

## St. JOSEPH'S INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)



OMR, CHENNAI - 119



# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

THE CIRCUIT CHRONICLE

**NEWSLETTER SEPTEMBER- 2025** 













## **MESSAGES**

#### Dr. B. Babu Manoharan M.A., M.B.A., Ph.D.

#### Chairman

It gives me immense pleasure to commend the staff and the students of the Department of Electrical and Electronics Engineering for this excellent Newsletter. This Newsletter maps the merits and milestones accomplished by the department. I sincerely hope that the efforts put in by the students and the staffs help them in all their future endeavors.

#### Mrs. S. Jessie Priya M.Com.

#### **Executive Director**

This Newsletter is testament to the academic excellence of the college which in myriad ways is ingrained in our culture. It gives me great pleasure to see the exceptional potential of the students of the Department of Electrical and Electronics Engineering, in various extra-curricular activities as well as in academics. I congratulate the staff and the students on bringing out this wonderful Newsletter.

#### Mr. B. Shashi Sekar M.Sc.

#### **Managing Director**

I am very happy that our institution has shown a marvelous presentation of the activities through the Newsletter. I congratulate the staff and students for their excellent effort. Today, as we march towards a technological world, we aspire to open new vistas in the field of education for our students and this Newsletter helps us in our efforts.

#### Dr. S. Arivazhagan M.E., Ph.D.

#### **Principal**

I take this opportunity to laud the efforts of all those who were involved in the making of this Newsletter from the Department of Electrical and Electronics Engineering, St. Joseph's Institute of Technology. I would also like to appreciate the relentless efforts of our teachers for giving their best in bringing out the best in each student helping them achieve their goals.

#### Dr. G. Sreekumar M. Tech., Ph.D.

#### **Dean Academics**

It is inspiring to see the Department of Electrical and Electronics Engineering reach new heights through the efforts documented in this Newsletter. This publication not only reflects the department's commitment to academic and technical excellence but also its focus on nurturing well-rounded individuals. Congratulations to everyone who contributed to this outstanding achievement, paving the way for even greater successes ahead.

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#### **Vision**

To become a well renowned department in the field of Electrical and Electronics Engineering by imparting quality education and inculcating ethical values among students to serve the global society.

#### Mission

#### The department strives

M1: To provide strong fundamental knowledge through effective teaching- learning process to make the students competent in the field of Electrical and Electronics Engineering.

M2: To enable students with intellectual resources to conduct innovative research in order to meet the challenges faced by the industries and mankind.

M3 To promote the skill so emerging technologies through industry-interactions to attain sustained placements and other career opportunities.

M4: To inculcate ethically bound professional standards, skills of leadership and management for a successful career.

### **Program Educational Objectives**

- To provide foundation in their fields such as circuit theory, field theory, control theory and computational platforms.
- 2. To enhance the designing skills for the evolution of new technology in the Electrical and Electronics domain.
- 3. To equip the students to work in inter disciplinary groups for enhancing professional skills.
- 4. To motivate and prepare the students for a successful career in the industry or higher education.
- 5. To create awareness for life long learning and inculcate professional ethics.

#### **Program Specific Outcomes**

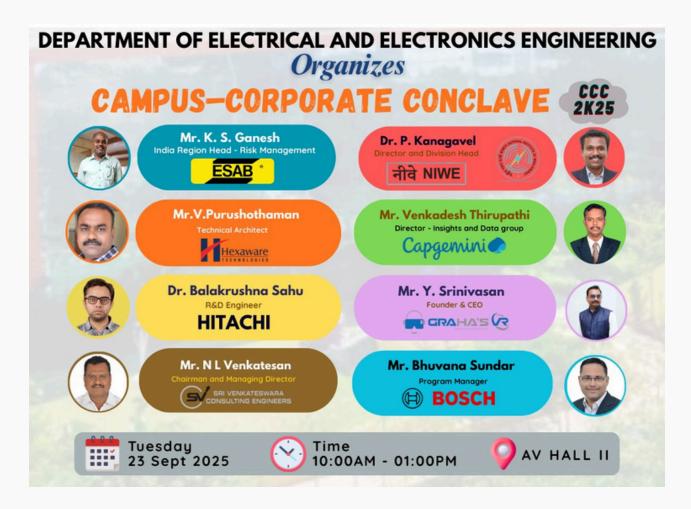
- 1. Our graduates will be able to understand the basic concepts related to engineering and technology with enhanced problem solving skills.
- 2. Our graduates, with high proficiency in Electrical and Electronics Engineering will be able to exhibit technical knowledge in industrial and entrepreneurial focus.
- 3.Our graduates can translate the effects of professional values and ethics in accordance with Electricaand Electronics Engineering domain, to create sustained environment for social

## Campus-Corporate Conclave (CCC 2K25)

Our Department successfully organized the Campus-Corporate Conclave (CCC 2K25) on 23rd September 2025. The conclave provided an invaluable platform for students to interact with industry leaders and gain firsthand insights into various sectors of the corporate world.

The event featured a distinguished lineup of speakers, including Mr. K. S. Ganesh, India Region Head – Risk Management at ESAB, Dr. P. Kanagavel, Director and Division Head at NIWE, Mr. V. Purushothaman, Technical Architect at Hexaware Technologies, Dr. Balakrushna Sahu, R&D Engineer at Hitachi, and Mr. Venkadesh Thirupathi, Director at Capgemini. Each speaker shared valuable knowledge on topics such as risk management, renewable energy, technology trends, R&D innovations, and data analytics.

Additionally, Mr. Y. Srinivasan, Founder and CEO of Grahas VR, Mr. N.L. Venkatesan, Chairman of SV Consulting Engineers, and Mr. Bhuvan Sundar, Program Manager at Bosch, spoke about virtual reality innovations, engineering solutions, and program management. The event proved to be an enriching experience for the students, helping them connect academic knowledge with real-world industry practices and providing them with essential career insights and guidance.



## Campus-Corporate Conclave (CCC 2K25)





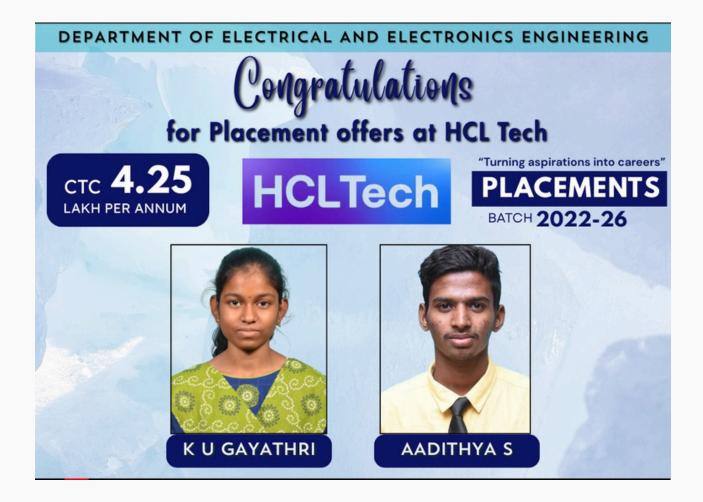






## **PLACEMENT DETAILS**

The Department of Electrical and Electronics Engineering congratulates students on their placements! Your dedication and hard work have paid off. We thank the placement teams, mentors, and industry partners for their support. Wishing you all success in your careers. Congratulations!



## **ELECTRAKAN '25**

On 13th September 2025, our department organized a national-level technical symposium, ELECTRAKAN'25. The event witnessed enthusiastic participation from students of various engineering colleges. A series of technical events were conducted, fostering innovation and knowledge sharing among budding engineers. The symposium served as a dynamic platform for showcasing technical skills and creativity. The winners of various events were honored with a total prize amount of ₹30,000, recognizing their outstanding performance. ELECTRAKAN'25 concluded on a high note, leaving participants inspired and motivated for future technological pursuits.

















## **ELECTRAKAN '25**

## National Level Technical Symposium ELECTRAKAN 2025 held on 13/09/2025 WINNERS LIST

No. of Participants: 358

No. of Colleges Participated: 41

Sl. No.	Name of the Event & No.	I Prize Rs. 3000/-	II Prize Rs. 2000/-	III Prize Rs.1000/-		
	Teams	I Prize Winners	II Prize Winners	III Prize Winners		
Ι	VISION VAULT (60 Teams)	Akshitha B	Devanand Shiva S Samyuktha Dinesh Kumar	Siva Shankar P Shakthivel R Pranav T V Shreya Ashok		
		Sri Sairam Institute of Technology	SRM Institute of Science and Technology	SSN College of Engineering		
II	CLUE CRACKERS (71 Teams)	Stephn J Paul Shyam M R Vignesh Manikandan V	Siva Shankar P Shakthivel R Pranav T V Shreya Ashok	Sibivishnu G Yashwan Sri Hari L Mithra V Sai Krishna J		
		SSN College of Engineering	SSN College of Engineering	SRM Valliammai Engineering College		
Ш	GAME-X-ION (55 Teams)	Sarveshwaran G Bharathwaj B Bala Guru J P	Radha Krishnan K Mohammed Shaffiq M Naresh Kumar L	Hemamalar D Jai Surya D Vigneshwaran J		
		Sri Sairam Institute of Technology	Sri Sairam Engineering College	Sri Sairam Engineering College		
IV	TRAIL BLAZER (84 Teams)	Tarun Aadith A Gnanadurga A Hemnath M	Harini S V Gayathri S Durga Devi E Elakiyasri T S	Manoj Kumar S Jefferson Paul D		
		Meenakshi Sundararajan Engineering College	Kongu Engineering College	Sathyabama Institute of Science and Technology		
V	MATCH-O- HUNT (85 Teams)	Harshavardhan S Someshwar S Pravin P R J Kavineshar K	Tarun Aadith A Gnanadurga A Hemnath M	Praveen Rhithika Shree S Sathana Priya D Harshavardhan N		
		RMK College of Engineering and Technology	Meenakshi Sundararajan Engineering College	SRM Valliammai Engineering College		
	TOTAL PRIZE AMOUNT : Rs. 30,000					

## **TEACHERS DAY CELEBRATION**

On 2nd September 2025, our department celebrated Teachers' Day with student performances and award ceremonies. Students showcased their talents through music, dance, and presentations, while outstanding academic and extracurricular achievements were recognized with awards. The event fostered appreciation for both teachers and students. The program created a joyful atmosphere that strengthened the bond between faculty and learners. It also inspired students to pursue excellence while valuing the guidance of their mentors.















### STUDENT ACHIEVEMENT

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## **BLAZE A TRIAL 2.0**

"Outstanding Performer-Top 16"



#### **Team Members:**

- Mohammed Irfan.M
- Steffin Raj.R
- Jeevanantham.T
- Shivani.C.S
- Sharofin.B.S
- Dinesh Kumar.M

Mentor: Dr.P.Nisha

Won a cash prize of ₹5,000 for the project titled "Research and Redesign a Sports Equipment Commonly Found in the Sports Industry and Utilize Fusion Software to Reimagine its Design."

DATE: 09/09/2025 - 10/09/2025

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## **BLAZE A TRIAL 2.0**

"Outstanding Performer-Top 16"



### **Team Members:**

- Hejeena Daisy.H
- Harinee.M
- Dona Brittes.J
- Bhuvana.V
- Gunal.S
- Sanjay.B

#### Mentor:

Dr.N.P.Gopinath

Won a cash prize of ₹5,000 for the project titled "Smart Tourist Safety Monitoring & Incident Response System using Al, Geo-Fencing, and Blockchain-based Digital ID"

DATE: 09/09/2025 - 10/09/2025

## **VALUE ADDED COURSE**

Value Added Course on "VAC701 - Electronic Design Automation & PCB Designing using ORCAD" was organized from 15th to 19th September 2025. The course was exclusively designed for third-year and final-year EEE students to enhance their practical knowledge in PCB design and automation tools. The sessions were conducted by Mr. Sarin MV, EV System Engineer, and Mr. Joshua Viswas Santhosh, EV Engineer, both from Larsen & Toubro. The five-day program provided hands-on training in ORCAD software, covering circuit design, simulation, and PCB layout. Students gained valuable industry insights and practical exposure, bridging the gap between academic learning and real-world applications. The course was well-received, fostering technical competence and boosting career readiness among participants.



## **VALUE ADDED COURSE**















## **EMPLOYABILITY ENHANCEMENT COURSE**

Our department organized an Employability Enhancement Course titled "Unlock Your Employability with Advanced Security Skills" from 8th to 12th September 2025. The session was conducted by Mr. M. Karthikeyan, Cyber Security Engineer at Zero2Infynite, and was exclusively designed for third-year EEE students. The course aimed to equip students with essential cybersecurity knowledge and advanced skills to boost their employability in the tech industry. Through interactive sessions, real-world insights, and hands-on training, students gained a deeper understanding of current security trends and practices. The program was well-received and proved to be highly beneficial and informative.





## **MENTOR MEET**

Mentor Meet for II Year Students was organized on 18th September 2025. The meet served as an interactive platform where students engaged in one-to-one discussions with their mentors regarding academic progress, career goals, and personal development. Faculty members provided guidance on time management, technical skill enhancement, and participation in co-curricular and extracurricular activities.

The mentors also addressed students' concerns, motivated them to set clear objectives, and encouraged them to actively involve themselves in department activities, technical clubs, and placement training programs. The initiative not only strengthened the bond between students and faculty but also fostered a culture of continuous support, ensuring that students are well-prepared for both academic excellence and future professional challenges.



Our Department actively encourages students to participate in professional society activities as an integral part of their academic journey. These activities create a platform for our students to go beyond the classroom, gaining exposure to emerging technologies, industrial practices, and global engineering trends. Through societies such as IEEE and IEI, our students engage in seminars, technical workshops, paper presentations, project expos, and hands-on training sessions. These initiatives not only enhance technical competence but also nurture essential skills such as leadership, teamwork, communication, and innovation.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERII **IEEE - INDUSTRIAL ELECTRONICS SOCIETY** 







organizes

## CODE TO SIMUALTE

A TECHINICAL EVENT

For EEE students

Outcome: Improved Proficiency in MATLAB program in **Electrical System** 



04 September 2025



01.50 pm - 02.50 pm











DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## **ORGANISES** ATT WISE

an ENSAV Club Event





#### **KEY TAKEAWAYS**

Through this interactive quiz, participants will sharpen their knowledge on energy saving, renewable resources, climate action, and waste reduction while discovering surprising facts that connect everyday habits to global sustainability goals. The fast-paced, game-like format will keep them engaged, allowing them to learn in a fun and memorable way. By the end of the event, participants will not only gain useful ecofriendly tips they can apply in daily life but also feel motivated to adopt smarter energy practices and inspire others to do the same.







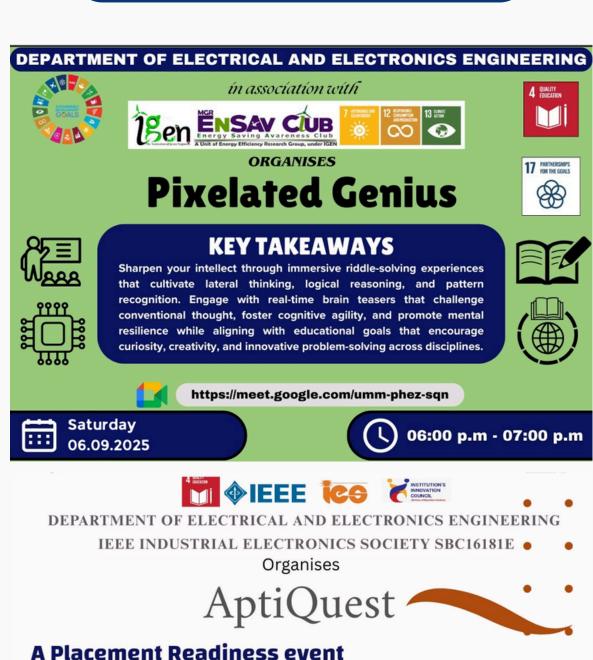


https://meet.google.com/umm-phez-sqn

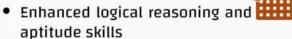




06:00 p.m - 07:00 p.m



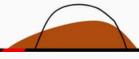
Exclusively for EEE students



12.09.2025, Friday 07:00 PM

















DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## FLASH AND RECALI

ORGANISES

an ENSAV Club Event on the occasion of Engineers Day









**Smart Class Room Department of EEE** 



















DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING **IEEE INDUSTRIAL ELECTRONICS SOCIETY SBC16181E** 



Exclusively for 2nd and 3rd years





TIME 06:00PM - 07:00PM



gjz-vazg-juc

## **ALUMNI TALK**

#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ORGANIZED

### **ALUMNI TALK**

ON

**Balancing Academics and Placement Preparation** 

FOR EEE STUDENTS





DHARUN ANAND S
(Batch 2021-2025)

Associate Software Engineer
BNP PARIBAS



04 September 2025

#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**ORGANIZES** 

## **ALUMNI TALK**

ON

EVOLVING SKILLSETS AND
THEIR INFLUENCE ON CAREER
OPPORTUNITIES

### FOR EEE STUDENTS



07th SEPTEMBER 2025



04.00 p.m - 05.00 p.m



https://meet.google.com/umm-phez-sqn



CHANDRU G
(Batch 2018-2022)
Senior Software Engineer
HCL Tech, Banglore

## **ALUMNI TALK**

#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organized

## **ALUMNI TALK**

Mastering aptitude tests and online assessments

BY

## OUR ALUMNI







**For EEE Students** 



08 September 2025

#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ORGANIZES

## **ALUMNI TALK**

ON

" THE ROAD AHEAD: INDUSTRY TRENDS AND OPPORTUNITIES "

## FOR EEE STUDENTS



14th SEPTEMBER 2025



11.00 a.m - 12.00 p.m



https://meet.google.com/umm-phez-sqn



Sivaprakash S (Batch 2018-2022) Software Engineer/ Cybersecurity Analyst HCL Tech

## **ALUMNI TALK**

#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organized

## **ALUMNI TALK**

ON

**Unlocking Opportunities with Cognizant** 

RY

OUR ALUMNI





LOKESHWAR JAGANATH P K
(Batch 2021-2025)
Program Analyst
Cognizant Technology Solutions

**For EEE Students** 



19 September 2025

#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**ORGANIZES** 

## **ALUMNI TALK**

ON

" PATHWAY TO PLACEMENT: HITACHI ENERGY PREPARATION STRATEGIES"

## FOR EEE STUDENTS



21st SEPTEMBER 2025



11.00 a.m - 12.00 p.m



https://meet.google.com/umm-phez-sqn



Barath Kumar R (Batch 2014 - 2018)

Protection and Commissioning Engineer Hitachi Energy

## **ALUMNI CAREER EMPOWERMENT PROGRAM**

An Alumni of our Department, Mr. Kishore Kumar A 2014-2018 EEE batch delivered an insightful Alumni Career Empowerment Program on Spatial Computing. This intensive, 40-hour training was designed to provide students with extensive knowledge in this cutting-edge field. As the XR - Operations Lead at Zealous Services and the Vice President of the Alumni Association at St. Joseph's Institute of Technology, Mr. Kishore Kumar A shared his expertise and practical insights. The program took place from September 9 to September 13, 2025, and aimed to equip students with the skills necessary to stay competitive in the evolving job market.



## **EDITORIAL**

#### **STAFFS**

### **STUDENTS**

1. Dr. D. Kirubakaran

2. Dr. S. Hemalatha

3. Dr. P. Anbarasan

4. Mr. R. Manivannan

5. Mr. I. Cephas

6. Mr. S. Karthick

7. Dr. P. Nisha

8. Dr. N. P.Gopinath

1. Shriraam R R - (IV Year)

2. Akshiya Priyadharshini S S - (III Year)

3. Anjali Varshika V S - (III Year)

3. Aravind R - (III Year)

4. Divesh K - (III Year)

5. Harinee M - (III Year)



## St. JOSEPH'S INSTITUTE OF TECHNOLOGY

We Make You Shine
(AN AUTONOMOUS INSTITUTION)
OMR, CHENNAI - 119



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Batch Toppers

Upto Sem VI (Batch 2022 - 2026)



KARPPAKAMALAR S 312422105024 9.04



SHARON JULIET P F 312422105047 9.00



AKASH K 312422105004 8.96

### Upto Sem IV (Batch 2023 - 2027)



NIKITHAA KUMAR 312423105046 9.09



BHUVANESHWARI M 312423105010 8.98



JAYAKRISHNAN S 312423105029 8.85

## Upto Sem II (Batch 2024 - 2028)



PRAGADHEESH S 312424105029 GPA 9.08



INDHUJA S 312424105016 GPA 8.92



MAHESHWARI G 312424105020 GPA 8.82



St. JOSEPH'S

OMR. CHENNAI - 119





The Choice of Disciplined Toppers

#### Department of EEE



#### **About College**

- ✓ St. Joseph's Institute of Technology is a higher education institution in OMR, Chennai, India, established in the year 2011 and offers 7 UG programmes CSE, ECE, EEE, IT and MECH and 1 PG Programme Business Administration.
- St. Joseph's Institute of Technology is in its 13th year of educational service, in 2024.
- ✓ Anna University has granted Permanent Affiliation for 4 UG Programmes CSE, ECE, IT and MECH from the year 2020-21.
- Anna University has approved 4 Departments CSE, ECE, IT and MECH as Recognized Centre for Research for offering Ph. D/MS (by research).
- Five courses offered since inception namely B.E. CSE, ECE, EEE, Mech. Engg. & B. Tech. IT have been accredited by NBA in 2017 in a shortest span of 6 years since its establishment, which ascertains the quality of our education.
- ✓ Our College was granted Autonomous status from the year 2022-23 for a period of 10 years.
- Our college has been approved for establishment AICTE Idea Lab one among 95 Labs in India with an investment of Rs.
   1.10 Crore to impart skill based training of our students from First Year onwards.
- Our college secured an All India Rank 134 (by AICTE Internshala) among 2000+ colleges participating in student internships for the year 2023 and 48th Rank out of 249+ colleges participated in South Zone.
- Our graduate outcomes include 80 % of placements in each academic year and 15 % admission to higher studies.
- ✓ For 5 consecutive years, our institution has been awarded with 4 out of 5 stars by the Institutions Innovation Council (IIC), Ministry of Education, Government of India.
- ✓ We are recognized as the "Best Exam Preparatory Centre" for conducting Linguaskill examinations by Cambridge Assessment English.
- ✓ We are consistently awarded "Best Employability Award" every year from 2020 by Aspiring Minds.
- Our institution is approved as a "Skill Development Center" with grant of Rs. 24 Lakhs for establishing Skill Hub under the Pradhan Mantri Kaushal Vikas Yojana (PMKVY 4.0)
- St.Joseph's Institute of Technology is a recognizedRemote center for conducting training programs by IIT Bombay and Nodal center of ISRO-IITs outreach programs to conduct live and interactive courses.
- Ours is a recognized Remote center for conducting training programs by IIT Bombay and Nodal center of ISRO-IITs outreach
  programs to conduct live and interactive courses.
- Our institution is selected under National level "UnnatBharathAbyanProgramme" by MoE Government of India and Skill & Personality Development Program center (SPDP) for SC/ST students by AICTE.
- ✓ We Received a total grant of Rs.21 Lakhs under MSME Idea Hackathon 3.0 (Women) sanctioned by the Ministry of Micro, Small & Medium Enterprises, Government of India.
- Our institution is a recipient of distinguished awards and recognitions namely Innovative Project Award and Youth Conclave Award from INAE, Hackathon Award, IEEE and Premier Institution Award from the Institution of Engineers (India).

