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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
&
DEPARTMENT OF BIOMEDICAL ENGINEERING**

Event Report

National Conference on “Recent Emerging trends in Science, Engineering & Advanced Research in Communication & Healthcare-2022” (NCRESEARCH-2022)
04.07.2022

Name of the Event	National Conference on “Recent Emerging trends in Science, Engineering & Advanced Research in Communication & Healthcare-2022” (NCRESEARCH-2022)
Date & Time	04.07.2022 & 10.00 AM (IST)
Guest Speaker	<u>Guest No. 1:</u> Dr. V. Thulasi Bai Chairman, IETE Chennai Centre <u>Guest No. 2:</u> Shri. Ganesh Balasubramanian Senior Deputy Director of Engineering Amphenol Antenna Solutions, Inc. Chennai, Tamil Nadu, India
Total Number of Papers Published in Conference	94
Organised By	Department of Electronics and Communication Engineering, Department of Biomedical Engineering & IETE Students Forum (ISF), AVIT.
Mode	Hybrid Mode



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National Conference on “Recent emerging trends in Science, Engineering & Advanced Research in Communication & Healthcare-2022” (NCRESEARCH-2022) is started with the traditional note of Lighting Kuthuvilakku.





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Dr. L. K. Hema, Professor & Head/ ECE & BEME, convener of the Conference delivered the Welcome Address. Madam welcomed the esteemed gathering.



Dr. L. K. Hema, Professor & Head/ ECE & BEME, convener of the Conference delivering Welcome Address.

Dr. G. Selvakumar, Principal, AVIT & Conference Chair, delivered the presidential address and welcomed the gathering. He has appreciated the participants for their active participation in the conference. Sir has stressed more on the importance of research directions in academics.



Dr. G. Selvakumar, Principal, AVIT & Conference Chair, delivered the presidential address



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Dr. D. Vijendra Babu, Professor, ECE & Vice-Principal (Part-time Studies), has felicitated the participants and motivated the students to pursue for more on the research and explained the importance of multi-dimensional and multi-disciplinary research in the current scenario of the world.



Dr. D. Vijendra Babu, Professor, ECE & Vice-Principal (Part-time Studies), felicitation address

Dr. S.P. Sangeetha, Vice-Principal (Academics), AVIT has delivered the felicitation address and congratulated the organizers of the national conference.



Dr. S.P. Sangeetha, Vice-Principal (Academics), AVIT, Felicitations Address



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Dr. L. Prabhu, Vice-Principal (Administration), AVIT has delivered the felicitation address and explained about the necessities of entrepreneurship activities among the students, encouraged all the students to have an idea of the product. He mentioned that the Ganesan Incubation and Entrepreneurship Centre (GIEC) is ready to support them with the idea.



Prof. L. Prabhu, Vice-Principal (Administration), AVIT, Felicitation Address

Mr. V. Prabhakaran, Assistant Professor (Gr-II), BME & Co-convenor of the conference briefed about National Conference on “Recent Emerging trends in Science, Engineering & Advanced Research in Communication & Healthcare-2022” (NCRESEARCH-2022). Papers received from all over the parts of India like Kerala, Andhra Pradesh, Bhubaneswar, Bihar, Pondicherry, etc., Over 80% of the papers received from the external Institutions in India.



Mr. V. Prabhakaran, Assistant Professor (Gr-II), BME & Co-convenor briefing about conference



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Dr. G. Selvakumar, Principal, AVIT & Conference Chair has released the proceedings of National Conference on “Recent Emerging trends in Science, Engineering & Advanced Research in Communication & Healthcare-2022” (NCRESEARCH-2022), Guest, Dr. V. Thulasi Bai, Chairman, IETE Chennai Centre has received the first copy of the proceedings.



Release of Proceedings of NCRESEARCH-2022



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Dr. D. Vijendra Babu, Professor, ECE & Vice-Principal (Part-time Studies) has released the newsletters of Department of Electronics and Communication Engineering “ELEX-APEX” and Department of Biomedical Engineering “BIO-BEATS” for the academic year 2021-2022. Shri. Ganesh Balasubramanian, Senior Deputy Director of Engineering, Amphenol Antenna Solutions, Inc. Chennai, Tamil Nadu, India has received the first copy.



Release of Newsletter – Academic Year 2021-2022



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Dr. V. Thulasi Bai, Chairman, IETE Chennai Centre has delivered the inaugural address, and she has explained the research areas of Biomedical field. And also gave the students directions for doing the effective research. Madam also specified the importance of professional society membership and explained that how it'll impact the lives of the students. Madam also explained about her experience in research in the field of "Tele-Medicine"



Dr. V. Thulasi Bai, Chairman, IETE Chennai Centre, delivering the inaugural address



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Shri. Ganesh Balasubramanian, Senior Deputy Director of Engineering, Amphenol Antenna Solutions, Inc. Chennai, Tamil Nadu, India, delivered the conference keynote address on the topic of “Research Areas and Application of 5G”. He explained about the different generations of data transmissions from 1G to 5G and the design of antennas that required to meet the specific applications and also for various data rate.



Shri. Ganesh Balasubramanian, Senior Deputy Director of Engineering, Amphenol Antenna Solutions, Inc. Chennai, Tamil Nadu, India, delivering keynote address

Ms. R. Mohana Priya, Asso. Prof., ECE, Co-convenor of the conference has delivered the vote of thanks





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As green initiative of the department Samplings were planted in the Aarupadai Veedu Institute of Technology by the guest of the conference Dr. V. Thulasi Bai & Shri. Ganesh Balasubramanian.



**National Conference on
Recent Emerging Science, Engineering & Advanced Research in
Communication and Healthcare 2022 (NCRESEARCH 2022)**





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Paper Presentation has been divided in to four different tracks. Three tracks in offline and one track in online mode.



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Mr. R, Karthikeyan, Assistant Professor (Gr-II), ECE has hosted the Valedictory function and delivered the valedictory note of the National Conference on “Recent Emerging trends in Science Engineering & Advanced Research in Communication & Healthcare-2022” (NCRESEARCH-2022). Over 120 papers have been received and 94 papers were selected for the conference presentation. Papers received from all parts of India. The entire 94 papers were presented in both online and offline mode. In those 62 papers were presented online and remaining 32 were presented in offline mode.





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For Every track one best paper has been selected and awarded with the certificate and the cash amount. Dr. L. K. Hema, Professor & Head, ECE & BME presented the students with the certificate and cash prize along with Mr. R, Karthikeyan, Assistant Professor (Gr-II), ECE.





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