SRET | Date: 4ᵗʰAugust 2021

A Report on

One Week Faculty Development Program on

# Outcome Based Education and NBA Accreditation Process

Sponsored by AICTE under Margadarshan Scheme

in association with Sree Vidyanikethan Engineering College

Sree Rama Engineering College has organized a one week AICTE sponsored faculty development program on Outcome Based education and NBA Accreditation process under margadarshan scheme from 27.07.2021 to 31.07.2021 in association with Sree vidyanikethan engineering college, Tirupati. The FDP focused to create awareness on Outcome Based Education, Vision & Mission of Institute and department, mapping of CO-PO & its attainment levels and preparation of self-assessment report for NBA accreditation process.

This FDP was conducted in online through google meet and its schedule is as follows:

S. No.	Date & Day	Description	Resource person
1.	27.07.2021 Tuesday	Inaugural address on NBA Accreditation Washington Accord Membership its Advantages	Prof Dr.P.Giridhara Reddy Director, SVEC
		Outcome based Education	Dr.T.Devaraju Professor of EEE, SVEC
2.	28.07.2021 Wednesday	Process for defining the Vision and Mission of the Institution & Department and PEOs, POs and PSOs of the program	Dr.T.Devaraju Professor of EEE, SVEC
		Course Outcome, Program Outcome Mapping	Dr. P V Ramana Dean Academics & Professor of ECE, SVEC
3.	29.07.2021 Thursday	Course Outcome, Program Outcome Assessment and Attainment	Dr. P V Ramana Dean Academics & Professor of ECE, SVEC
4.	30.07.2021 Friday	Blooms taxonomy and Design of Outcome based Question Paper	Dr. B. Narendrakumar Rao Professor & HOD CSE, SVEC
5.	31.07.2021 Saturday	Preparation of NBA SAR	Dr.C.Madhusudana Rao Professor of CSSE, SVEC

Dr. K. Jaya Chandra, Principal, SREC welcomed all the distinguished lectures from the mentor institute and participants. In the welcome speech, he highlighted the significance of outcome based education and NBA accreditation. He also instructed all thefaculty members should follow all the FDP sessions without fail.
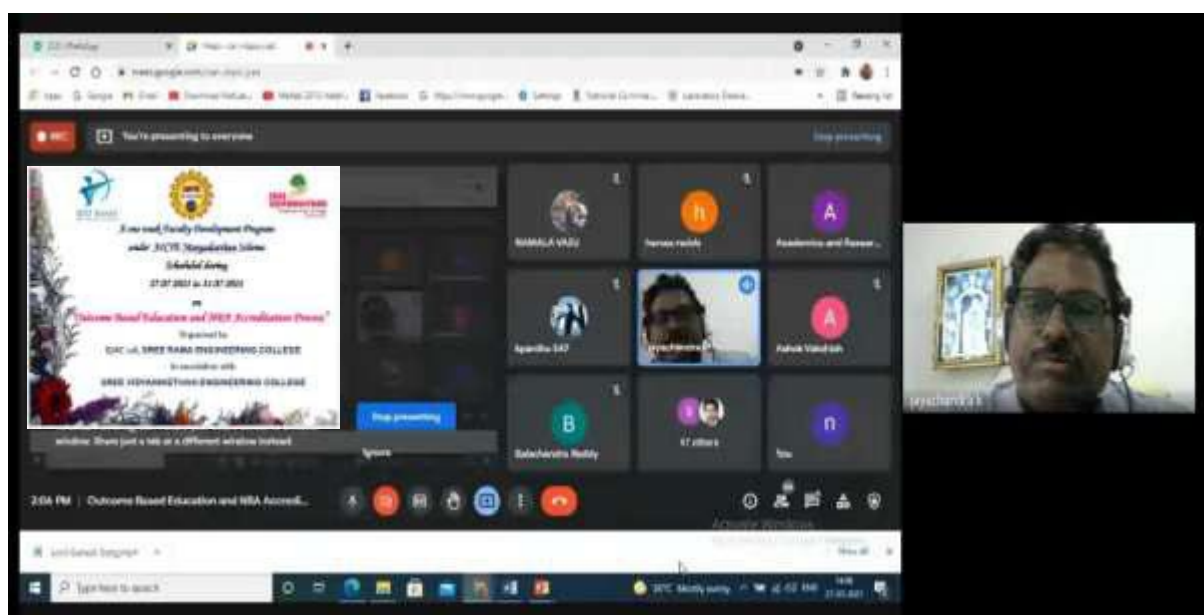
Dr. K. Jayachandra, Principal, SREC, Tirupati is delivering welcome speech
in the inaugural function

On day 1, Dr. P. Giridhar Reddy, Director, SVEC begin the first session with a lecture on general guidelines of accreditation and explained overview of accreditation process. In the second session on the same day, Dr. T. Devaraju, Professor of EEE department, SVEC gave a lecture on significance of Outcome based education in NBA accreditation process. He illustrated the OBE with real life examples. He clearly explained the requirement ofprogramme curriculum, pedagogical skills for desired outcomes in education. He also discussed the expectations of an employer on students.
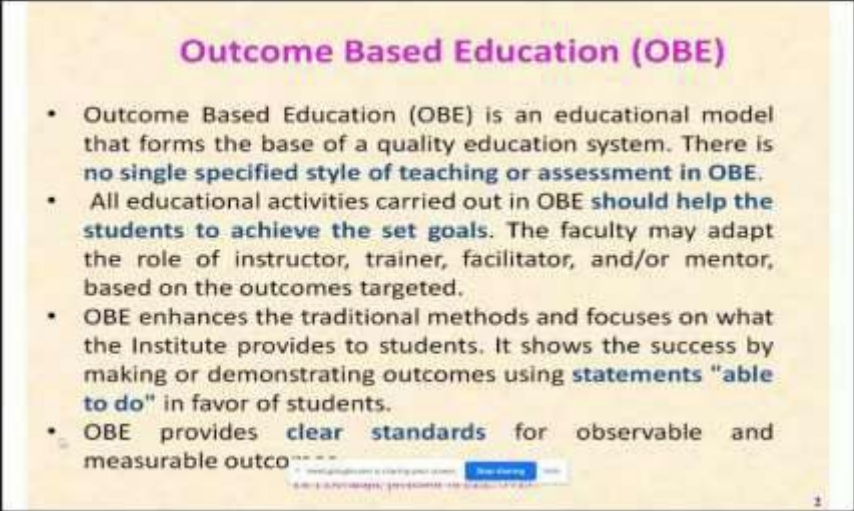
Dr. P. Giridhar Reddy, Director of SVEC, Tirupati explaining stages of NBA accreditation process to the faculty members of SREC, Tirupati

On day 2, Dr. T. Devaraju started the first session with definition of vision and mission of the institution. He clearly differentiates Institutes vision and mission. Also he shows vision and mission of top institutes like IIT Delhi, IIT Bombay. Later he described program educational objective and program outcomes. Dr. P. VenkataRamana, Dean Academics and Professor of ECE, SVEC delivered a lecture on mapping of Course outcome (CO) and Program Outcome (PO)in the second session. He illustrated the mapping of CO – PO for EDC (Electronic Devices and Circuits) and Python programming courses in an easy way. The faculty of sreerama engineering college felt very happy with his approach.

Dr. T. Devaraju, Professor of EEE, SVEC, Tirupati describing outcome based education to the faculty members in SREC

On day 3, Dr. P. VenkataRamana visited our college and demonstrated the attainment of CO – PO for theory, laboratory, seminar and project work courses. He also explained the preparation of faculty course assessment report and described how to write comments and action taken for the COs which are not attained with the target levels.

Dr. P. Venkataramana, Dean Academics and Professor of SVEC, Tirupati demonstrating CO – PO attainments and preparation of FCAR to the faculty members in SREC

On day 4, Dr. B. Narendra Kumar Rao, Professor and HOD of CSE department, SVEC delivered a lecture on design of question paper in OBE with blooms taxonomy. He started the session with an introduction of blooms taxonomy and later he described how to frame the questions in the internal assessment tests with appropriate COs and blooms level.
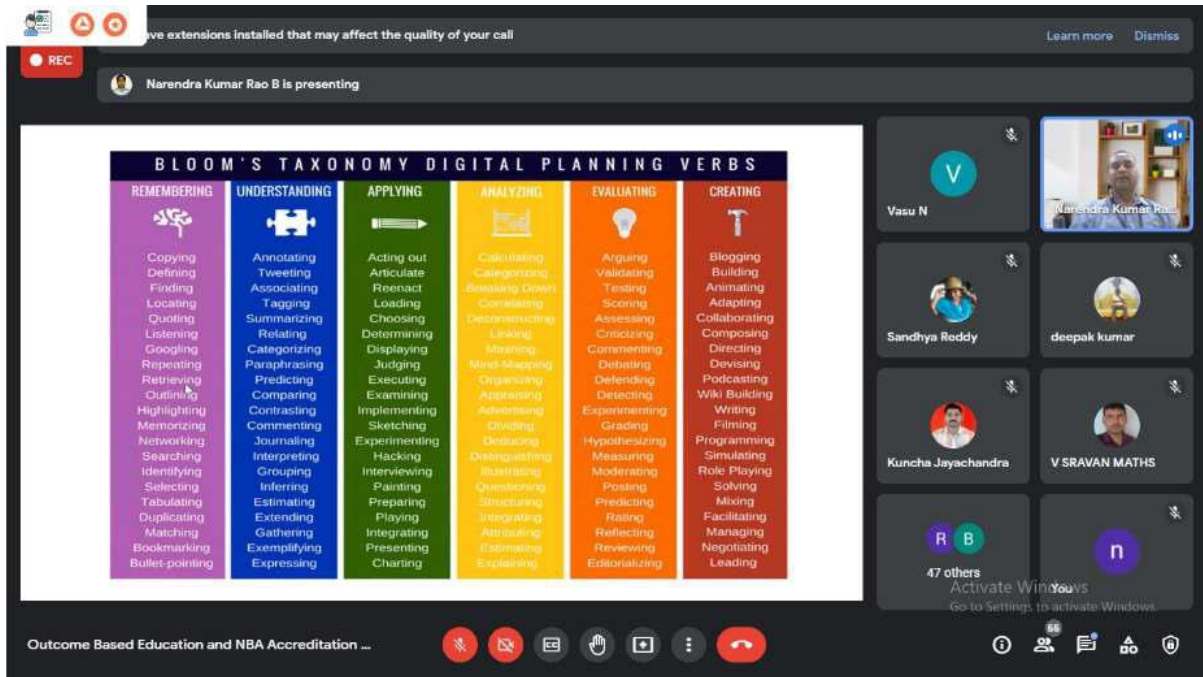
Dr. B. Narendra Kumar Rao, Professor and HOD of SVEC, Tirupati illustrating CO articulation process with Blooms levelto the faculty members in SREC

On day 5, Dr. C. Madhusudhan Rao, Professor of CSSE department, SVEC presented a lecture on the preparation of Self-Assessment Report (SAR) for NBA Accreditation. He explained the step by step procedure for filling every field in SAR. Finally he cleared all the doubts asked by the participants and ends the session with his regards to the sreerama engineering college.
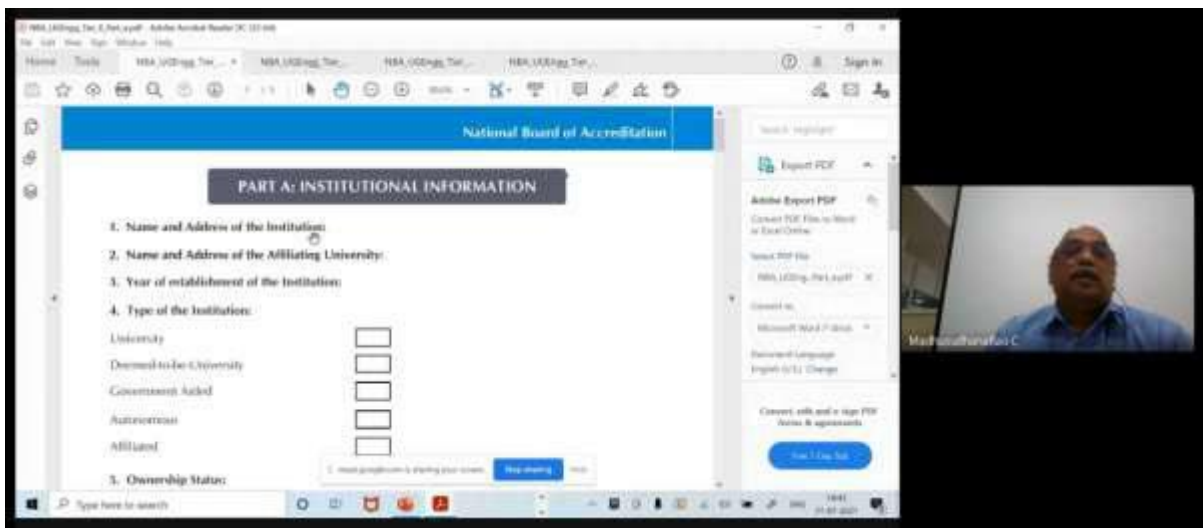
Dr. C. Madhusudhan Rao, Professorof CSSE, SVEC, Tirupati presenting the Institutional information required in Self-Assessment Report to the faculty members in SREC

At last, Dr. A. Muni Sankar, NBA coordinator, SRET had delivered vote of thanks to the SRET management, distinguished speakers from SVEC and faculty members. Later, the FDP ends with National Anthem.

Dr. K. JAYACHANDRA

Principal, SREC

SRET | Date: 5ᵗʰOctober 2021
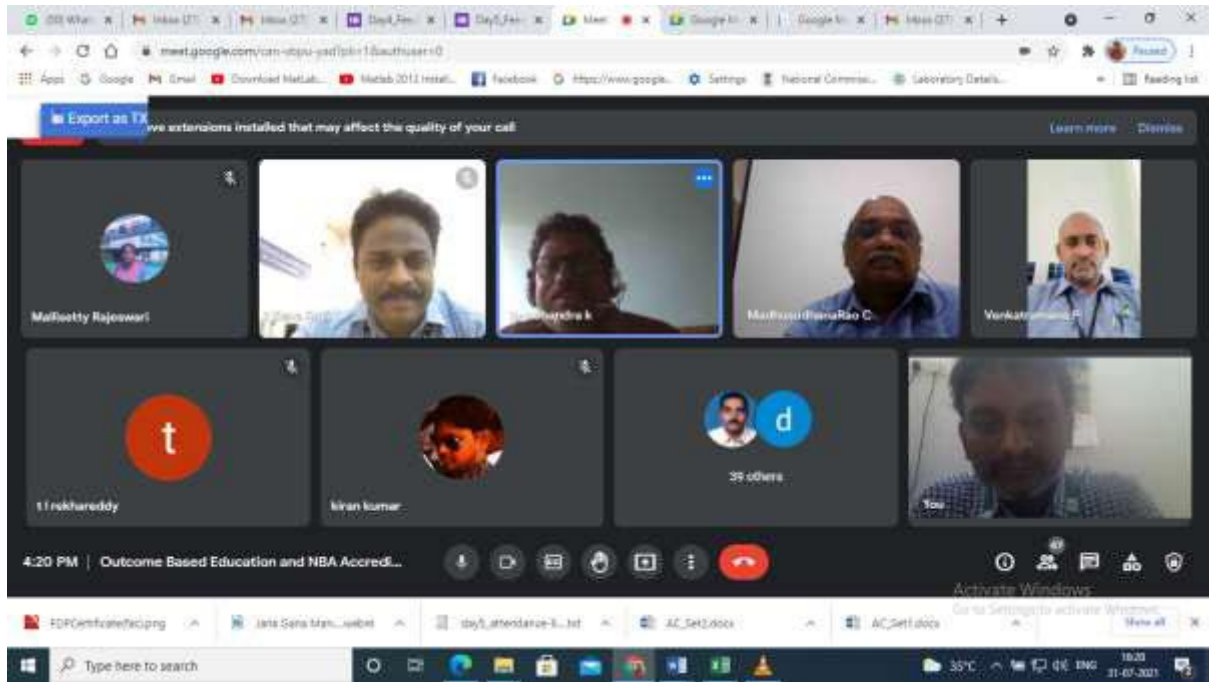
A Report on

A Three Day Faculty Development Program on

ICT Tools in Teaching Learning

Sponsored by AICTE under Margadarshan Scheme

*in association with Sree Vidyanikethan Engineering College*

IQAC cell of Sree Rama Engineering College has organized a three-dayfaculty development program on "ICT Tools inTeaching-Learning process"in association with Sree Vidyanikethan engineering collegeunder the AICTE Margadarshan scheme from 28.09.2021 to 30.09.2021.

The FDP focused to create awareness ofCourse Design and Delivery using CANVAS LMS Platforms,Activity-based Learning-TPS, Flipped Class Room and Blended Learning, Lecture video creation and publishing in open networks, Blog Creation and Management process.

Detailed Program Schedule:

S.No	Date & Day	Description	Resource person
1.	28.09.2021 Tuesday	Course Design and Delivery using CANVAS LMS Platforms.	P.Madhu Kumar Asst. Professor(SL) of ECE,SVEC
2.	29.09.2021 Wednesday	Activity based Learning-TPS.	Dr.K.Ramani Professor and Head, Dept. of IT, SVEC.
3.	30.09.2021 Thursday	Flipped Class Room and Blended Learning.	Dr.K.Ramani Professor and Head, Dept. of IT, SVEC.
		Blog Creation and Management.	Dr. P V Ramana Dean Academics & Professor of ECE, SVEC

Dr. K. Jaya Chandra, Principal, SREC welcomed all the distinguished lectures from the mentor institute and participants. In the welcome speech, he highlighted the significance of ICT Tools in Teaching Learning. He also instructed all thefaculty members should follow all the FDP sessions without fail.
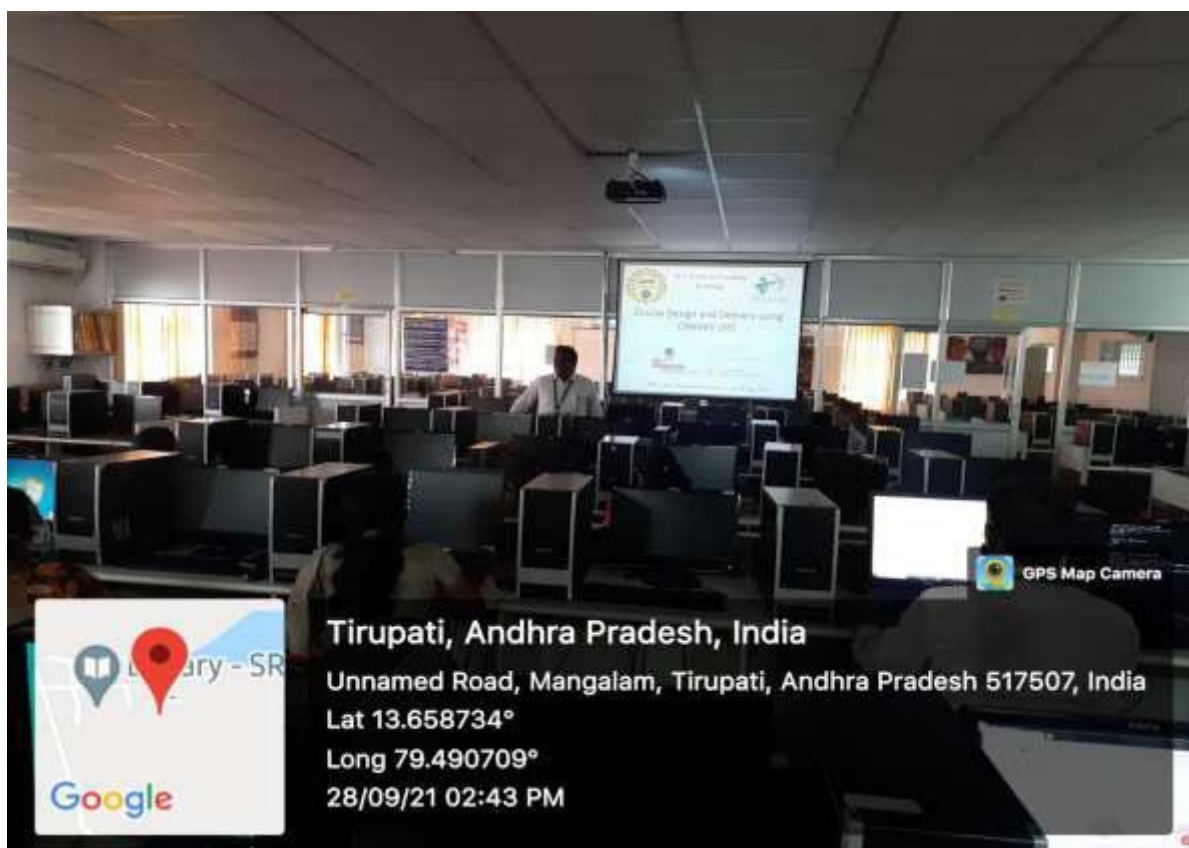
Dr. K. Jayachandra, Principal, SREC, Tirupati is delivering
the welcome speech in the inaugural function

On the 1st day,Mr. P.Madhu Kumar, Asst. Professor(SL),Dept. of ECE SVEC ,gave a lecture on significance of Course Design and Delivery using CANVAS LMS process. He illustrated the ADDIE Approach with real life examples. He clearly explained the requirement ofDigital signature for course, sharing everything in a blended course at one point, challenges in making DIDACTIC choices. He also discussed the expectations of an employer on students.

Mr. P.Madhu Kumar, Asst.Professor(SL),Dept. of ECE,SVEC demonstrating the CanvasLMS process to the faculty members of SREC, Tirupati

On Conclusion of the session, P.Madhu Kumar, Asst. Professor (SL), Dept. of ECE SVEC was felicitated by Dr. K. Jaya Chandra, Principal, SREC, Tirupati.

Felicitation of Mr. P.Madhu Kumar , Asst.Professor(SL),Dept. of ECE,SVEC

On the 2nd day, Dr. K. Ramani started the session with the training participants integrating ICTs in teaching-learning-evaluation process by using Collaborative and Cooperative teaching learning strategies. She initiate Cooperative and Collaborative learning processes with ICT tools among faculty members. Sheexpound Flipped Classroom and Hands on experience with Flipped Classroom activity done by faculty members.The faculty of Sree Rama Engineering College felt very happy with his approach.

Dr. K. Ramani, Professor and Head, Dept. of IT, SVEC, Tirupati demonstrating ICT Tools to the faculty members in SREC

On the 3rd day Dr. K. Ramani started the day with a revision of previous day activities. She clearly explained about how does the Blended learning methods are useful to the faculty member in their teaching learning strategies. Dr. P.Venkata Ramana,Dean Academics &Professor of ECE, SVECexpound the usage of Blog Creation and Management for sharing the materials to the students.

On Conclusion of the FDP, Dr. P.Venkata Ramana, Dean Academics &Professor of ECE, SVEC was felicitated by Dr. K. Jaya Chandra, Principal, SREC, Tirupathi.

Felicitation of Dr. P. Venkataramana, Dean Academics
and Professor of ECE, SVEC, Tirupati

On Conclusion of the FDP, Dr. K. Ramani, Professor and Head, Dept. of IT, SVEC was felicitated by Dr. K. Jaya Chandra, Principal, SREC, Tirupathi.

Felicitation of Dr. K. Ramani, Professor and Head, Dept. of IT, SVEC

At last, Miss P.G. Mamatha, SREC had delivered vote of thanks to the SREC management, distinguished speakers from SVEC and faculty members. Later, the FDP ends with National Anthem.

Vote of Thanks by Mrs. P.G. Mamatha, Asst. Professor, Dept. of ECE, SREC

Dr. K. JAYACHANDRA

Principal, SREC

SRET | Date: 16th December 2021

A Report on
One DayWorkshop on
Writing & Publishing a Research Paper
Sponsored by AICTE under Margadarshan Scheme
in association with Sree Vidyanikethan Engineering College

The IQAC cell of Sree Rama Engineering College has organized one day workshop on "Writing and Publishing a Research Paper" under AICTE Margadarshan scheme on 15th December 2021 in association with Sree Vidyanikethan Engineering College, Tirupati. The main aim of this workshop is to create awareness on publishing the research work in peer reviewed journals for the faculty members and PG students.


The schedule of this workshop is as follows:

S. No.	Session	Description	Speaker
1.	Forenoon session	Preparation of research article; tools for preparing article and identification of cloned journals	Dr. T.V.V. Satyanarayana Associate Professor of ECE, SVEC
2.	Afternoon session	Preparation of review paper; indexing a publications, identification of peer reviewed journals and publication ethics	Dr.M. Sunil Kumar Professor of CSE, SVEC

Dr. K. Jaya Chandra, Principal, SREC welcomed all the distinguished lectures/speakers from the mentor institute and participants. In the welcome speech, he highlighted the significance of publications for an academician/. He also instructed all the facultymembers should follow all the workshop sessions without fail.

Dr. T.V.V. Satyanarayana, starts the forenoon session with the discussion on types of articles and structure of manuscript. Later, he illustrates how to frame the title for research paper, points to be discussed in the abstract, way to select keywords, procedure to inscribe the Introduction part, developing of problem statement from the existing research work, presentation of methodology, interpretation of results and drawing conclusions. He also demonstrates the tools used for preparing research paper i.e., Grammarlywhich is a cloud-based writing assistant that reviews spelling, grammar, punctuation, etc., and Mendeleywhich is used to manage and share research papers and generate bibliographies for articles. Finally, he also gives the information about identification of cloned journals and process of reviewing a research article by the reviewer.
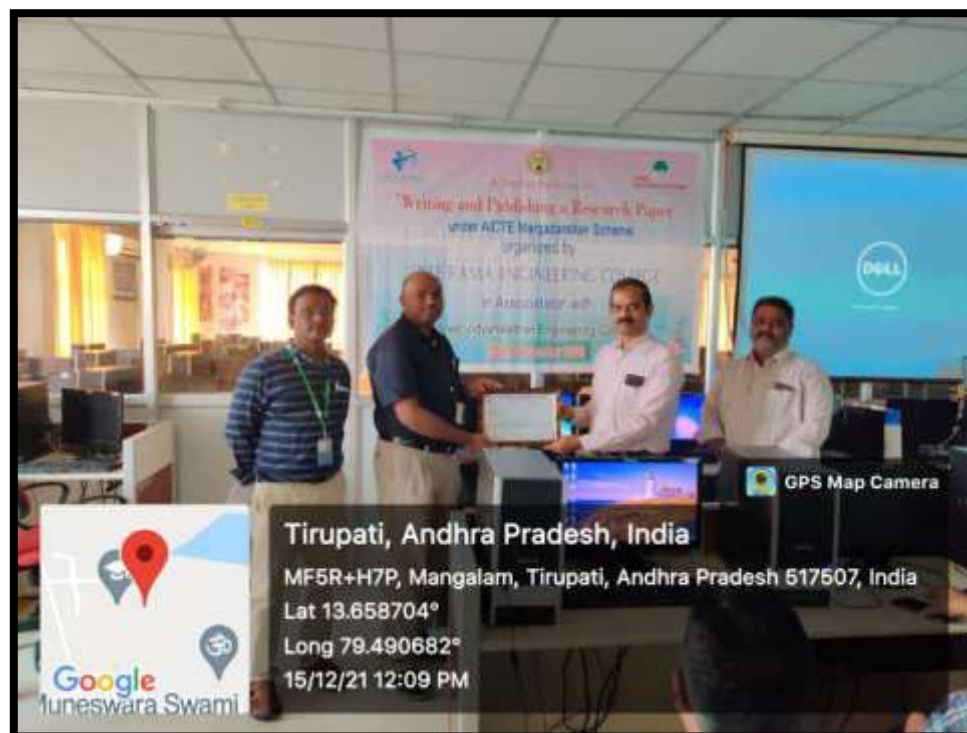
Felicitating of Dr. T.V.V Satyanarayana by Dr. J. Naga Muneiah, Professor of CSE, SRET

In the afternoon session, Dr. M. Sunil Kumar describes the structure and procedure to write a review paper and indicate the list of journals for publishing a review paper. He creates awareness on Impact factor and H-index for a journal and shared thelist of Web of Science (WoS), Scopus and SCI Indexed journals. Later, he demonstrated the manner of checking plagiarism content in the research paper using turnitin software, significance of creating research id in scopus.com, publons.com and research gate for an academician. He also shared his research experience with our faculty members.

Dr.M. Sunil Kumarsharing his research experience with faculty of SRET

At last, Sri N. Vasu, IQAC coordinator, SRET had delivered vote of thanks to the SRET management, distinguished speakers from SVEC and faculty members. Later, the workshop ends with National Anthem.

SRET | Date: 01st July 2022

An Online National Conference on

RECENT TRENDS IN SCIENCE & TECHNOLOGY, ENGINEERING AND MANAGEMENT (RTSTEM-2022)

Sree Rama Engineering College has organized an online National Conference on "Recent Trends in Science & Technology, Engineering and Management (RTSTEM-2022)" under IEEE student branch in association with CSI student branch, ISTE student chapter, IETE chapter and ISET student chapter on 30th June 2022. This conference provides an exceptional interdisciplinary platform for academicians, researchers, industry participants and budding engineers to disseminate the most recent innovations, trends and concerns along with the present-day challenges and the solving approaches for implementation in the field ofScience, Technology & Engineering and Management.

The conference is meant for both academicians (researchers, professors, academic and research associates, research scholars and PG students) and industry delegates. Original Research Papers and Case Studies are invited on the conference themes in the area of Science, Technology & Engineering and Management. The broad areas/ sub-themes that will be of interest for the conference are:

Track 1 **Applied Sciences**	Track 2 **Engineering & Technology**	Track 3 **Business Management**
• Space Physics • Material sciences • Polymer Science • Geological Science • Microbiology • Mineralogy • Geology • Mathematics • Chemistry	• Computer Engineering • Civil Engineering • Electrical Engineering • Electronics Engineering • Mechanical Engineering • Structural Engineering • Manufacturing Engineering • Materials Engineering • Thermal Engineering	• Marketing • Finance & Accounting • Human Resource Management • Entrepreneurship • General management • IT in Business • Operation Management • Financial Markets

Academicians from various institutes submitted 45 articles (3 papers in Track 1, 40 papers in Track 2 and 2 papers in Track 3) attended the conference virtually. All selected research papers published in the conference proceedings with ISBN number 978-93-91365-02-8. Certificate of Appreciation had given for Best Paper Presenter in each track.

Dr. Venkata Ramana Badarla, Associate Professor & HOD, Dept. of CSE, Indian Institute of Technology Tirupati, Tirupati had given keynote session on Next Generation Networking for IoT.

Dr. K. Jaya Chandra, Principal is addressing all the participants in virtual mode

Dr.B. VenkataRamana, Associate Professor, IIT Tirupati is delivering Keynote session

Opening ceremony of conference proceedings by Sri M. Aravind Kumar Reddy, Director,SRET

At last, Dr. A. Muni Sankar, Convener had delivered vote of thanks to the SRET management, distinguished keynote speaker from IIT Tirupati and participants from various institutes. Later, the conference ends with National Anthem in virtual mode.