

# SAMPADA

Vol: 10 | ISSUE: 1 | 2022-23 | I SEM Staff Editor: M Sunitha Rani Student Editor: Akanksha Singh Baghel



#### FROM OUR DIRECTOR

"Your self-confidence, ingenuity, and capacity to think outside the box led to the creation of this newsletter. The popularity of digital media has skyrocketed, creating a wealth of new options. That this message would establish a channel of connection with our alumni makes me very happy. I would like to congratulate the entire team and anticipate that this will be a turning point in the digital transformation of the ECE Department.

-Dr. E. Sai Baba Reddy, Director, VJIT

## FROM OUR PRINCIPAL



"Reading about the ECE Department's dedication to giving students the necessary knowledge and keeping records in this newsletter makes me feel good. This newsletter is the beginning of something that will help and direct ECE students in the present and future. This newspaper offers information on the innovations and accomplishments of our students, faculty, and staff, as its name implies. I commend the editorial team on their dedication and hard work in reaching this goal and wish my cherished students the best of luck in their future endeavors.

-Dr. A. Padmaja, Principal, VJIT

## **FROM OUR HOD**

"Sampada highlights the department's efforts sowed and harvested during the previous six months. The department's mission is to educate students to the highest standards possible while utilizing the most up-to-date resources. It also seeks to develop in them a respect for morality and a desire to live moral lives. The Newsletter emphasizes the abilities acquired to better equip students and workers for the constant shifting requirements of society. Looking forward to receiving cooperation for future endeavors."



-Dr. S. Thulasi Prasad , HOD, VJIT

# **DEPARTMENT**

## **VISION OF THE DEPARTMENT**

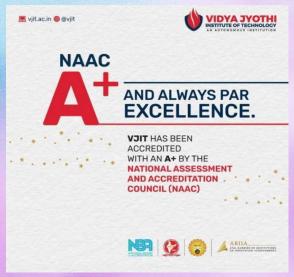
In order to address national and international technical demands while simultaneously advancing human wealth and well-being, the Department of Electronics and Communication Engineering aspires to be a pioneer in the creation of skilled engineers in the field of electronics and associated technologies.

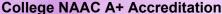
#### MISSION OF THE DEPARTMENT

- Providing infrastructure and a suitable atmosphere for students, faculty, and researchers to build domain knowledge and experience in Electronics and Communication Engineering.
- Allow students to develop into exceptional professionals with high ethical standards who can start, develop, and manage global engineering firms.
- Develop a spirit of lifelong learning through engaging with the outside world and developing communication skills.

#### **VJIT SCALES PEAK**

The Department of Electronics and Communication Engineering takes great pride in improving the ways in which teachers and students learn, communicate, and support one another in shaping the future by embedding incredible talents and innovations in our department through a variety of events. The Department of ECE has added a few feathers to its hat and organized a variety of activities this year.







College NIRF Ranking

# NATIONAL CONFERENCE ON RECENT TRENDS IN ELECTRONICS AND COMMUNICATION ENGINEERING(NCRTECE-2022)

On 8/12/22 and 9/12/22, the Department of Electronics and Communication Engineering hosted the two-day National Conference on Recent Trends in Electronics and Communication Engineering (NCRTECE-2022).

The national conference proceedings were officially issued by the chief guest, Dr. E. Saibaba Reddy, director, Dr. A. Padmaja, principal, and Dr. S. Thulasi Prasad, head of department for engineering. Numerous researchers, academic scholars, and faculty members from various Telangana-based and non-Telangana-based universities have submitted their papers in several tracks at this conference.









## **DEPARTMENT OF ECE AT CANSAT**

CanSat is an initiative of the European Space Agency that challenges students to build a mini satellite, integrated within the volume and shape of a soft drink can. Thousands of students participate every year in CanSat National and European events, where they launch their CanSat on a rocket that goes up to 1km high.

The Department of Electronics and Communication Engineering is the source of all the participants. Lakshya, Madhurima, Pranitha, Nabeel, Spatika, Kunal, and Srikanth were members of the VJIT CANSAT TEAM.



Demonstration





# **ECE DEPARTMENT INNOVATION CLUB**

The "INNOVATION CLUB" was launched by the Department of ECE on January 31, 2023. The club's mission is to encourage students to use design thinking and empathy to find solutions to social and economic issues. Dr. Laxminarayanan Merugu attended the event and gave the inaugural address. The HOD, Dr. S. Tulsi Prasad, listed the current scenario's need for innovations. The principal, Dr. A. Padmaja, emphasized how the innovations could benefit the rural sector. The club's president, Dr. K. Vasanth, shared his perspectives on unconventional thinking.







## **INAUGURATION AND AWARENESS ABOUT IEEE**

On September 20, 2022, the Department of ECE at Vidya Jyothi Institute of Technology held a seminar for ECE students titled "Inauguration of the IEEE Student Branch and Awareness of IEEE and its Benefits." The seminar featured eminent speaker Mr. Sai Kumar Tara, Chairman of the IEEE Hyderabad Section and SAC, who gave a thorough and educational lecture to the students about the significance of IEEE, its place in their lives, and how they will benefit from IEEE.



Additionally, one of our student volunteers, Mr. Sai Anirudh, who has been volunteering for IEEE since his first year of graduation, shared his thoughts on the organization as well as his own experiences as an IEEE member and how much IEEE has helped him personally. Additionally, he exhorted students to participate in voluntary work and reap its benefits by becoming IEEE volunteers.



Spatika Prasad, an ECE student in her third year, has been chosen to represent VJIT at IEEE World, and the department is thrilled to convey this news.

# **TEACHERS DAY CELEBRATION**

Teacher's Day celebration is a special occasion to appreciate and honor teachers for their hard work and dedication.



Mrs SUNITHA RANI- Department of ECE Best Teacher Award



## **PUBLICATIONS**

- K. Reddy Madhavi, Mohd Nasrun Mohd Nawi, B. Bhaskar Reddy, K. Baboji, Kakarla Hari Kishore, S.V. Manikanthan- "Energy efficient target tracking in wireless sensor network using PF-SVM (particle filter-support vector machine) technique" / 2023 / IJ / Measurement: Sensors / Vol. 26 / 2665-9174 / Scopus / Faculty.
- Shivunoori Gayathri, Shuvanka Maji- "CARRY SKIP ADDER USING REVERSIBLE LOGIC GATES" / 2023 / IJ / International Journal of Creative Research Thoughts (IJCRT) / 11 & 1 /a681-a692/Jan 2023 / 2320-2882 / UGC / Student.
- Sridhar, V., Ranga Rao, K.V., Hussain, S., Abdelhaq, M., Alsaqour, R.- "Multivariate Aggregated NOMA for Resource Aware Wireless Network Communication Security" / 2023 / IJ / Computers, Materials and Continua / Tech Science Press / 74&1/1693–1708/Jan 2023 /1546-2226 / SCI,WoS,Scopus / Faculty.
- Pothula Venkata Sai Krithik, Madabhushi Tirumala Adarsh Raghavan, Kundeti Sai Pratyusha, Vasanth K- "Feature Identification based Automatic Sign and Photo Detection in a Document" / 2022 / IC / 4th International Conference on Inventive Research in Computing Applications (CIRCA 2022) / IEEE / Dec 2022 / 978-1-6654-9707-7 / Scopus / Students.
- Rani Fathima, Srideviponmalar Perumal, Vadivel Muniyappan, Mohammad Faseehuddin, Worapong Tangsrirat- ""Electronically Tunable Multifunction Current Mode Filter Employing Grounded Capacitors" / 2022 / IJ / Journal of Microelectronics, Electronic Components and Materials / Society for Microelectronics, Electric Components and Materials / Vol. 52 & No. 4/ 205 214/Dec 2022 / 2232-6979 / WoS, Scopus / Faculty.
- Elizabeth M Ribitha, M Vadivel- "Design and Analysis of Flexible 2-Port MIMO Antenna with Reflector Ground for WLAN Applications" / 2022 / IC / International Conference on Intelligent Innovations in Engineering and Technology (ICIIET 2022) / IEEE / Dec 2022 / 978-1-6654-5653-1 / Scopus / Faculty.
- G. Mounika, K Vasanth- "45nm Technology based 8-Bit Data Comparator Architecture for Rank ordering Image Applications" / 2022 / IC / International Conference on Edge Computing and Applications (ICECAA 2022) / IEEE / Nov 2022 / Scopus / Student.
- B Navya, J Sridevi, K. Vasanth- "Modified Geometric Mean as an Estimator of Outlier based Artifacts in Natural Images" / 2022 / IC / 3rd International Conference on Smart Electronics and Communication (ICOSEC 2022) / IEEE / Nov 2022 / 978-1-6654-9764-0 / Scopus / Student.
- Vydya Ram Prasad, G Ravi Kishore- "Ternary D-Latch Logic Implementation using Graphene Nanoribbon Field Effect Transistor" / 2022 / IJ / International Journal of Creative Research Thoughts (IJCRT) / 10 & 11 /a201-a207/Nov 2022 / 2320-2882 / UGC / Student.
- Jangala Eshwari, Dr.Vadivel- "SMART HEALTH MONITORING SYSTEM USING ESP8236" / 2022 / IJ / The International journal of analytical and experimental modal analysis(IJAEMA) / IJAEMA / XIV&X/652-655/OCT 2022 / 0886-9367 / UGC / Student.
- MC Shanker, M Vadivel- "Micro calcification detection in digital mammograms using deep learning approaches" / 2022 / IC / AIP Conference Proceedings / AIP / 2519&1/030086-1 to 030086-9/Oct 2022 / 978-0-7354-4204-7 / WoS, Scopus / Faculty.

## **FACULTY FDPs AND NPTEL DATA**

- Dr. Shuvanka Maji has attended a 5 days FDP on Recent Trends in IoT from 06/06/2022 to 10/06/2022 at Mahatma Gandhi Institute of Technology.
- Mrs. Rehana Farheen has attended a 2 week FDP on C Programming from 20/06/2022 to 01/07/2022 at Vidya Jyothi Institute of Technology.
- Dr. Killadi Baboji has attended a 1.5 week FDP on Control Engineering from 01/07/2022 to 01/10/2022 at NPTEL.
- ❖ Dr. Jyoti Prasanna Patra has attended a 1.5 week FDP on Estimation for MIMO/OFDM from 01/07/2022 to 01/10/2022 at NPTEL.
- Mr. Rajashekar K has attended a 1.5 week FDP on Introduction to IoT from 01/07/2022 to 01/10/2022 at NPTEL.
- ❖ Mrs. Lalitha Sowmya has attended a 1.5 week FDP on Problem Solving Through Programming in C from 01/07/2022 to 01/10/2022 at NPTEL.
- Mrs. Jaya Lakshmi A has attended a 1.5 week FDP on Problem Solving Through Programming in C from 01/07/2022 to 01/10/2022 at NPTEL.
- Dr. Vadivel has attended a 1.5 week FDP on Problem Solving Through Programming in C from 01/07/2022 to 01/10/2022 at NPTEL.
- ❖ Mr. Shaik Maznu has attended a 1.5 week FDP on Problem Solving Through Programming in C from 01/07/2022 to 01/10/2022 at NPTEL.
- Dr. Vasanth has attended a 1.5 week FDP on Problem Solving Through Programming in C from 01/07/2022 to 01/10/2022 at NPTEL.
- ❖ Dr. Ganesan has attended a 1.5 week FDP on Problem Solving Through Programming in C from 01/07/2022 to 01/10/2022 at NPTEL.
- Mr. Mirza Sajid Ali Baig has attended a 3 days FDP on Recent Innovations in Antennas and RF Front End Systems for 5G from 28/07/2022 to 30/07/2022 at Chaitanya Bharathi Institute of Technology.
- Mr. S. Pradeep Kumar Reddy has attended a 1 week FDP on Big Data Computing from 01/08/2022 to 01/10/2022 at NPTEL.
- Mrs. E. Kavitha has attended a 1 week FDP on Big Data Computing from 01/08/2022 to 01/10/2022 at NPTEL.
- Mr. CH. Sandeep has attended a 1 week FDP on Big Data Computing from 01/08/2022 to 01/10/2022 at NPTEL.
- Mrs. Tarangini has attended a 1 week FDP on Big Data Computing from 01/08/2022 to 01/10/2022 at NPTEL.
- Mrs. Lalitha Sowmya has attended a 2 day FDP on IEEE WIE International Leadership Summit 2022 from 26/08/2022 to 27/08/2022 at Marigold Hotel, Hyderabad.
- Mrs. Rehana Farheen attended a 1 day Seminar on Research Publications-Beginners approach on 27/08/2022 at R & D Cell, ECE, VJIT.
- Mr. Mirza Sajid Ali Baig has attended a day Course on The Complete Python Bootcamp from Zero to Heroin Python on 10/02/2023 using Udemy.

## NPTEL CERTIFICATIONS



## Elite

# NPTEL Online Certification (Funded by the MoE, Govt. of India)





#### This certificate is awarded to JAYA LAKSHMI ATHUKURI

for successfully completing the course



#### **Problem Solving Through Programming in C**

with a consolidated score of 88

25/25 Proctored Exam

38/50

Total number of candidates certified in this course: 2015

Jul-Oct 2022 (12 week course) ebjani Chakrab



Indian Institute of Technology Kharagpur

Online Assignments 24.94/25 Programming Assignment





No. of credits recommended: 3 or 4



# **NPTEL-AICTE**Faculty Development Programme



This certificate is awarded to



for successfully completing the course

#### **Problem Solving Through Programming in C**

with a consolidated score of 70 %





Roll No: NPTEL22CS101S33694759

Duration of NPTEL course: 12 Weeks

F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



## **NPTEL-AICTE Faculty Development Programme**



(Funded by the MoE, Govt. of India)

This certificate is awarded to

## **LALITHA SOWMYA M**

for successfully completing the course

#### **Problem Solving Through Programming in C**

with a consolidated score of 65 %





Roll No: NPTEL22CS101S43691767

Duration of NPTEL course: 12 Weeks

## **INDUSTRIAL VISIT**

A One Day Industrial Visit to "Meteorological Center" conducted by the Dept of ECE, VJIT, Hyderabad on 20-10.2022.







# **Objectives of industrial visit:**

- To expose the participants in emerging technologies in the areas of Radar and RF Applications.
- To get familiarity with the applications of Radar (Like weather predictions).
- Study of the weather prediction manually.

## **Industrial Visit Team:**

Mrs Kavitha and Mr Sandeep, IV ECE-D Section students.

#### **INTERNSHIPS**

- Teddu Laxmi and thirty three others have completed their internship at Cognizant.
- Aluri Shravani and fifteen others have completed their internship at Accenture.
- Javvaji Vishnu Kumar and twenty others have completed their internship at Wipro.
- Gollamudi Sai Likhitha and twenty five others have completed their internship at Capgemini.
- Annamaneni Druvi has completed her internship at Techigia.
- Vanga Srikrishnaveni and two others have completed their internship at Swecha.
- Mangipudi Rohit has completed his internship at BSNL.
- Madugula Srivani and three others have completed their internship at Hexaware.
- Gonnuru Akhila Sai Reddy and four others have completed their internship at Verzeo.
- Shettukadi Sowmya and three others have completed their internship at Virtusa.
- Sharath Kumar Pakanati has completed his internship at KPIT.
- Muthyala Kavya has completed her internship at NEO.
- Gopaliya Prachita Singh has completed her internship at Smart Knowyer.

# Capgemini

Capgemini Technology Services India Limited (Formerly known as IGATE Global Solutions Limited) IT 1, IT 2, Airol MIDC, Thane - Belapur Road, Nawi Mumbai 400708, Maharashtra, India. Tel: +91 22 7144 4283 | Fax: +91 22 7141 2121

Superset ID: 1204909

Letter of Intent ("LOI")

Dear P Deekshitha,

With reference to your interview conducted by us, we are pleased to inform that you have been shortlisted for the position of Analyst and A4 with Capgemini Technology Services India Limited (hereinafter referred to as "Capgemini").

In this regard, we are proposing compensation package and benefits, the details of which are set forth in **Annexure 1** to this letter.

The final Employment Offer Letter shall be subject to your successful completion of all curricular requirements as laid down by the University! Institute for award of the degree/ diploma and the minimum passing percentage/ grade/ rank/ class as determined by Cappemini.

The location of your initial reporting and training and the date of your joining would be communicated to you in due course of time post successful completion of your pre-joining trainings and final semester degree/ diploma examination.

The date of joining and the location of posting will be purely based on business requirements of Capgemini. Capgemini solely reserves the right to make any changes to the date of joining and the location of posting during the course of your training and employment with Capgemini.

Upon accepting this LOI, you will be provided access to the ADAPT (Accelerated Digital Aid for Preonboarding Talent) eLearning platform which allows you to learn and master the concepts and skills required to be industry ready. The learning will be a self-paced journey inclusive of assignments, assessments and webinars as deemed appropriate by Capgemini and the successful completion of the same is a prerequisite for ioining Cappemini.

It is very essential that you effectively leverage this platform to complete the courses and clear the assignments and assessments. The progress made by you in this learning journey would not only help you in getting on-boarded on priority but also help you to be trained for advanced skills relevant to your career at Cappemini. We also encourage you to learn beyond the prescribed course curriculum and acquire industry recognized certifications to accelerate your career in this competitive industry.

# Capgemini

Capgemini Technology Services India Limited (Formerly known as IGATE Global Solutions Limited) IT 1, IT 2, Ard MIDC. Thane - Belapur Road, Navi Mumbai 4002/96, Maharashtra, India. Tcl: +91 22 7144 4283 | Fax: +91 22 7141 2121 www.capgemini.com/in-en

Superset ID: 1200870

Letter of Intent ("LOI")

Dear Kundeti Pratyusha,

With reference to your interview conducted by us, we are pleased to inform that you have been shortlisted for the position of Analyst and A4 with Cappemini Technology Services India Limited (hereinafter referred to as "Cappemini").

In this regard, we are proposing compensation package and benefits, the details of which are set forth in Annexure 1 to this letter.

The final Employment Offer Letter shall be subject to your successful completion of all curricular requirements as laid down by the University/ Institute for award of the degree/ diploma and the minimum passing percentage/ grade/ rank/ class as determined by Capgemini.

The location of your initial reporting and training and the date of your joining would be communicated to you in due course of time post successful completion of your pre-joining trainings and final semester degree/ diploma examination.

The date of joining and the location of posting will be purely based on business requirements of Capgemini. Capgemini solely reserves the right to make any changes to the date of joining and the location of posting during the course of your training and employment with Capgemini.

Upon accepting this LOI, you will be provided access to the ADAPT (Accelerated Digital Aid for Preonboarding Talent) eLearning platform which allows you to learn and master the concepts and skills required to be industry ready. The learning will be a self-paced journey inclusive of assignments, assessments and webinars as deemed appropriate by Capgemini and the successful completion of the same is a prerequisite for joining Capgemini.

It is very essential that you effectively leverage this platform to complete the courses and clear the assignments and assessments. The progress made by you in this learning journey would not only help you in getting on-boarded on priority but also help you to be trained for advanced skills relevant to your career at Capgemini. We also encourage you to learn beyond the prescribed course curriculum and acquire industry recognized certifications to accelerate your career in this competitive industry.

## **PLACEMENTS**

Total Number of Companies Visited On Campus: 60

Total Number of Companies visited Off Campus: 17

Number of Placements Offered: 368 (Multiple: 368 Unique: 178)

Average Salary: 4,15,225.

Off-Campus Percentage: 1.1 %

On-Campus Percentage: 98.9 %

S.No	Stream	Students Registered	Students Placed	Students Not Placed	Avg Salary LPA	Highest Salary LPA	Lowest Salary LPA	Placed %
1.	B.Tech ECE	181	178	3	415225	12 LPA	1.1 LPA	98.34

## **RECRUITMENTS AT GLANCE**

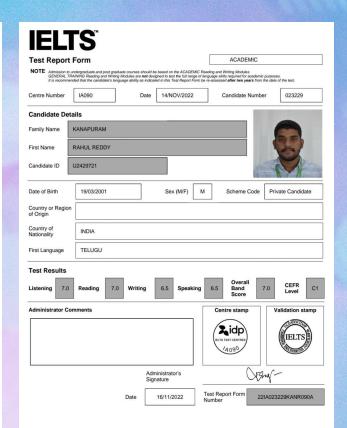
- Wipro
- Cognizant
- Capgemini
- Addod Solutions
- Accenture
- Virtusa
- Mphasis
- \* TCS
- ACS Solutions

## **HIGHER STUDIES**

- Abdul Ahad Mohammad- Wichita State University, US
- Sravya Ravikanti- University of North Texas, US
- M. Pranay Teja Reddy Maddur- Fitchburg State University, US
- Anirudh Kumar Reddy Kuchuru- Governors State University, Chicago
- Nived Kumar Dammalapati- University of North Texas, US
- Afnan Ali Mohammad- GRE
- Kavitha Goud Kothapeta- GRE
- Shaheed Basha Shaik- IELTS
- Rahul Reddy Kanapuram- IELTS
- Sai Praneeth Vella- IELTS

## **COMPETITIVE EXAM CERTIFICATES**

Test Report	Form			ACADEMIC	
NOTE Admission to GENERAL TI It is recomme	indergraduate and post gradu AINING Reading and Writing inded that the candidate's lang	ate courses should b Modules are <b>not</b> des uage ability as indicar	e based on the ACADEMIC Res igned to test the full range of lan ted in this Test Report Form be	ading and Writing Modules. Iguage skills required for academic pre- re-assessed <b>after two years</b> from th	surposes. e date of the test.
Centre Number	IN855	Date	08/OCT/2022	Candidate Number	464361
Candidate Det	ails			hit	
Family Name	VELLA				
First Name	SAI PRANEETH				00
Candidate ID	W0603958				
Date of Birth	05/03/2000		Sex (M/F) M	Scheme Code	Private Candidate
Country or Regior of Origin	E				
Country of Nationality	INDIA				
First Language	TELUGU				
Test Results					
Listening 6.5	Reading 6.5	Writing	6.5 Speaking	7.0 Overall Band 6. Score	.5 CEFR Level B2
Administrator Co	mments			Centre stamp	Validation stamp
				LELTS TEST CENTRES	(ELTS)
			1 1		
			ninistrator's nature	Q592	w-



#### GRE.

#### TEST TAKER SCORE REPORT Note: This report is not valid for transmission of scores to an institution

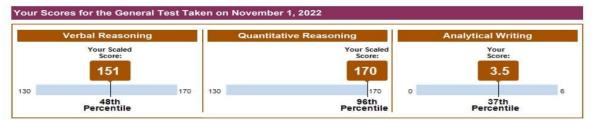
# Afnan ali Mohammed

Address: H NO 4-2-16 Esakhan bagh, Near telephone exchange Road, Vikarabad, 501101 India

Email: afnanali1702@gmail.com
Phone: 91-9177800314
Date of Birth: December 25, 2001
Gender: Male
Intended Graduate Major: Undecided (0000)

#### Most Recent Test Date: November 1, 2022

Registration Number: 1640188 Print Date: November 10, 2022



#### Your Test Score History

**General Test Scores** 

	Verbal Re	asoning	Quantitative Reasoning		Analytical Writing	
Test Date	Scaled Score	Percentile	Scaled Score	Percentile	Score	Percentile
November 1, 2022	151	48	170	96	3.5	37



#### TEST TAKER SCORE REPORT

Note: This report is not valid for transmission of scores to an institution. Most Recent Test Date: October 2, 2022

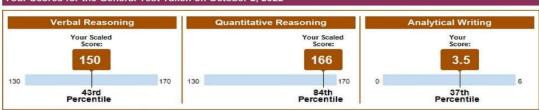
#### Pranitha Goud Kothapeta

Address: 9-19/2 Madhavi nagar colony, Hydershakote near Grampanchayat, Hyderabad, 500091 India

Email: kothapetapranitha2112@gmail.com Phone: 91-7032375060 Date of Birth: December 21, 2001 Gender: Female Intended Graduate Major: Undecided (0000)

Registration Number: 1548182 Print Date: January 12, 2023

#### Your Scores for the General Test Taken on October 2, 2022



#### Your Test Score History

#### **General Test Scores**

	Verbal Re	asoning	Quantitative Reasoning		Analytical Writing	
Test Date	Scaled Score	Percentile	Scaled Score	Percentile	Score	Percentile
October 2, 2022	150	43	166	84	3.5	37

IELT	<b>'S</b> "	
Test Report I		ACADEMIC
GENERAL TRA	dergraduate and post graduate courses should be based on the ACADEMIC F INNNG Reading and Writing Modules are <b>not</b> designed to test the full range of led that the candidate's language ability as indicated in this Test Report Form I	language skills required for academic numoses.
Centre Number	IA008 Date 21/OCT/2022	Candidate Number 041482
Candidate Deta	ils	
Family Name	SHAIK	
First Name	SHAHEED BASHA	
Candidate ID	26903357	
Date of Birth	27/01/2002 Sex (M/F)	Scheme Code Private Candidate
Country or Region of Origin		
Country of Nationality	INDIA	
First Language	HINDI	
Test Results		
Listening 8.0	Reading 8.0 Writing 7.0 Speaking	Overall Band Score 7.5 CEFR Level C1
Administrator Cor	nments	Centre stamp Validation stamp
		ELTS TEST CENTRES
	Administrator's Signature	OF Gray-
	Date 27/10/2022	Test Report Form 22IA041482SHAS008A Number