



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
COLLEGE OF ENGINEERING HYDERABAD
(AUTONOMOUS)

Kukatpally, Hyderabad – 500 085, Telangana State, India



College Annual Report 2018

Dignitaries on the dais, Prof. A. Venugopal Reddy garu Honorable Vice-Chancellor, JNTU Hyderabad and Chief Guest of today's function , Prof N. Yadhiah, Registrar of the University and Guest of Honour, Dr. G.N. Srinivas Vice-Principal of the college, dignitaries off the dais, Heads of Departments, faculty members, non-teaching staff, invitees, my dear students, press and electronic media ladies and gentlemen, good morning. I once again welcome you all to the annual day function of the college.

I take the pleasure of presenting the annual report of the college. During the last one year, since the last annual day the following achievements and developments were made by the college.

Academic Achievements:

This year UGC team for Autonomy has visited the college on 11-10-2018 and extended the UGC autonomy to this college up to 2022-23.

All the courses, except new Courses offered by Metallurgy and Chemical Engg., are accredited at least once. As and when the expiry of the period approaches we are applying re-accreditation. Presently we have applied for re-accreditation of 4 M.Tech courses and 4 B.Tech courses in (Civil Engg, EEE, CSE and Metallurgical Engg)

The college has revised course structure and syllabi of B.Tech. and M.Tech courses according to the revised AICTE Model Curriculum.

The Faculty members besides their regular teaching are very active in conducting research, organizing and attending conferences and seminars. During the last one year the faculty members have published as many as 110 research

papers in National and international Journals and Conferences, 76 research papers have been published in national and international conferences and seminars and authored 7 Books. Faculty members have attended 43 National and international conferences and seminars and organised 36 Conferences and seminars and 28 refreshers courses. During the last one year faculty members have guided 55 Phds among which Mechanical Engineering Department is leading with 19 Phds followed by ECE Department with 13 PhDs. Besides the publications, faculty members are focusing on filing for Patents. During the last one year **1 Patent has been awarded to Dr. J. Suresh Kumar professor and head of Mechanical Engineering on *Design of a Robot for construction of a wall. This patent was awarded on 16-10-2017.***

Further, 14 Patents were filed of which 5 patents were filed by DR. K. Vijay Kumar Reddy Professor of Mechanical Engineering, 5 Patents by Dr. B. Sudheer Prem Kumar, Professor of Mechanical Engineering; **One patent was Filed by Dr. T. Satya Savithri professor of ECE on *Depth Estimation of non rigid shapes based on fibonnacci population degeneration particle swarm***

Two patents have been filed by Dr. M. Madhavi Latha professor of ECE one on *Implantable Medical Device Actuated by Piezoelectric effect. and the other on *Physiological Data Monitoring and Notification System and Method Employed thereof**

Dr. K. Anitha Sheela professor of ECE is applied Patent on *IoT Based battery health monitoring and management system using Cloud storage.*

Research Projects

Faculty members are working on 9 research projects sponsored by UGC, AICTE, DST and DRDO worth of Rs. 2.6 Crores. The faculty members working as the Investigators for these projects are

1. Dr. A Chenna Kesava Reddy, Professor of Mechanical Engineering.
2. Dr. P. Bhramara, Professor of Mechanical Engineering.
3. Dr. T. Satya Savithi, Professor of ECE
4. Dr. D. Srinivas Rao, Professor of ECE
5. Dr. V. Kamakshi Prasad Professor of CSE
6. Dr. A Goverdhan Professor of CSE
7. Dr. Supreethi Professor of CSE

Faculty awarded PhD

Ms. P. Srilakshmi associate professor in Civil Engineering was awarded Ph.D degree in the month of February'2018 for the thesis titled "*Stress Strain Behavior of Self Compacting Concrete Under Axial Compression in Confined and Unconfined States*"

Consultancy: Faculty members are very active in offering consultancy to various Govt., public and private organizations in solving their field problems, During this academic year financial turnover of the college in consultancy is Rs. 1.65 Crores.

Prestigious assignments of the Faculty:

1. Dr. T. Satya Savithri, Dr. L. Pratap Reddy, Dr. M. Madhavi Latha, Dr. D. Sreenivasa Rao, Dr. M. Asha Rani, of ECE Department have acted as Subject Expert in Recruitment boards of DRDO, ISRO, NSTL, DLRL,OU, KU
2. Dr. A. Govardhan, Professor of CSE has been appointed as a "Convener" for E-CET-2017 and E-CET-2018
3. Dr. V.Kamakshi Prasad, Professor of CSE has been appointed as a "Co-Convener" for E-CET-2017 and E-CET-2018 .

Awards Received by the Faculty:

- 1) Dr. A.Govardhan, Professor of CSE has received Dr. CINAREY (Dr.C. Narayana Reddy) Meritorious Award in the year 2017.
- 2) Dr. A. Kavitha Associate Professor in CSE has received "Outstanding Supporter" award from IEEE Computational Intelligence Society Hyderabad Section on 18th Nov, 2017.
- 3) Dr. A. Jayalaxmi, Professor of EEE Department has received Outstanding Woman Educator & Scholar Award from National Foundation for Entrepreneurship Development (NFED) in 2017.

Developmental Activities:

1. PG Block of Mechanical Engineering Department is brought into operation.
2. IoT Laboratory has been established in CSE department with Rs. 18 Laks.
3. Micro Hardness Tester Machine worth Rs. 14.63 Laks has been installed in Metallurgy Department with the financial support of TEQUIP –III
4. Further New Equipment for the Following labs were procured:
 - i) For DSP lab worth Rs. 2.2 Lakhs
 - ii) ES Lab. Worth Rs. 2.4 Lakhs
 - iii) Mentor Backend Tools worth Rs. 2.2 Lakhs
 - iv) Mobile computing and wireless Networks worth Rs. 5 Laks

New Courses Added

M.Tech. (Computer Forensic and Information Security) has been introduced.

Students Achievements:

Students are very sincere, intelligent and hard working. They bring laurel to the college with their achievements. They excelled in curricular and co curricular activities. They secure Very Good scores in GATE, GRE, CAT, GMAT, UPSC and other complete examinations.

Some of the achievements of students are presented here.

- 1) Ms. M. Lakshmi Pradeepthi student of Civil Engineering Department was awarded Gold Medal by IEI (Institute of Engineers India) for Topping the Subject in PSC (Pre-stressed Concrete)
- 2) E. Lalith Aditya, student of Mechanical Engineering has received Indira Gandhi NSS Award (President's Award) Ministry of Youth Affairs & Sports, Govt. India
- 3) V. Abhipreeri Sanjana student of ECE Department has won the Competition. iB Hubs Students Challenge, a case competition which was held on September 2017
- 4) Sai Pranav student of CSE department has won the Silver Medal in International Informatics Olympiad Organization, IIT H

- 5) Mr. NVA Chakravarthi Student of Mechanical Engineering secured a CAT score of 98.40%
- 6) 3rd Year B.Tech Students have won I prize in Paper Presentation at ATMOS'17, on 28th October 2017 organized by BITS Pilani, Hyderabad.
- 7) Blood Donation camp and Sports events were conducted under SMRUTHI -17.

Campus Placements:

During this academic year as many as 316 students have been placed through campus recruitment in various multi-national companies. Further, many students have opted for higher studies in various prestigious institutions across the globe.

Besides these, students also won number of prizes in sports and organized number student seminars and workshops. They also participate in all developmental activities of the departments.

In conclusion it was a year of satisfaction in all aspects. This year we are planning to increase our research developmental activities. Further, we are planning to increase the infrastructure facilities and to add more advanced equipment to the laboratories. With the funds of TEQIP we are planning to establish E-Class rooms for each department and to a Studio for the college for recording lectures. We are in the process of starting a number of student clubs such as Idea Club, Robotic club, Innovation club.

We are very thankful to you sir for your continuous guidance, encouragement and support for the development of the College. We strive to keep up the standards of the college High and we seek your continuing guidance and support.