# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
## (UGC - AUTONOMOUS)

## Report on
## A TWO- DAY WORKSHOP FOR TECHNICAL EDUCATORS
## 'ENTWINING TECHNOLOGY & TEACHING:
## SETTING STANDARDS'
## 23-24 March 2018



**Submitted by: Dr. Rosalia H Bonjour, Professor & HOD, Department of English and Foreign Languages**

The Department of English and Foreign Languages organized a TEQIP-II sponsored two- day workshop for technical educators on 'Entwining Technology and Teaching: Setting Standards' on 23-24 March 2018. Mr. Praneesh Kumar Yadav - Sr. Executive Research and Development: Honeywell Technology Solutions Hyderabad, Prof. Nagrajan - Pondicherry Engineering College, Dr. Appa Swami Jasti - Asst. Professor, Hyderabad Central University (HCU) Hyderabad, and Dr. Joy Anuradha – Asst. Professor, HCU Hyderabad were the resource persons of this workshop. They broadly focussed on the following sub-topics of the workshop:

- Collaborative Active Learning through Technology (CALTECH)
- Technology-Enabled Active Learning (TEAL)
- Teaching Oriented to Research and Research Oriented to Teaching
- Classroom and Information Management
- Teaching and Learning with Mobile Technology

The main objectives of the workshop were to:

- Unlock the potential of technology for teaching and learning
- Offer hands-on experience in how to manage a large class with digital technology
- Find creative and constructive ways to integrate technology into a lesson plan
- Update participants on training and research skills especially those who may not have had an opportunity to acquaint themselves with recent developments in teaching amalgamated with technology.

  40 participants (faculty and research scholars from all streams of engineering) from the following institutions registered (online and on the spot) for the workshop. The colleges are listed below.

| Sl. | Name of the Institution |
|---|---|
| 1 | Annamacharya Institute of Technology & Sciences (AITS) Rajamapet |
| 2 | Anantha Lakshmi Institute of Technology & Sciences, Ananthapur |
| 3 | RISE Krishna Sai Group of Institutions, Ongole |
| 4 | AITS, Kadapa |
| 5 | SRIT, Ananthapuramu |
| 6 | K.L. University, Vijayawada |
| 7 | PVKK Institute of Technology, Ananthapur |
| 8 | K.S.R.M. Engineering College KADAPA |
| 9 | JNTU, Ananthapur |
| 10 | S V. University, Tirupthi |
| 11 | VIT Vellore |
| 12 | Y.V.U Kadapa |
| 13 | National Institute of Technology, Tiruchirappalli |
| 14. | Vidhyaniketan Engineering College, Tirupathi |
| 15. | YSR Engineering College, Proddatur |

There were approximately 22 internal participants from the ECE department, BSH and Training department besides the faculty from the host department.

**Proceedings of the Workshop:**

**Day-I, 23 March 2018,**          10.00 - 11.15 am: Inaugural Function

 Dr. C. Yuvaraj, Principal of MITS Madanapalle, Dr.G. Hampamma – Vice Principal (Administration), Dr.  Ramanathan - Vice Principal (Academics), Dr. Rosalia H. Bonjour - HoD, English and Foreign Languages and convener of the workshop and Mr. Praneesh Kumar Yadav (Honeywell Technology Solutions) – Chief guest and keynote speaker of the workshop were invited to the dais for the inaugural ceremony. The dignitaries lighted the lamp, followed by a prayer song by the students.

The workshop started with the introductory remarks by the convener Prof. Rosalia H Bonjour. She welcomed all the resource persons and participants and detailed the objectives of the workshop.  Highlighting the need of engineering students to learn at higher rate of effectiveness and efficiency due to the rapid growth of relevant information and the escalation of knowledge and skill requirements for most jobs. She stated that the most apparent need for teachers in engineering colleges was to engage their students in continued acquisition of knowledge through technology. She appreciated all the participants for their interest in this workshop and encouraged them to interact with the experts during the sessions to enrich their awareness of teaching entwined with technology.

Dr. Yuvaraj C, Principal MITS Madanapalle, in his inaugural address explicated the importance of teaching aligned with technology. He touched upon the recent events organized at MITS and how the institution has grown from strength to strength in a short span of time. He praised the participants for attending the workshop, as well.

Dr. G. Hampamma, addressing the participants stated that MITS is committed to help the institutions in Rayalaseema in their endeavour to grow and to become autonomous. She made the participants aware of the role of technology in every part of their culture: how they live, work, play, and most importantly learn.

Dr. Ramanathan, Vice Principal (Academics) informed the participants that MITS conducts such events regularly and pledged to continue them for the benefit of institutions and faculty in Rayalaseema.

The inauguration was followed by two sessions. The resource persons for the workshop were Mr. Praneesh Kumar Yadav and Dr.  Appa Swami Jasti.

**Mr. Praneesh Kumar Yadav of Honeywell Technology Solutions** - Hyderabad, delivered an outstanding talk on recent developments in the pedagogy of engineering students. He shared his own experiences as a student and a professional and how the formative years (at VIT Vellore and Honeywell Solutions) were instrumental in his growth as a professional. He emphasised the need of grooming students with a solid foundation in their core domain and how innovative and challenging tasks would enhance their employability.

He also displayed a few attractive CVs of fresh graduates in order to help participants understand the demand of the industry so as to make their students industry-ready. The participants benefitted immensely from this interactive session and many of their lingering doubts were clarified.

Dr. Appa Swami Jasti, Asst. Professor at HCU Hyderabad, offered an interactive session on 'Encouraging Technology Use in Teaching: Issues and Challenges'. He started with a question for discussion on why teachers avoid technology and closed his talk with tips for evaluating technology tools. He did a short survey on use of technology by the participants in order to make them aware of the ground reality and how they can maximize their comfort level with the use of technology in order to enhance their effectiveness in classroom interaction. He also invited the participants to enumerate the differences between digital natives and digital non-natives. He further shared the benefits of technology-enriched teaching. He also touched upon the potential of mobile learning in and out of the class in context of SAMR (substitution, augmentation, modifications, and redefinition) framework.

The session ended with informal interaction between participants and expert on different issues and challenges of teaching learning transaction with technology.

 **Day-2: 24 March 2018, 10.00 am, – 12: 15 pm; Technical Session II**:

 Prof. Nagrajan, Pondicherry Engineering College, using the acronym TEACHER highlighting the teachers' characteristics in present scenario in order to be an effective teacher. In his opinion a teacher should have a sensitivity to students' individual differences: understanding of how students learn at a given developmental level; how learning in a specific subject area typically progresses; and an understanding that instruction should be customized to meet each student's needs.

He also insisted on dedication to teaching, which includes commitment to students' success. To a student, this means a teacher should be always willing to help and give time. He concluded, "If you can reach them you can teach them." The participants enjoyed this interactive session and many of their lingering doubts were clarified during teraction at tea.

**12:15 – 1:15 pm, Technical Session IV**: Dr. Appa Swami Jasti, Asst. Professor – HCU Hyderabad, discussed how to use web-resources for learning to write for academic purposes. Firstly, he explained characteristics of writing for academic purposes.

He then discussed the importance writing for academic purposes for teachers and students. Next, he made the participants aware of the available web-resources and how one can use them for learning to write for academic purposes.

**2 – 4 pm, Technical Session V**: Dr. Joy Anuradha, Asst. Professor – HCU Hyderabad, orchestrated the final session of this workshop with her discussion on 'Assessment and Technology: Principles and Tools." She made the participants aware of the differences between aassessment and testing; assessment and learning; formative assessment and summative assessment; Standardized test and classroom based test; and formal and informal testing. She gave tips on designing classroom based tests keeping the criteria of good test and their reliability and validity in mind. Next, she made the participants familiar with the following web tools for creating online assessment:

- Google suite
- Hot potatoes
- Flubaroo
- Poll Everywhere
- Moodle
- Edmodo

This session was very informative and participants became familiar with the intricacies of teaching and how they can exploit the web resources to design their online tests for students. Prof. Rosalia Bonjour thanked the resource person and felicitated her with a memento.

**4 - 4.30 pm, Valedictory Function**: The workshop ended with a valedictory function. Prof. Rosalia Bonjour, HoD English and Foreign Languages and Convener of the workshop lauded the participants for their active participation.

The participants were invited to reflect upon the workshop resulting in five participants sharing their major gains from the workshop and expressed their indebtedness to MITS Management for organizing this workshop as it benefitted them immensely to evolve as a teacher for engineering students.

Participants gave an excellent feedback to the resource persons for their respective sessions.

All the guests were felicitated with mementos and bouquets.

Dr. Joy Anuradha, the resource person for the last session, was requested to distribute the certificates of participation.

Dr. B. Rasheeda Begum proposed vote of thanks to the resource persons, participants, MITS management and all the teaching and non-teaching faculty.