faculty advisor, SAE BAJA-2016
5. Faculty advisor, EFFICYCLE-2017

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

1. V. Uma Maheshwar was an organising Committee member of International Conference on Advances in Materials and Manufacturing (ICAMM-2016) as Convenor for the Programme Committee for Inaugural and Valedictory Sessions of the Conference. The conference was held during December 8-10, 2016. The Conference was Jointly Organised by the Dept. of Mechanical Engineering, OUCE and DRDL, Hyderabad.
2. V. Uma Maheshwar, as Joint Secretary of the Alumni Association, University College of Engineering has organised a Global Alumni Meet of the College on December 25, 2016 which was attended by more than 400 Alumni across the globe. Mr. Shantanu Narayan, CEO of Adobe Systems was the Chief guest at the Meet. V. Uma Maheshwar has contributed as a donor for the establishment of new Office of Alumni Association of the College located in the College main building premises which was inaugurated during the meet
3. V. Uma Maheshwar has been appointed as the Coordinator for Centenary Celebrations of Osmania University. He has networked with Industry and many CEOs / Key Officials from the Industry were invited to the Inaugural programme of the Centenary Celebrations of Osmania University held on April 26, 2017
4. V. Uma Maheshwar has been appointed as the Convenor for CSR (Corporate Social Responsibility) Coordination Committee of Centenary Celebrations of Osmania University.

Dr. Narsimhulu Sanke,

1. Organizing Secretary of “**Quizzotic-2017**” conducted quiz finals comprises a spectrum of areas encompassing the latest developments both technical and non-technical arena.
2. Organizing Secretary of “**FreeStyle-2017**” (for BE First years) one day Programme conducted at University College of Engineering.

10. Workshops/ Seminars/ Training Programmes attended by Faculty Prof. P. Laxminarayana

1. 3-Day Workshop on “The Art of Participatory Leadership” organised by PSYCOM Assessment Solutions”, Hyderabad in 2016

Dr. K. Saraswathamma

1. Attended short term course: on “Modeling, Simulation & Experimental approaches of Unconventional Manufacturing Techniques” at IIT Madras, 13-18, March 2017

Dr. L. Siva Rama Krishna

1. With E. Madhusudan Raju, attended International Conference on Recent Innovations in Engineering and Technology (ICRIET- 2017 organised by International Institute of Research and Journals (IIRAJ) at Bhubaneswar, Odisha, India 12 March 2017.
2. Dr. K. Sarastwathamma, Dr. G. Narender, Dr. L. Siva Rama Krishna, Attended one day seminar how to prepare outcome based NBA self assessment report ' Dec, 2016

Mrs. T. Nagaveni

10. Attended 1st International and 18th ISME Conference, February 23 – 25, 2017, NIT Warangal.
11. Attended ICMPC in Dec 206
12. Attended a two week faculty development programme on “Entrepreneurship” organized by Entrepreneur Development Cell, Osmania University, Hyderabad. During 13-25 feb , 2017.

Ms. TSRV. Padmalatha

13. Attended two day workshop on Advanced welding techniques, Department of Mechanical Engineering 21-22 Oct 2016
14. Attended 2 week Gian course on “Process analysis and Metrology for Discrete Products Manufacturing” ,13-27 March,2017
15. Attended 2 week “Faculty Development Pogramme in Entrepreneurship” EDC, Osmania University , 13-25 Feb 2017
16. Attended one day workshop on “Outcome based Education and Accrediation” University college of Engineering, Osmania University,18 Dec 2016
17. With E. Madhusudan Raju, Dr. K Saraswathamma, Dr. L Siva Rama Krishna, Dr. Narsimhulu Sanke attended three day workshop on “Teaching Pedagogy” , Computer science Dept., Osmania University, 2017



Dr. K. Buschaiah

18. Attended and presented paper “Workability of metastable beta alloy Ti-5553” in International conference on Advances in Materials and Manufacturing held during 8-10 Dec 2016, Hyderabad
19. Attended two day workshop on Advanced welding techniques, Department of Mechanical Engineering 21-22 Oct 2016
20. Attended 2 week Gian course on “Process analysis and Metrology for Discrete Products Manufacturing” ,13-27 March, 2017
21. Attended 2 week “Faculty Development Pogramme in Entrepreneurship” EDC, Osmnia University , 13-25 Feb 2017
22. Attended one day workshop on “Outcome based Education and Accrediation” University college of Engineering, Osmania University, 18 Dec 2016
23. Attended three day workshop on “Teaching Pedagogy” , Computer science Dept., Osmania University, 2017

11. Guest Lectures Delivered by the Faculty

Faculty	No.of Guest Lectures delivered
Prof. SriramVenkatesh	01
Prof. P. Usha Sri	01
Prof. P. Ramesh Babu	06
Mr. V. Uma Maheshwar	02
Dr. K. Saraswathamma	02
Dr. L. Siva Rama Krishna	02

Prof. P. Usha Sri

- Delivered guest lecture on Research in Turbomachinery at “Advances in Research and Innovations in Mechanical Engineering “ a workshop organised by MuffakhamJah College of Engineering and Technology, Hyderabad during 30-31, Jan and 1, Feb, 2017

Prof. Sriram Venkatesh

- Delivered guest lecture on Rapid Prototyping at “Advances in Research and Innovations in Mechanical Engineering “ a workshop organised by MuffakhamJah College of Engineering and Technology, Hyderabad during 30-31, Jan and 1, Feb, 2017

Prof. P. Ramesh Babu

- Delivered lecture on Design of Composites Structures in a Five-days continuing education program on the Missile Structural Design and Testing at DRDL during 20-24 September 2016.
- Two- day National level workshop on Advanced Composite Materials conducted at the institute premises on February 6th and 7th 2017 at Department, Mechanical Engineering CMR Institute of Technology.
- Delivered lecture on Damage simulation in composites and repair technologies at one week faculty development program on Emerging Trends in Composite Materials and Industrial Applications (ETCMIA-2017), organized by CBIT, Hyderabad during 20th -25th March, 2017.

Mr. V. Uma Maheshwar

- V. Uma Maheshwar delivered an Inaugural Lecture on “Faculty Role in SAE India Initiatives” as Chief Guest at Inaugural Function of Faculty Knowledge Round Table (KRT) Club at Narsimha Reddy Engineering, Dhulapally, Medchal on March 3, 2017.
- V. Uma Maheshwar was an Expert Speaker on “Placement Trends in Engineering Colleges” at The Hindu EDGE Career Counselling session held on June 03, 2017 at Institute of Engineers, Hyderabad which was a ‘Career Counseling sessions’ for students who have appeared for TSEAMCET 2017 and seeking admission into engineering courses in June 2017.

Dr. K. Saraswathamma

- Finite element applications in mechanical and civil engineering, CBIT, 23 - 28 January 2017
- Engineering Graphics with CAD, Methodist College of Engineering & Technology, 28th July to 3rd August 2016.

Dr. L. Siva Rama Krishna

- Guest Lecture on “ Applications of 3d Printing In Bio-Medical and Bio-Aerodynamics Fields” organised by Department of Mechanical Engineering and Bio Technology, Sreenidhi Institute of Science and Technology, Hyderabad on the occasion of TEQIP-II sponsored one day National Seminar on Recent Trends in Bio-aerodynamics and Bio-mimicking---UMVs held on 25 March 2017.
- Guest Lecture on “Applications of 3d Printing In Biomedical, Aerospace And Automobile Industries” On The Occasion Of TEQIP Sponsored 3 Day National Workshop (9th To 11th March 2016) On “Recent Trends And Research Opportunities In Manufacturing Processes” Organized



By Department Of Automobile Engineering, VNR VignanaJyothi
Institute Of Engineering & Technology, Hyderabad, On 09-03-2016

12. Student Achievements (2016-17):

1. **Ananthagiri VLN Mahesh** secured All India Rank of 623 in IAS 2017
2. Two students are selected for externship program offered by M/s. Boeing, USA and have to work at M/s. Infotech, 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) J. Vani Sumohitha, Roll No. 100514736028 worked on Comparison of shut off valve housings (Boeing products) and re design by benchmarking
 - (ii) Mohammed Noman Ahmed, Roll No. 100514736028 worked on Design and analysis of Spur gear train for Auxiliary power unit of aircraft gear box

Mecharena 2017:

Department conducted 15th Student national technical Symposium “**MECHARENA 2017**” During 3rd -4th of March 2017. The faculty advisor for the event was **Mr. E Madhusudan Raju** and **Mr. Nitesh Reddy** was the student convener, The events like Treasure Hunt, Sarvatra, Monster Track, Impetus, Stipendium, Paper Presentations, cultural events, spot events, Workshops were part of the **Mecharena-2017** apart from Paper presentations and stipendium. More than 200 students registered for various events.

Top GRE/CAT scores by the students :

S.No.	Student Name	GRE/CAT Score
1	Manorama Sai	CAT 98 percentile
2	Sushma,	CAT-2017, Admission in IIM Indore
3	J Vani Sumohitha	GRE Score 318
4	Sara Imitiazuddin	GRE Score 307
5	Yeshasvi	GRE Score 302

BAJA-2016

A team of 25 aspiring students spanning from those in second year to fourth year have taken part in the most sought after Engineering design competition, "BAJA SAE INDIA 2017" held in Pithampur , Indore , Madhya pradesh in February , 2017 under the fitting name of "DirtRider" with the ever supporting, Mr. V. Uma Maheshwar as their faculty advisor. As a part



of the competition they've designed , fabricated and tested a single seater, four wheeler "All Terrain Vehicle (ATV)". They've managed to secure 108th position overall in the competition out of 450 participating teams from across the country . Better still, they secured 3rd position in the country for their business presentation in the same competition.

GOKART-2016

An aspiring team of 20 boys from the second and third year named “TEAM ASPHALT”, have taken part in the India’s biggest karting championship, “NATIONAL KART RACING CHAMPIONSHIP(NKRC)-2016” held at ‘Mohites Racing Academy’, Kolhapur, Maharashtra on 29th September, 2017 with Mr. V. Uma Maheshwar as their faculty advisor. As a part of the championship they’ve designed, analyzed and fabricated a Go-kart named “ASPHALT V3” .They’ve managed to secure 60th position overall in the competition out of 175 participating teams from across the country.

Electric Solar Vehicle Competition:

Team Helios participated on ESVC event conducted at Vishnu engineering college ,Bheemvaram AP in the month of April 2017 organised by Imperial society of innovative engineers. The team ended up as one among top 30 teams out of total 133 teams which participated and also won Go Green award. 25 students from 3rd and 2nd years were part of this team. It had three students from EEE and one student from ECE department. The team consisted of Tarun, joelmanohar, nomanahmed, osama, syedyosuffudin, Mustafa, monika, lakshmi, bhanurekha, fayaz, srija, sairamreddy, prasanth, sricharan, karthik, pavan, rubadas, awais, yosoufimitaizuddin, umar baser, balaji(EEE), srivatsava(EEE), avinash (EEE), mohan(ECE),The faculty advisor and cofaculty advisor for the event were Prof SriramVenaktesh and Mr E Madhusudan Raju

Efficycle-2016:

Efficycle is a 3 wheeled vehicle driven by both Human and aelectric 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 mokshit, jitesh, kavya, divya, saketh, sandeep, vineeth, vineel, nihar, mahidar. The event was organized by SAE India and conducted at lovely professional university, Punjab. The faculty advisor for the event was Mr V Uma Maheshwar.

Sports & Cultural Events

Students of the Department participated in the inter department sports events conducted by the college in the months of March and April



2017. The department students won Cricket Championship (most reputed and most respected event held in our college every year), Mr M Sampath won the best bowler of the tournament, Won the Table Tennis Championship and were semifinalists in Football Tournament.

The cricket team consisted of Sampath, Nikhil, Manideep, Nitish, Arifpasha, Nanda kishore, Gunakar, Arunsai, Prasad nayak, Vishal, Ajay kumarreddy, Madhav, Manikanth, Harsha, Pradeep, Rakesh

13. Research Publications/Presentations by the Faculty:

Faculty	No. of Publications in International/ National Journals	No of Presentations in International/National Conferences
Prof. P. Laxminarayana	04	04
Prof. SriramVenkatesh	01	01
Prof. A.Krishnaiah	06	11
Prof. P.Usha Sri	08	
Prof. P.Ramesh Babu	05	02
Prof . M. ChandraSekhar Reddy	01	01
Mr. V Nageswara Rao	01	01
Mr. V. Uma Maheshwar	02	02
Dr. K. Saraswathamma	06	02
Dr. L Siva Rama Krishna	05	04
Dr. G Narendar	02	01
Dr. B. Hadya	01	01
Mr. E. Madhusudan Raju	01	04
Mrs. T. Nagaveni	03	01
Ms. TSRV Padmalatha	05	
Mr. U Ashok kumar	02	02
Dr. K. Buschaiah	02	03
TOTAL	55	40

Prof. P. Usha Sri:

1. K. HemaLatha. P. Usha Sri, N. Seetharamaiah, "Design and Manufacturing Aspects of Magneto-rheological Fluid (MRF) Clutch" Elsevier, Materials today: Proceedings 4 (2017) 1525–1534, 5th International Conference of Materials Processing and Characterization (ICMPC 2016).
2. K. HemaLatha. P. Usha Sri, N. Seetharamaiah, "Magneto Static Analysis of Magneto Rheological Fluid Clutch"IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 13, Issue 3 Ver. V (May- Jun. 2016), PP 35-42
3. HariVenkateswara Rao, P. Usha Sri, R. Ramanarayanan "Experimental Study on Pan Based Composites with Multi Filler Material",

International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE) Vol 1, Issue 4, August 2016.

4. HariVenkateswara Rao, P. Usha Sri, R. Ramanarayanan “Investigation Study on Silica Filler Pan Based Composite Laminates”, International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE) Vol 1, Issue 4, August 2016
5. HariVenkateswara Rao, P. Usha Sri, R. Ramanarayanan “Transition Temperature Behaviour in Pan Based Composite Materials with and without SiC Filler” International Journal of Mechanical and Industrial Technology ISSN 2348-7593 (Online) Vol. 3, Issue 2, pp: (1-6), October 2015 - March 2016
6. D.Srikanth, Maddali V S Murali Krishna, P. UshaSri, M. Ravi Chandra"Experimental investigations on performance parameters and combustion characteristics of low heat rejection diesel engine with preheated cottonseed biodiesel with varied injection pressure", International Journal of Mechanical Engineering and Technology (IJMET) Volume 8, Issue 5, May 2017, pp. 694–710.
7. Srikanth, M.V.S. Muralikrishna& P. UshaSri,"influence of injection timing on performance parameters and combustion characteristics of high grade semi adiabatic diesel engine with cotton seed biodiesel ", international journal of automobile engineering research and development (ijauerd) issn(p): 2277-4785; issn(e): 2278-9413 vol. 6, issue 2, apr 2016, 1-14
8. Ch.IndiraPriyadarsini, T.M.BINDU, M V S Murali Krishna, Dr.P.UshaSri"Thermal Analysis of Piston Crown Coated with Copper", IJAR, Volume - 7 | Issue - 6 | June - 2017 | ISSN - 2249-555X | IF : 4.894 | IC Value : 79.96

Prof. P. Laxminarayana

1. “Influence of Process Parameters on Hardness and Microstructure of Pre-Heat Treated Friction Welded 15cdv6 Alloy Steel”, International Journal of Mechanical And Production Engineering, ISSN: 2320-2092, Volume- 4, Issue-11, Nov.-2016.
2. “Influence ff 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, Volume 14, Issue 4 Ver. I (Jul. – Aug. 2017), PP 28-35.
3. U Ashok kumar,Prof.P.Laxminarayana“Study of surface morphology on micro machined surfaces of AISI 316 by Die Sinker EDM” Elsevier materials today Volume 4, Issue 2, Part A, Pages 1285–1292,2017.



4. 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 (Accepted), 2017

Prof. A. Krishnaiah:

1. Ravi, P.S., **Arakanti Krishnaiah**, Dr. Azizuddin, Md., Design and Experimentation of Roll Bond Evaporator for Room Air Conditioner with R 22 as Refrigerant" International Journal of Engineering, Islamic Republic of Iran on 11th February 2017, Manuscript ID: OMS-16-1043. **Accepted**
2. Viqar M. Mohammed, **Krishnaiah Arkanti**, and Ferhathullah H. Syed, Optimization of Sand Mould Type and Melting Parameters to Reduce Porosity in Al-Si Alloy Castings; 'Leonardo Electronic Journal of Practices and Technologies', Issue 28, pp. 93-106, Jan-Jun. **2016**.
3. Mohammed Viqar Mohiuddin, Syed Ferhathullah Hussainy, **Arkanti Krishnaiah** and P. Laxminarayana, Experimental Investigation to Produce Thin-Walled Sand Casting Using Combination of Casting Simulation and Additive Manufacturing Techniques, 'International Journal of Advanced Manufacturing Technology', Springer, DOI: 10.1007/s00170-016-9659-6, October **2016**.
4. G. Narendar, A.V.S.S Kumara Swami Gupta and **A. Krishnaiah**, Experimental investigation on Transient State Performance of Natural Circulation Loop. Int. Journal of Engineering Research & Technology, 2016. 5(6): p.15-18.
5. G. Narendar, A.V.S.S Kumara Swami Gupta and **A. Krishnaiah**, Investigation on Natural Circulation Loop with Nanofluid. Int. Journal of Engineering Research and Application, 2016. 6(3): p.53- 58.
6. Thimmaraju, P., Arkanti, K., Reddy, G. C., & K.B.G. Tilak (2017). Comparison of Microstructure and mechanical properties of friction stir welding of Al 6082 aluminum alloy with different tool profiles. Materials Today: Proceedings, 3(10), 4173–4181.

Prof. P. Ramesh Babu

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Mr. V. Uma Maheshwar

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2. Journal Paper titled "Experimental Investigation of Downstream Flow Field in a Linear Turbine Cascade: Effects of Relative Wall Motion" in International Journal Of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST), Volume 2, Special Issue 22 - April 2017, pp.37-49.

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Dr. B. Hadya

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3. V VRamanamurthy, L. Siva Rama Krishna, “Design of High Pressure Radome with Uwb Frequency Coverage For Submarine Communications” International Journal of Mechanical Engineering and Technology (IJMET), Volume 7, Issue 4, July–Aug 2016, pp.96–113. ISSN Print: 0976-6340 and ISSN Online: 0976-6359..
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Dr. G. Narendar

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Mr E Madhusudan Raju

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Mrs. T. Nagaveni

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Ms TSRV Padmalatha

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4. K Saraswathamma, TSRV Padmalatha “Model for the prediction of surface finish in Ball End Magnetorheological finishing process”, International Journal of Engineering and Technology, Vol 9 No 3 Jun-Jul 2017 ,
5. B. Laxmi, T.Nagaveni, TSRV Padmalatha, K.Saraswathamma, “Influence of tool geometry and process parameters on performance



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Dr. K. Buschaiah

1. “Optimization of Machining Parameter for EDM using Taguchi Method on Incoloy-800”, International Journal of Research in Engineering and Applied Sciences, ISSN: 2349-6525, Vol. 6, Issue 11, pp 119-133, November 2016.
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14. FUTURE PLANS

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

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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



Winning team of Inter Dept Cricket tour. 2017



TEAM DIRT RIDER for SAE BAJA 2016



Workshop on Advanced Welding techniques

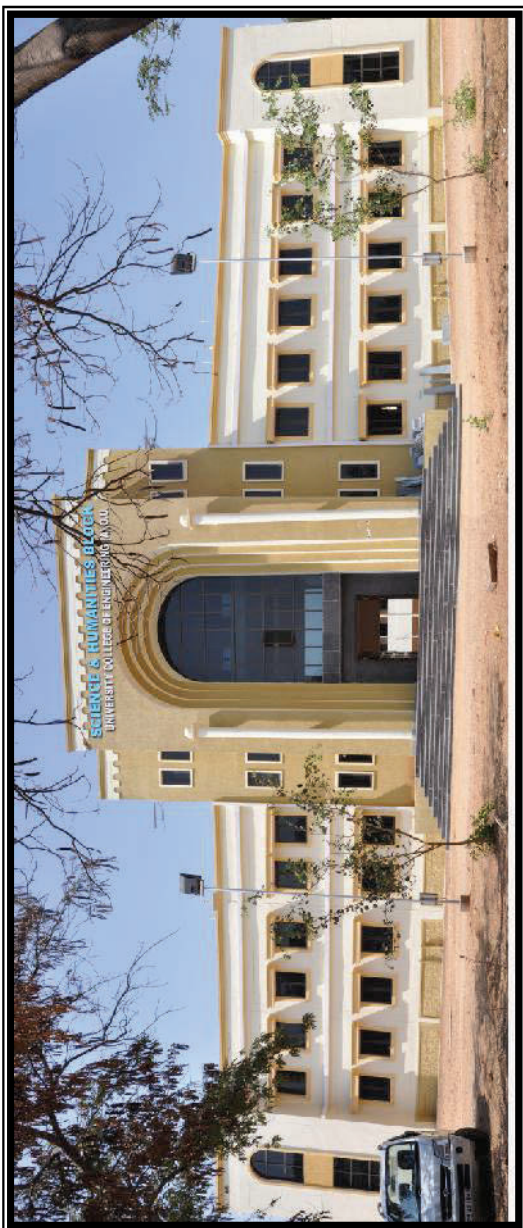


ICAMM-2016



ICAMM-2016

Humanities & Science Building





Dr. V. Kiran
Head, Department of Mathematics



Dr. N. Narsimlu
Head, Department of Physics



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



Sri. C. Venkata Subba Rao
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 Details		Areas of Teaching and Research	
		Physical Chemistry, Solid State Electrochemistry and Corrosion Science	
Prof. A.Panasa Reddy, M.Sc., Ph.D. Head			
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 35 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. Three 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. V. Kiran Head	Dr. V. Naga Raju	Dr. Y. Rameshwar	Dr. B. Bala Swamy
Assistant Professors (Contract)			
			
Dr. P. Thirupathi	Mr. Rama Lingaiah Kadari		

FACULTY	RESEARCH SPECIALIZATION
Assistant Professor and Head	
Dr. V. Kiran M.Sc., M.Phil., Ph.D.	Real Analysis, Harmonic Analysis
Assistant Professors	
Dr. V. Naga Raju M.Sc., Ph.D.	Real Analysis
Dr. Y. Rameshwar M.Sc., M.Phil., Ph.D.	Hydrodynamics and Hydromagnetic Stability, Ferrohydrodynamics Convection, Nonlinear Dynamical Systems, Perturbation Methods
Dr. B. Bala Swamy M.Sc, Ph.D.	Fluid Dynamics

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:

1. “Applications of Numerical Methods in Science and Engineering” by Departments of Mechanical Engineering and Mathematics, 21-23, Oct., 2016, sponsored by TEQIP-II, UCE,OU.

Conferences/Training Programs Attended:

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



2. Chaired a session in “ National Conference on Applied Nonlinear Dynamics” , 21-22, Dec., 2016 at National Institute of technology, Warangal.
3. “ Hydrodynamic Stability and Dynamo Theory”, 9-20, Dec., 2016, at National Institute of Technology, Warangal organized by MHRD INDIA.

Foreign Visits:

Visiting Guest, Faculty of Mathematics, Physics and Informatics, comenius University, Bratislava, Slovakia, 15th May-14 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.

Anuradha,

Topic: Convection in a binary ferrofluid.

M.A. Rawoof Sayeed, Topic: Mean flow effect in Rayleigh-Bernard and the rmohaline convection.

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

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.

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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



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.



Inaugural Session of a two day National Seminar on
“Uses of Scientific & Technical Terminology in Hindi – Telugu in Science”
sponsored by *Commission for Scientific and Technical Terminology*, MHRD, Govt. of India.



Participants and Resource persons of a two day National Seminar on
“Uses of Scientific & Technical Terminology in Hindi – Telugu in Science”
sponsored by *Commission for Scientific and Technical Terminology*, MHRD, Govt. of India.



Valedictory session of a two day National Seminar on
“Uses of Scientific & Technical Terminology in Hindi – Telugu in Science”
sponsored by *Commission for Scientific and Technical Terminology*, MHRD, Govt. of India.

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 programs.

Faculty of the Department

Associate Professor	Assistant Professor
	
Dr. J. Savithri	Sri. C. Venkata Subba Rao

FACULTY	RESEARCH SPECIALIZATION
Sri. C. Venkata Subba Rao Head & Assistant Professor (Ph.D), M.A., PGCTE, PGDTE (EFL)	English Language Teaching (ELT) Communication Skills, Soft Skills Training.
Dr. J. Savithri Associate Professor M.Sc (Psychology), MA (English), PhD, PGDELT	English Language Teaching (ELT)



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

Achievements

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

Publications:

- Sri. C. Venkata Subba Rao contributed a lesson which is included in “Skills in English” for the O.U. Degree students

ARTICLES PUBLISHED

- Dr. J. Savithri published an article titled ‘The need for Culture Specific Syllabus for Professional Learners of English: Teachers’ Perspective’ published in International Journal of English Language, Literature and Translation Studies (IJELR), Vol. 3, Issue 3, 2016 (July-Sept). ISSN No.: 2349-045
- Dr. J. Savithri published an article titled ‘Teachers’ Perception on Integration of ICT in the teaching and Learning of English in Zilla Parishad Secondary Schools’ published in the Journal of English Language and Literature, Vol. 3, Issue 2, October 2016. ISSN No.: 2349-2295
- Dr. J. Savithri published an article titled ‘ The Effect of Culture - Specific Syllabus on English Language Learners in Engineering Colleges’ published in language in India, Vol. 16:1 January 2016, ISSN 1930-2940
- Dr. J. Savithri published an article titled ‘An Investigation into the use of Memory Strategies in Learning Vocabulary’ in the journal published by the Department of English, Osmania University under SAP DRS - I 2014

BOOKS PUBLISHED

- Dr. J. Savithri published 20 books in total with various multinational publishers
- OUCDE M.A (English) instruction material for Paper 1 (MACP) and Paper 1 (MACF) published by the Centre for Distance Education, OU in 2015 and 2016 respectively

Conferences/Workshops/Seminars/Guest Lectures Organized

- Every year, the Department of English conducts “Freestyle,” a one day event which is instrumental in perfecting the seminar and presentation skills of the I/IV B.E students. It is funded by CELT, UCE, OU

Papers Presented / Courses Attended

- Sri. C. Venkata Subba Rao attended a Refresher Course in English at Academic Staff College, OU from 09-03-2016 to 31.03.2016.
- Dr. J. Savithri Presented a paper in the ELT@I – 4th Annual International Conference on ‘Teaching English Language and Literature: Innovative Methods and Practices’.



- Dr. J. Savithri presented a paper titled 'A Study on the Problems of English Language Teaching in Government Secondary Schools' in the ELT@I national conference held at S.V.University, Tirupati on 26th April 2014.
- Dr. J. Savithri presented a paper titled 'A Study on the Perceptual Mismatches proposed by Kumaravadivelu in Postmethod Pedagogy' at the international conference held at SRM University, Chennai, during 18th to 20th July, 2013.
- Dr. J. Savithri presented a paper titled 'Innovative Methods in the Teaching of Writing Skills to the Secondary School Learners of English' in the national conference held at BITS Pilani, Hyderabad campus during October 18th to 19th, 2013.

Award and Submission of PhD thesis:

1. Ms. G. Haritha (Supervisor: Dr. J. Savithri) 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 (Supervisor: Dr. J. Savithri) submitted her doctoral thesis in June 2017 on the topic 'Designing a Culture Specific English Syllabus for Engineering Students in Telangana State'.

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CENTRE FOR ENGLISH LANGUAGE TRAINING (CELT)**Hyderabad - 500 007, Tel: 040- 64 575 575 / 2768 2354,****Mobile: 965 285 6107. www.osmania.ac.in/celt****www.celt-ou.com****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 334 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 conducted for the foreign students who aspire to join in different courses in Osmania University and its affiliated colleges. This course bridges the gap between the language skills possessed by the students and the skills that are required for effective day-to-day communication. It aims at improving communicative English of the foreign students.

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 the 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. G.L.K. Durga, Ph.D

Dr. Lakshmi Mantha, M.A., Ph.D

Ms. P. Suma Bindu, M.A. English

Dr. Mrudula Lakkaraju, M.A., Ph.D

Ms. G.B. Kadambari Devi, M.A. (English)

Ms. Karuna Laishram, MA(English), MPhil.

Mr. Arul Nehru MA (PhD)

Facilitators

				
Dr. J. Savithri	Dr. G.L.K. Durga	Dr. Lakshmi Mantha	Ms. P. Suma Bindu	Dr. Mrudula Lakkaraju
				
Ms. G.B. Kadambari Devi	Ms. Karuna Laishram	Mr. Arul Nehru	Dr. B. Brahmananda Chary	

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
Mr. M. Nagaraju	– Renowned Communication Skills and Soft Skills trainer
Dr. B. Brahmananda Chary	– Renowned Communication Skills and Soft Skills trainer



Foreign student receiving certificate from Prof. Sameen Fatima, Principal, UCE



Group photo of foreign students after completion of CCEFS course



Group Photo of school students after completion of summer camp

DEPARTMENT OF PHYSICAL EDUCATION



Cricket Team, UCE, OU.



Annual Sports Day Organizers, 2016-2017

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 Tennis, 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, Tennis 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.



PLACEMENT AND TRAINING OFFICE, OUCE
Provides Careers for Graduating Students....not just jobs

(www.oucecareers.org) Email id: ouce_placement@yahoo.com

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.

Placement and Training Office is presided over by a Senior Faculty of the college with industrial experience. V Uma Maheshwar, Associate Professor of Mechanical Engineering with five years of Corporate R&D Industrial exposure and Seventeen Years of Academic expertise is presently heading the Placement and Training Office. The Placement Officer maintains liaison with various industries / Organizations and the institutions. These organizations are invited to the institution for Campus Recruitment Programme (CRP) 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, Urmair 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, 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 year 2010-11, the placements have touched a historic maximum figure of 728 job offers received by the College Students.

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 Placement Coordinators from final year which is an elite student group in the College which organizes many events for the College students apart from coordinating campus recruitment programmes.

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).



For Batch of 2017, the Campus Hiring touched 400 by July 2017. Accenture & Infosys 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 06-09, 2016. The job offers made by companies during PCRD are as follows: Accenture = 213 & Infosys = 62. Accenture Offer of 213 is the Maximum Number of Offers by any Single Company at the College. Wipro Limited used to offer IT Services Job profile as a part of PCRD in the past. But for 2017 batch, Wipro Limited has offered Higher Job Profile called as Turbo Hiring with increased pay package and made 33 offers for 2017 batch students. The maximum pay offered was Rs 15 Lakhs/Annum by Salesforce and the average pay package for the batch of 2017 is 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 March 17 – 26, 2017 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. A Certificate Course in English for Placements is conducted in collaboration with Center for English Language Training, OUCE for Pre-final Year Students of BE (All Branches) of OUCE during Jan 2017 to March 2017 under TEQIP Phase II with an objective to sharpen communication skills and prepare them for the forthcoming Placement Season.

The placement season has begun for 2018 in July 2017 with JP Morgan Company selecting Seven BE CSE Students for a pay package of Rs 6.5 Lakhs/Annum. Thomson Reuters Company has selected 16 M.Tech CSE students for Project Internships from 2018 batch.

Ample opportunities are provided to the students on placements front. It is the responsibility of the students to prepare themselves to meet the requirements of the recruiting companies and make good use of the offers coming their way at the doorstep of the College.

Placement & Training Officer: 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 2016-2017, 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	Mech		MCA	ME BME	ME Civil	ME ECE	ME EEE	ME Mech	M.Tech CSE		
1	Shoretel	July 15 2016	-	-	-	-	-	-	0	-	-	-	-	-	-	2	2	2
2	Oracle India (CRP)	July 22, 26 & 28 2016	-	-	3	0	0	-	3	-	-	-	-	-	-		0	3
3	JP Morgan	July 23 2016	-	-	3	-	-	-	3								0	3
4	AMD	August 18 2017	-	-	-	-	-	-	0	-	-	-	2	-	-	4	6	6
5	GE Digital (ISP)	August 17 2016	-	-	-	-	-	-	0	-	-	-	-	-	-	7	7	7
6	ITC (ABD)	August 19, 20 & 27 2016	-	-	-	-	0	2	2	-	-	-	-	-	-	-	0	2
7	ION	Aug. 30 2016	-	-	1	-	-	-	1								0	1
8	Accenture	PCRD 2017	15	26	37	41	31	32	182	3	-	-	-	-	-	-	3	185
9	Infosys Limited	Sept 6-9 2016	2	6	13	13	12	4	50	0	0	0	3	1	1	0	5	55
10	NCR	Sept 16 2016	-	-	5	10	-	-	15	-	-	-	-	-	-	-	0	15
11	Deloitte	Sept 16 & 19 2016	-	-	-	-	-	-	0	1	-	-	-	-	-	-	1	1
12	Wipro - Turbo Hiring	Sept 19 & 20 2016	-	-	11	7	5	-	23	-	-	-	-	-	-	-	0	23



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	ME BME	ME Civil	ME ECE	ME EEE	ME Mech	M.Tech CSE		
13	CA Technologies	Sept 22, 2016 & Oct 3, 2016	-	-	5	-	-	-	5	-	-	-	-	-	-	1	1	6
14	Progress Software	Sept 22, 2016	-	-	-	-	-	-	0	-	-	-	-	-	-	0	0	0
15	Tech Mahindra	Sept 28, 2016	-	-	1	0	3	3	7	-	-	-	-	-	-	-	0	7
16	Capgemini	Sept 29, 2016	-	-	1	0	0	-	1	0	-	-	-	-	-	-	0	1
17	Thomson Reuters	Oct 4, 2016	-	-	-	-	-	-	0	-	-	-	5	-	-	6	11	11
18	UURMI	Oct 5 & 6, 2016	-	-	1	2	-	-	3	-	-	-	1	-	-	1	2	5
19	L & T (Construction)	Oct 17 & 18, 2016	-	6	-	0	8	6	20	-	-	0	-	0	0	-	0	20
20	Zoho Corporation	Oct 19 & 20, 2016	0	0	2	0	0	0	2	-	-	-	-	-	-	-	0	2
21	Maruti Suzuki India	Oct 21, 2016	-	-	-	-	-	4	4	-	-	-	-	-	1	-	1	5
22	Shoretel	Oct 25 2016	-	-	4	1	-	-	5	-	-	-	-	-	-	-	0	5
23	Tata Projects Ltd	Oct 28 2016 Nov 18 2016	-	4	-	-	1	1	6	-	-	-	-	-	-	-	0	6
24	CK Birla	Nov 3 2016	-	-	-	-	-	3	3	-	-	-	-	-	-	-	0	3
25	Sales Force	Dec 8 2016	-	-	1	-	-	-	1	-	-	-	-	-	-	-	0	1
26	Service Now	Dec 9 2016	-	-	2	-	-	-	2	-	-	-	-	-	-	-	0	2
27	Medha Servo Drives	Dec 14 2016	-	-	-	0	0	0	0	-	-	-	-	-	-	-	0	0
28	Atlas Corp	Dec 28 2017	-	-	-	-	-	0	0	-	-	-	-	-	-	-	0	0
			BE/UG							ME/PG								Overall



S No	Company	CRP Dates	BME	CIVIL	CSE	ECE	EEE	Mech	Total Offers for UG	MCA	ME BME	ME Civil	ME ECE	ME EEE	ME Mech	M.Tech CSE	Total Offers for PG	UG+PG Total Offers
29	ITC (PaperBoard)	Dec 29 & 30 2016	-	-	-	-	2	2	4	-	-	-	-	-	-	-	0	4
30	Cyient	Jan 5 2017	-	-	-	-	-	2	2	-	-	-	-	-	4	2	6	8
31	Hexagon India	Jan 20 2017	-	-	2	-	-	-	2	-	-	-	-	-	-	-	0	2
32	Oracle Application	Jan 27 & 30 2017	-	-	1	0	0	-	1	-	-	-	0	0	-	0	0	1
33	Satyam Ventures	Feb 16 2017	-	-	-	-	-	2	2	-	-	-	-	-	0	-	0	2
34	Arcserve	Feb 21 2017	-	-	0	1	-	-	1	-	-	-	-	-	-	-	0	1
35	Aurobindo Pharma	March 16 2017	-	-	-	-	-	4	4	-	-	-	-	-	-	-	0	4
36	Mars International	March 31 2017	-	-	-	-	-	1	1	0	0	0	0	0	0	0	0	1
37	Raam Group	April 3 2017	-	-	-	-	-	1	1	-	-	-	-	-	-	-	0	1
38	Caviium Networks	April 13 2017	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1
39	Netcracker	June 12 2017	-	-	1	0	0	-	1	-	-	-	-	-	-	-	0	1
40	Schneider Electric	June 19 2017	-	-	-	-	-	0	0	-	-	-	-	-	-	-	0	0
41	K & S Partners	June 21 2017	-	-	1	-	-	0	1	-	-	-	-	-	-	-	0	1
42	Balco	July 8 2017	-	-	-	-	7	-	7	-	-	-	-	-	-	-	0	7
	GRAND TOTAL		17	42	96	75	62	67	359	4	0	0	11	1	6	23	45	411



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 programs which demonstrate our commitment to excellence and continuous quality improvement.

Director:

Prof. P. V. N. Prasad,
EED, UCE, O.U

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)	85574
SC/ST	8284
GIFT	4956
TEQIP	2186
Total Books	101000
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. G. Yesuratnam, EED, 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. P. Raja Sekhar (PG)
2. Dr. P. Srinivas (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	15
		Transportation Engg.	3 Years	2010	15
2	Computer	CSE	3 Years	1991	25
	Science & Engineering	PDS	3 Years	1991	30



3	Electronics & Communication Engineering	Digital Systems	3 Years	1975	15
		SSP	3 Years	1975	15
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. S. Sameen Fatima, Principal, UCE, OU
Director

Sri K. Yudhveer Goud,
Rtd. Deputy Registrar

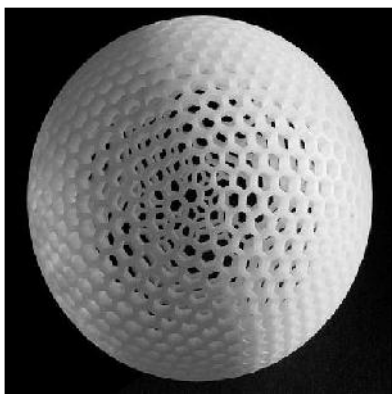
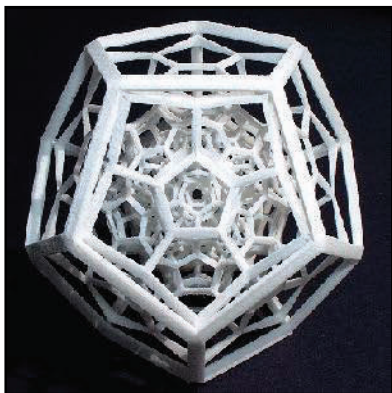
Centre for Continuing Engineering Education Programmes (CEEP)
University College of Engineering,
Osmania University, Hyderabad – 500 007
Phone No: 040-27071759

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, MTISI



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.
4. 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.

1. PEPSI mixing assembly units built for Mahindra Satyam were exhibited to PEPSI Company at USA
2. Prototypes developed for sports personnel were demonstrated at in USA, UK, Australia and Brazil.
3. 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 : 05
M.E: 03

PAPERS PUBLISHED

1. Performance Evaluation of Various STL File Mesh Refining Algorithms Applied for FDM- RP Process” published by Springer in the Journal of The Institution of Engineers (India): Series C- Mechanical, Production, Aerospace and Marine Engineering, ISSN 2250-0545, DOI 10.1007/s40032-016-0303-4, June 2016.

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 Systems.
- To strengthen Institute – Industry interaction on mutual basis.

Infrastructure

The Centre has established state of the art laboratories with following software and Hardware equipment facilities

Software

- Agilent 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. Rohde & Schwarz FSH8 Spectrum Analyzer (9KHz-8GHz)

Research & Training:

- The Centre recently received a 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.



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 Institute (Bio-Medical Engineering, Civil Engineering, Computer Science & Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, and 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 is 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 and 2017
- **FreeStyle** : 2015, 2016 and 2017

Advisory Committee

Dr.S.Sameen Fatima	Principal& Professor UCE, OU	Chairman
Dr.Narsimhulu Sanke	Associate Professor, MED	Director
Dr.P.V.N.Prasad	Professor, EED	Member
Dr.S.Ramachandram	Professor, CSE	Member
Mr.V.Nageswara Rao	Associate Professor, MED	Member
Dr.P.Chandrasekhar	Professor, ECE	Member



Dr.B.Mangu	Professor, EED	Member
Dr.B.Rajendra Naik	Associate 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– 2017 (March 25, 2017)

It comprises a spectrum of areas encompassing the latest developments in both technical and non-technical arena. Quizzotic V7.0 was enormous success with over two thousand five hundred teams were participated and organized by Erudite, University College of Engineering, Osmania University, Hyderabad-500007.



Quizzotic v 7.0



Volunteers and Participants of Quizzotic v 7.0



Quizzotic v 7.0 organizers are receiving a memento from Prof.S.Sammen Fatima, the Principal, University College of Engineering, Osmania University, Hyderabad



Quizzotic organizers with **Dr.Narsimhulu Sanke**, Student Advisor, **Prof.S.Sameen Fatima**, Principal, **Prof.A.Krishnaiah**, Vice-Principal.

FREESTYLE 2017 took its grand opening on April 15, 2017 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 15 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.



Freestyle 2k17 Organizers With **Dr.Narsimhulu Sanke**, Student Advisor,
Dr.B.Rajendra Naik, HEAD,ECE



Freestyle 2k17 participants during valedictory function on 15-04-2017 at
ECE Auditorium



Freestyle 2k17 Participants

Freestyle 2k17 Winners





Freestyle 2k17 Winners



Freestyle 2k17 Winners



Freestyle 2k17 Participants



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 Programs 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 programs. 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” programs 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.

Director : Dr.M. Chandra Sekhar Reddy, EDC,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 Programmers 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.

Phone: 040-27072201, Fax: 040-27072201



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	Speech Signal Processing, GNSS Signal Processing, Signal Processing for Development Navigation Systems, Real Time Processing with Digital Signal Processors.

SPONSORED and CONSULTANCY PROJECTS (2011-2017)

S.No	Title of the Project	Name of the Investigator	Name of the Sponsoring Agency
1	Automatic Speech Recognition (ASR) over VOIP and Wireless Networks	P.Laxminarayana Amount in Lakhs : 11.33 2012-2015	UGC, New Delhi
2	Improved Linear Kalman Filter for GPS Navigation and Restoration of MBI	K.Deergha Rao Amount in Lakhs : 3.77 2014-2015	DRDO, RCI, Hyderabad
3	Optimization of AMR-WB Codec	P.Laxminarayana Amount in Lakhs : 6.20 201-2015	Lantiq Communications India Pvt. Ltd. Bangalore
4	Coherent Radio Beacon Experiment(CRABEX) Preliminary Phase-II	A.D.Sarma Amount in Lakhs : 19.66 2004-2013	ISRO, VSSC, Trivandrum



S.No	Title of the Project	Name of the Investigator	Name of the Sponsoring Agency
5	Funds for Improvement of S&T Infrastructure (FIST) a program to augment the post graduate teaching and research facilities	A.D.Sarma Amount in Lakhs : 50.00 2007-2013	DST, New Delhi
6	Kalman Filter based GPS Navigation	K.Deergha Rao Amount in Lakhs : 9.52 2009-2013	DRDO, RCI, Hyderabad
7	Investigation of Statistical Behavior of Ionosphere over the Indian region using GNSS data for GPS Application	A.D.Sarma Amount in Lakhs : 8.80 2010-2013	ISRO, Bangalore
8	Investigation of Atmospheric Effects on Future Ground Based Augmentation for GPS Systems	A.D.Sarma Amount in Lakhs : 31.60 2011-2013	DST, New Delhi
9	Preliminary Modeling of Pseudolite Based Tracking System Errors and Optimization of its Configuration	A.D.Sarma Amount in Lakhs : 8.88 2010-2012	DRDO, ITR, Chandipur

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	2011-2017
1.	No. of Projects Completed	15	38	09
2.	Amount of the Projects Completed Rs. In Lakhs	260.54	191.56	149.76
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	17

	Task	1982-1992	1993-2010	2011-2017
7.	No. of Short Courses/Workshops/Seminars Organised	13	33	15
8.	No. of PhDs Awarded	03	18	13
9.	No. of M.E./M.Tech. projects Guided	12	63	47
10.	No. of Invited Lectures by NERTU staff	-	73	20

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.







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 programs.

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. S.Sameen Fatima	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
Mr. M.Rama Krishna Reddy	rkreddymaram@osmania.ac.in
Mr. Mohamad Ali	ali@uceou.edu
Mr. Satish	

Address for Correspondence:

Dr. P. Ramesh Babu

Director, Central Computing Center

e-mail: ccc.director@uceou.edu

Phone no: 65170010, 27682264.

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



CET visit and Training Program



CET visit



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

Specialization/Research

Director

Dr.Narsimhulu Sanke, Ph.D
Associate Professor of Mech.Engg.

Biomass Energy, New and Renewable Energy
Sources, Turbomachinery,
Software Programming Development

Honorary Advisor

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

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

Senior Advisers

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

Wind Energy, Solar Energy Technologies

K.Basu
(Former AGM R&D, BHEL)

Clean Coal Technologies, Biomass

Faculty Associated

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

Heat Transfer, Thermal Engineering

V.UmaMaheswar, M.E.
Associate Professor of Mech.Engg.

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 Submitted)
+ 4 (Registered)
- Number of M.E dissertations : 48(Completed) + 4 (on-going)
- Number of B.E Projects : 17 (Completed)

Sponsored Projects: 8 (Completed)

M.E / M.Tech Projects (Dissertations) Completed for the Year 2016-2017

1. **Modeling and Simulation of low wind speed vertical axis wind turbine** - Pasula Rukmini. 1005-14-745320, 2016
2. **Enhancing the efficiency of evacuated solar collector tube by using parabolic concentrators** - Ayesha Imroze 1005-14- 745315, 2016

Publications in Journals/Conferences

1. NarsimhuluSanke, Mohammed MohsinShkair, “*Heat Transfer Analysis of a Riser Tube in a Flat Plate Collector with Fins*” International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR), ISSN 2348-4845, Volume No:2, Issue No:7 (July 2015), pp 163-167.
2. NarsimhuluSanke, Ali SalhSawadi, “*CFD Analysis of Winglets for Horizontal Axis Wind Turbine*”, International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR), ISSN 2348-4845, Volume No:2, Issue No:7 (July 2015), pp 174-179.
3. Vigneshwar N, NarsimhuluSanke, “*Efficiency Estimation of the Turbocharger Compressor Wheel*”, International Journal of Scientific & Engineering Research (IJSER), ISSN 2229-5518, Volume 6, Issue 8 (August-2015), pp 195-198.

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



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 2015-2016)

1. Sri K. Ramaswamy Gold Medal : To be awarded every year to the 1st Rank student of B.E. (Civil Engineering).
Ms. Sanikommu Sowjanya [100512732049]
2. 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. Sanikommu Sowjanya [100512732049]
3. 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. Donthula Sindhuja [100512734046]
4. Sri Neravetla Damodar Reddy Gold Medal: To be awarded every year to the 1st Rank student of B.E. (Electrical & Electronics Engineering).
Ms. Donthula Sindhuja [100512734046]
5. Sri. Panthulu Pandari Gold Medal: To be awarded to topper among 10 students B.E. (E.E.E.) whose parental income is least.
Mr. M Sai Sandeep Kumar [100512734037]
6. Elico D V S Raju Gold Medal : To be awarded every year to the 1st Rank student of B.E. (Electronics & Communication Engineering).
Ms. Jammi Sanjana [100512735032]
7. Biomedical Instrumentation Centre Gold Medal : To be awarded every year to the 1st Rank student of B.E. (Bio Medical Engineering).
Ms. K L Kaivalya [100512731007]
8. Prof. Abid Ali Gold Medal : To be awarded every year to the 1st Rank student of B.E. (Mechanical Engineering).
Mr. V Satya Prakash [100512736044]
7. Late Sri S. Parvath Reddy (Tahsildar, Retd.) Gold Medal: To be awarded every year to the Top Ranking Girl Student in B.E. (Mechanical Engineering).
Ms. Dhanavelan Swathi [100512736055]
8. OUCE, CSE Alumni Gold Medal: To be awarded every year to the 1st Rank student of B.E. (Computer Science & Engineering).
Ms. Voladri Meghana Reddy [100512733021]

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 readressal 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.



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



ALUMNI ASSOCIATION

Email: www.uceouaa@gmail.com

Ph. No: 040-27096613

Welcome to all the Freshman's !!!

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. It was the 6th Engineering College to be established in the whole of British India.

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 programs 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 of University College of Engineering, OU

The Alumni Association of University College of Engineering, OU with more than 9000 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 Activities undertaken by the Association for the Benefit of the Students are:

- Global Alumni Meet (GAM)
- Strategic Planning SWOT and TNA
- Students Scholarships and Research Funding
- Official Alumni Portal
- Technology Business Incubator
- Career Guidance and Support
- Official E Mail ID Rollout
- Innovation and Patenting
- Industry Interaction
- Speaker Series and Workshops
- Student Club Launch
- Launch of Chapters
- Alumni Reunions and Social Events
-

For further details please contact

Mr. R. V. Rammohan Rao, President

Dr. D. Vijay Kumar, General Secretary

Alumni Association University College of Engineering, Osmania University
Hyderabad – 500007

E-Mail: gensec@oucealumni.org

Website: <http://www.oucealumni.org>

Phone: +91 40 27096613

Mobile: +91 9490946673



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. S.Sameen Fatima	Principal	9848519860
2	Prof. A. Krishnaiah	Vice Principal	9440834065
3	Dr. B. Rajendra Naik	Addl. Chief Warden	9441222226
4	Dr. K. Saraswathamma	Asst. Chief Warden Girls Hostel & Mess	9032714222
5	Mr. D. Rajasekhar Reddy	Kinnera Hostel Warden	9493190672
6	Dr. B. Hadya	Kinnera Hostel Mess Warden	9440349195
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/ 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@antiragging.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

