IETE VIJAYAWADA CENTRE'S NEWSLETTER

"69 Years of Journey towards Electronics & Telecommunication Engineering Development"

Vol. 4 2023-2 (Quarterly)



From Chairman's Desk

Greeting!

I thank all the Corporate members, HoDs, ISF Faculty coordinators and ISF Student members under IETE Vijayawada Centre for your relentless efforts throughout the past academic year (2022-23) in keeping the respective ISFs active by organizing the activities along with enrolling faculty, students and Institutions as IETE members.

I am very glad to say that in the past academic year IETE Vijayawada Centre was added with 80 new Corporate members, 4,827 new Student members, 11 New ISF Chapters, 12 new Organizational members and 10 Corporate members upgraded their membership. A total of 57 events were organized by ISFs in association with IETE Vijayawada Centre. I thank all Management, Principals, HoDs, ISF Faculty coordinators and ISF Student Members of ISF chapters under IETE Vijayawada Centre for their support and encouragement in achieving this mile stone. I also congratulate all the Organizations, Faculty and Students who got enrolled as IETE members and being part of the IETE Vijayawada Centre.

As we entered into the new academic year (2023-24), I hope the same support from you all and I request you all to plan and organize the activities for student community in order to enhance their skills and prepare them to think out of box and take up the new challenges. I also remind you to utilize the G20 DISCOUNT on IETE membership fee of 25% which is available till 30th September 2023.

I thank Prof. (Dr.) V. Gunasekhar Reddy, President, Prof. (Dr.) K. Jaya Sankar, Vice-President, IETE, New Delhi, Prof. (Dr.) Baswaraj Gadgay, IETE South Zone Mentor and other officials of IETE New Delhi, for their continuous support and encouragement towards the welfare of IETE Vijayawada Centre and I also thank the Chairmen of all other IETE centres.

I thank Er. D. Ramakrishna, CEO, Efftronics Systems Pvt. Ltd., Dr. M. Kamaraju, Professor, Seshadri Rao Gudlavalleru Engineering College, Dr. E. V. Krishna Rao, Dean, Lakireddy Bali Reddy College of Engineering Dr. V.V.K.D.V. Prasad, Professor, Seshadri Rao Gudlavalleru Engineering College, Dr. G.N. Swamy, Professor, VR Siddhartha Engineering College, Dr. T. Venkateswra Rao, HoD, Sir C.R. Reddy College of Engineering, Dr. K. Ramanjaneyulu, Professor, PVP Siddartha Institute of Technology, all corporate members and past executive members for their continuous support and guidance to the IETE Vijayawada Centre.

I specially thank Hon. Secretary, Dr. Sujith Kalluri and Hon. Treasurer Dr. B. Surya Prasada Rao, and all executive committee members of IETE Vijayawada Centre, for their continuous support in all aspects. I thank all the Engineering College Management, Principals, HoDs, and ISF faculty coordinators for their support in publishing ISF activities in this newsletter.

With best wishes,

B. Rajasekhar

Dr. B. RAJASEKHAR, FIETE,
Chairman, IETE Vijayawada Centre,
Professor of ECE,
Seshadri Rao Gudlavalleru Engineering College,
Gudlavalleru, Krishna Dist., A.P.

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THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE)
VIJAYAWADA CENTRE
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EXECUTIVE COMMITTEE 2022-24

Dr. B. RAJASEKHAR, FIETE
Chairman

Dr. K. RAMANJANEYULU, FIETE
Immdt. Past Chairman

Dr. SUJITH KALLURI, MIETE
Hon. Secretary

Dr. B. SURYA PRASADA RAO, FIETE
Hon. Treasurer

EXECUTIVE MEMBERS

Er. ANIL CHOWDARY. T., FIETE
Vice-Chairman

Dr. CHALASANI SUBBA RAO, FIETE

Dr. K. PRASANTHI JASMINE, FIETE

Dr. K. SARAT KUMAR, FIETE

Er. K. SASI BHUSHAN, MIETE

Dr. Y. SYAMALA, FIETE

Dr. SHAIK RIYAZUDDIEN, FIETE

CO-OPTED MEMBERS

Er. P. KALEE PRASAD, MIETE

Dr. A. GEETHA DEVI, FIETE

Dr. K. VARA PRASAD, MIETE

SPECIAL INVITIES

Past Chairmen of the IETE Vijayawada

Er. D. RAMAKRISHNA, FIETE

Er. CH. VENKATRAMANNA, FIETE

Dr. A.V.N. TILAK, FIETE

Dr. E.V. KRISHNA RAO, FIETE

Dr. M. KAMA RAJU, FIETE

Dr. G.N. SWAMY, FIETE

Dr. T. VENKATESWARA RAO, FIETE

Dr. V.V.K.D.V. PRASAD, FIETE



Honorary Secretary's Report

Dear Sir / Madam,

Dr. **SUJITH KALLURI**, MIETE, Hon. Secretary of the IETE Vijayawada Centre and Associate Professor of ECE, Amrita Vishwa Vidyapeetham, Amaravati, A.P.

A warm welcome and hearty wishes to every one on the occasion of releasing the Fourth Quarterly (April, May, June-2023) issue of IETE Newsletter. I am happy to submit the quarterly technical activities conducted by the Centre, in association with the ISFs established at various Engineering Colleges, in the jurisdiction of the IETE Vijayawada Centre.

WORLD TELECOMMUNICATION AND INFORMATION SOCIETY DAY - 2023
on 17th May 2023

The IETE Vijayawada Centre in association with The ISF of the Department of Electronics and Communication Engineering of **KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, GUNTUR**, jointly celebrated the function of **"WORLD TELECOMMUNICATION AND INFORMATION SOCIETY DAY-2023"**, at 10.00 A.M., on **17th (Wednes Day) May, 2023**.

The Chief Guest, **Er. BHASKAR BANDI**. Sub Divisional Engineer (Broadband) BSNL GUNTUR, delivered a talk on the Theme: **"Empowering the Least Developed Countries through Information and Communication Technologies."**, on this occasion.

Dr. B. RAJASEKHAR, FIETE, Chairman, IETE Vijayawada Centre read out the messages of the ITU (International Telecommunication Union) Secretary General & President IETE New Delhi on this occasion.

Dr. P. BABU, Ph. D. Principal, of **KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, Guntur** Addressed the Gathering on this occasion.

The vote of thanks was conveyed by **Dr. B. SURYA PRASADA RAO**, FIETE, Hon. Tresurer, of the IETE Vijayawada Centre.

Dr. N. ADI NARAYANA, FIETE, Prof. & HOD ECE, **KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, Guntur** and the past Chairmen, Executive Committee, Corporate and student Members around 200 members have attended to the above function.





Report on the Technical Activities Organised by the IETE Vijayawada Centre In association with the ISFs (IETE Student Forums).

The ISF of the Dept. of ECE of **Chalapathi Institute of Technology, Guntur,** in association with IETE Vijayawada Centre Conducted a 6 days workshop on ARDUINO from **3rd April 2023** to **10th April 2023**.




బాపట్ల ఇంజనీరింగ్ కాలేజీలో అంతర్జాతీయ సదస్సు

The ISF of the Department of **Electronics & Communication Bapatla Engineering College (A), Bapatla**, in association with the IETE Vijayawada Centre, Organised **"International Conference On Communications, Signal Processing & Computing [ICCSPC 2023]"**, on Monday, **17th April 2023. Dr. B. RAJASEKHAR**, FIETE, Chairman of the IETE Vijayawada Centre, attended as a Chief Guest to the Program.

The ISF of the Dept. of ECE of **Bapatla Women's Engineering College, Bapatla,** Andhra Pradesh, in association with the IETE Vijayawada Centre and Supraja Technologies Organised "A 5 Days Hands on **"Boot Camp on Ethical Hacking & Cyber Security & Next Followed By A 7 Hrs Hackathon"** on **24th April To 28th April 2023**.









The ISF of the Dept. of ECE of **Bapatla Women's Engineering College, Bapatla,** Andhra Pradesh, in association with the IETE Vijayawada Centre organised **"WARTECH - 2023"** on **1st May 2023**.

The ISF of the ECE Department of **UNIVERSAL COLLEGE OF ENGINEERING & TECHNOLOGY, Dkiparru (V)**, Medikonduru (M), Guntur Dist. of A.P, In association with the IETE Vijayawada Centre Organised a Three Days Workshop on **"INTERNET OF THINGS USING ESP32"** from **18th April 2023 to 20th April 2023**. **Mr. K. BAPUJI**, M. Tech (IIT-Bomby), Chief Executive Officer Appleton Innovations Visakhapatnam were the Resource Persons for this workshop.





An online Seminar on **"Emerging Trends in Embedded Systems, Involvement of Embedded Systems in Different Sectors"** organized by Department of ECE, **Potti Sri Ramulu, Chalavadi MallikarjunaRao College of Engineering, Vijayawada,** in association with IETE Vijayawada Centre on **6th April 2023**. In this seminar around 150 students has participated in the event.The resource persons Sunil Kumar Yarramalla & P Sumathi from Vector India speak about the importance of Embedded systems and how to get opportunities in the field of core industries.









The ISF of the ECE Department of **Potti Sriramulu Chalavadi Mallikharjuna Rao College Of Engineering And Technology, Vijayawada,** in association with the IETE Vijayawada Centre, conducted a guest Lecture on **"IoT Foundation for Industry 4.0"**. The Guest **Sri Bhavani Sankar Surabhi** on **15th April 2023**. He created awareness among the students about future industry IoT, and enlighten the students about future requirement in jobs.



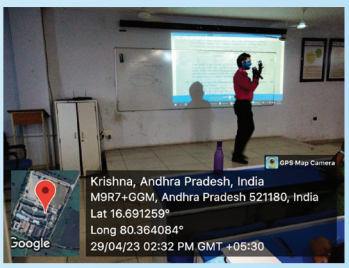
The ISF of the Dept. of **RVR & JC College of Engineering, Chowdavaram, Guntur,** In association with the IETE Vijayawada Centre organised **"TECHNOFHILIA – 2K23"** on **26st April 2023**. Electo Appearance (Paper Presentation), Braino Spark (Technical Quiz), ZigZag with Electronics (Tech puzzle), Circuit Combat (Battle with circuits) and Tech Trove (Treasure Hunt) events were conducted, on this occasion.





The ISF of the Dept. of ECE of **DVR & Dr. HS MIC College of Technology, Kanchikacharla, Vijayawada**, In association with the IETE Vijayawada Centre organised **"ANTARAGNI TECHNO – 2K23"** on **21st April 2023**. Proto type and, Poster Presentation events were conducted, on this occasion.

The ISF of the Dept. of ECE of **DVR & Dr. HS MIC College of Technology, Kanchikacharla,** Andhra Pradesh, In association with the IETE Vijayawada Centre Conducted a Guest Lecture on **"OPTIMIZATION METHODS"**, By **Dr. P. Kishore Kumar** NIT Andhra Pradesh on **29th April 2023**.





The ISF of the ECE Department of **Vasireddy Venkatadri Institute of Technology, Guntur,** In association with the IETE Vijayawada Centre conducted a Guest lecture on **25th April 2023** on **"Iot potential and cyber security issues in nextgen broadcasting"** by **Dr. D. Ranganadham** deputy director general and head of DD Kendra Vijayawada.









The ISF of the ECE Department of **Vasireddy Venkatadri Institute of Technology, Guntur,** In association with the IETE Vijayawada Centre conducted awareness program on **"Intellectual Property Accelerating Innovation And Creativity"** on **26th April 2023** by **Mr. K. Lakshma Reddy** Asst.Prof., Management Studies VVIT.

The IETE student Forum of **Vasireddy Venkatadri Institute of Technology, Guntur,** in association with the IETE Vijayawada Centre organized online Quiz on **"Empowering the least developed countries through information and communication technologies"** on the occasion of world Telecommunication and Information Society day on **17th May 2023.**









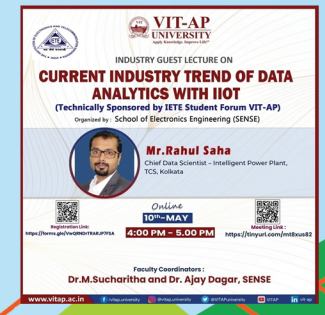
The ISF of the ECE Department of **Vasireddy Venkatadri Institute of Technology, Guntur,** in association with the IETE Vijayawada Centre organized a Tech talk on **"Step out & Innovate"** by **Dr. CH.V. Suresh** HOD of CSE Department on **21st April 2023**. on the occasion of World Creativity and Innovation day.





The ISF of the Dept. Of ECE (IOT), of **Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru,** Krishna Dist., in association with the IETE Vijayawada Centre, and PATRIOT jointly organized the **"Innovation Day"** on **21st April 2023**.

The School of Electronics Engineering of **VIT-AP University, Andhra Pradesh,** in association with IETE Vijayawada Centre conducted an industry Guest Lecture in Online mode **"Current Industry Trend of Data Analytics with IIoT"** by Mr.Rahul saha chief data scientist on **10th May 2023**.



Dr. B.Rajasekhar, FIETE, Chairman of the IETE Vijayawada Centre, attended as a Chief Guest to the **"Inaugural Ceremony of IETE STUDENT FORUM (ISF)"** at the ECE Department of **Mother Teresa Institute of Science & Technology, Sankethika Nagar,** Sathupally, Telangana State. on **26th June 2023**.







The ISF of the ECE Department of **Mother Teresa Institute of Science & Technology, Sankethika Nagar,** Sathupally, Telangana State, in association with the IETE Vijayawada Centre, conducted a Three Days National Level Workshop on **"ARDUINO PROGRAMMING WITH IOT"** from **26th June 2023** to **28th June 2023.**

The ISF of the Dept. of ECE of **Dhanekula Institute of Engineering & Technology, Ganguru,** in association with the IETE Vijayawada Centre organised **"NATIONAL LEVEL PROJECT EXPO"** on **29th April 2023. Dr B Raja Sekhar** IETE chairman and G K Durga BEL-GM inaugurated the Project Expo.







The ISF of the ECE Department of **Kallam Haranadha Reddy Institute of Technology, Guntur,** in association with the IETE Vijayawada Centre, organised a **"One Week Faculty Development Program on MIMO Antenas for 5G Communications"**on **26th June 2023 to 30th June 2023** (Virtual Mode).

AWARDS & ACHIEVEMENTS



Dr. Rohith Bala Jaswanth B, FIETE, IETE Vijayawada Centre obtained his Ph.D. from **Jawaharlal Nehru Technological University, Kakinada** for the thesis entitled **"Design and Performance Issues of CMOS Operational Transconductance Amplifier for Biomedical Signal (ECG) Applications"**, under the supervision of **Dr. V. V.K.D.V. Prasad**, Professor and Co-Supervisor, **Dr. M. Kamaraju**, Professor, ECE department, **Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru**.

He started career in 2008 as an Assistant Professor of ECE at **V.K.R.,V.N.B. & A.G.K. College of Engineering, Gudivada** and associated with **Seshadri Rao Gudlavalleru Engineering College since 2013**. He published about 18 research papers, obtained German Patent grant and received AICTE RPS research project worth 9.55 lacs.

THE ANNUAL GENERAL MEETING (AGM- 2023) was conducted on the 29th June 2023.

This year **80 new Corporate Members were enrolled** from the faculty of various Engineering colleges and 10 Members upgraded their membership.The same has been forwarded to the Head Quarter, IETE New Delhi. The total Corporate Membership strength under IETE Vijayawada Centre is 672.

This year a total of **4,827 new IETE Student Members were enrolled** from various Engineering colleges.The same has been forwarded to the Head Quarter, IETE New Delhi. The total Student Members Strength under IETE Vijayawada Centre is 8,527.

This year a total of **12 new Organizational Memberships were enrolled** from various Engineering colleges. The same has been forwarded to the Head Quarter, IETE New Delhi. The total Organizational Members within the Jurisdiction of the IETE Vijayawada Centre are increased to 16.

The following is the list of the Organizational Members under the jurisdiction of IETE Vijayawada Centre which covers the geographical area of Krishna, Guntur, Prakasam and Khammam districts).

1. Bapatla Women's Engineering College, Bapatla, Guntur Dist.
2. Guntur Engineering College, Guntur, GunturDist.
3. KKR & KSR Institute of Technology and Sciences, Guntur, Guntur Dist.
4. MalineniLakshmaiah Women's Engineering College, Guntur, Guntur Dist
5. Nalanda Institute of Engineering & Technology, Kantepudi, Guntur Dist.
6. PACE Institute of Technology & Sciences, Ongole, PrakasamDist.
7. RISE Krishna SaiPrakasam Group of Institutions, Ongole, Prakasam Dist.
8. RVR & JC College of Engineering, Guntur, GunturDist.
9. Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, Krishna Dist.
10. SRM University, A.P. Amaravathi, Guntur Dist.
11. St. Ann's College of Engineering & Technology, Chirala, Prakasam Dist.
12. St. Mary's Women's Engineering College, Budempadu, Guntur.
13. Tirumala Engineering College, Guntur, Guntur. Dist.
14. Universal College of Engineering & Technology, Perecharla, Guntur Dist.
15. Usha Rama College of Engineering & Technology, Gannavaram, Krishna Dist
16. VasireddyVenkatadri Institute of Technology, Namburu, Guntur Dist.





NEW IETE STUDENT MEMBERS ENROLLED FROM VARIOUS ENGINEERING COLLEGES.

College Name and address	Total Nos. of Applications Forwarded
BAPATLA WOMEN'S ENGINEERING COLLEGE BAPATLA, Guntur Dist.	383 Nos.
SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE (ECE Dept.) GUDLAVALLERU, Krishna Dist.	20 Nos.

Names of the ISFs (IETE Student Forums) established at various Engineering Colleges with in the jurisdiction of the IETE Vijayawada Centre (i.e. Krishna, Guntur, Prakasam, Khammam Districts.)

1. ANDHRA LOYOLA INSTITUTE OF ENGINEERING & TECHNOLOGY, VIJAYAWADA, Dr. NTR Dist.
2. BAPATLA WOMEN'S ENGINEERING COLLEGE, BAPATLA, Guntur Dist. (ECE Department)
3. BAPATLA WOMEN'S ENGINEERING COLLEGE, BAPATLA, Guntur Dist. (CSE Department)
4. BAPATLA ENGINEERING COLLEGE, BAPATLA, Guntur Dist.
5. CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, (Via)GUNTUR, Guntur Dist.
6. CHALAPATHI INSTITUTE OF TECHNOLOGY, GUNTUR, Guntur Dist.
7. DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY, (Via) VIJJAYAWADA, Dr. NTR Dist.
8. DVR & DR.HIMASEKHAR MIC COLLEGE OF ENGINEERING, KANCHIKACHARLA, Krishna Dist.
9. GUNTUR ENGINEERING COLLEGE, GUNTUR, Guntur Dist.
10. KALLAM HARANADHA REDDY INSTITUTE OF ENGINEERING & TECHNOLOGY, GUNTUR, Guntur Dist.
11. KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, GUNTUR, Guntur Dist.
12. K. L. UNIVERSITY, Vaddeswaram, Guntur Dist.
13. LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING, MYLAVARAM, Krishna Dist.
14. MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE, (Via) GUNTUR, Guntur Dist.
15. MALINENI RAJAIAH COLLEGE OF ENGINEERING, GUNTUR, Guntur Dist.
16. MALINENI PERUMALLU EDUCATIONAL SOCIETIES GROUP OF INSTITUTIONS, GUNTUR, Guntur Dist.
17. MOTHER TERESA INSTITUTE OF SCIENCE AND TECHNOLOGY, SATHUPALLY, Khammam Dist. of Telengana State
18. MVR COLLEGE OF ENGINEERING, PARITALA, Krishna Dist.
19. NALANDA INSTITUTE OF ENGINEERING, SATTENAPALLI, Guntur Dist.
20. NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPETA, Guntur Dist.
21. NRI INSTITUTE OF TECHNOLOGY, AGIRIPALLI, Krishna Dist.
22. NOVA COLLEGE OF ENGINEERING, IBRAHIMPATNAM, (Via) Vijayawada, Krishna Dist.
23. PACE INSTITUTE OF TECHNOLOGY & SCIENCES, ONGOLE, Prakasam Dist.
24. POTTISRIRAMULU, CHALAVADI MALLIKARJUNA RAOCOLLEGE OF ENGINEERING, VIJAYAWADA, Dr. NTR Dist.
25. PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY, VIJAYAWADA, Dr. NTR Dist.
26. QIS COLLEGE OF ENGINEERING & TECHNOLOGY, ONGOLE, Prakasam Dist.
27. RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS, ONGOLE, Prakasam Dist.
28. RK COLLEGE OF ENGINEERING, IBRAHIMPATNAM, (Via) VIJAYAWADA, Krishna Dist.
29. RVR & JC COLLEGE OF ENGINEERING, GUNTUR, Guntur Dist.
30. SARADA INSTITUTE OF TECHNOLOGY & SCIENCE, Khammam Dist. of Telangana State.
31. S.D.M.S.S.V.H. College of Engineering, Machilipatnam, Krishna Dist.
32. SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE, GUDLAVALLERU, Krishna Dist. (ECE Dept.)
33. SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE, GUDLAVALLERU, Krishna Dist. (I.o.T. Dept.)
34. SRI VAHINI INSTITUTE OF SCIENCE AND TECHNOLOGY, TIRUVURU, Krishna Dist.
35. SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY, PEDANA, Krishna Dist.
36. SRM UNIVERSITY, A. P.-Guntur Dist.
37. SRI MITTAPALLI COLLEGE OF ENGINEERING, (Via) GUNTUR, Guntur Dist.
38. S.R.K. INSTITUTE OF TECHNOLOGY, Vijayawada, Krishna Dist.
39. ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY, CHIRALA, Prakasam Dist.
40. ST. ANN'S ENGINEERING COLLEGE, VETAPALEM, Chirala, Prakasam Dist.
41. St. MARRY'S GROUP OF INSTITUTIONS, GUNTUR, Guntur Dist.
42. TIRUMALA ENGINEERING COLLEGE, GUNTUR, Guntur Dist.
43. UNIVERSAL COLLEGE OF ENGINEERING & TECHNOLOGY, PERECHARLA, (Via) Guntur Dist.
44. USHA RAMA COLLEGE OF ENGINEERING & TECHNOLOGY, (Via)Gannavaram, Krishna Dist.
45. VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY, NAMBURU, NAMBERU, Guntur Dist.
46. VIGNAN'S NIRULA INSTITUTE OF TECHNOLOGY &SCIENCE FOR WOMEN, (Via) GUNTUR, Guntur Dist.
47. VIGNAN'S UNIVERSITY, Vadlamudi, Guntur Dist.
48. VIT-AP UNIVERSITY, Guntur Dist.
49. V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING, GUDIVADA, Krishna Dist.
50. V.R.S. & Y.R.N. COLLEGE OF ENGINEERING, CHIRALA, Prakasam Dist.
51. V R SIDDHARTHA ENGINEERING COLLEGE, VIJAAYWADA, Dr. NTR Dist.

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