



**Madurai Kamaraj University**  
**RASHTRIYA UCHCHATAR SHIKSHA ABHIYAN (RUSA)**  
Entrepreneurial, Innovation, Skill and Career Hub  
**SKILL DEVELOPMENT COURSE**



**BOOTCAMP ON IELTS**  
*International English Language Testing System*

**Four Days IELTS bootcamp at Madurai Kamaraj University!!!**

**COURSE OBJECTIVES:**

- To introduce the students to IELTS exam
- To acquaint the students with four section of IELTS
- To enable the students to understand the benefits of IELTS in academic and career
- To prepare students to take the exam and reach high band score



Attain your dream score  
in IELTS  
Test !

**HIGHLIGHTS OF THE COURSE:**

- ✓ This course is mainly for students who is new to IELTS
- ✓ Focused on improving the band score.
- ✓ You will be trained thoroughly with lots of practices.
- ✓ Mock test and practices will be covered in the classes.

**Date: 05<sup>th</sup> June 2024 – 08<sup>th</sup> June 2024**

**Venue:** RUSA Computer Lab, RUSA Entrepreneurship Hub,  
Madurai Kamaraj University

**Duration:** 40 Hours

**To register - <https://forms.gle/89J8qjky19yYEexp7>**

**Course Tutor:** Ms. S. Laxmi Durga, MKU-RUSA Trainer

**MADURAI KAMARAJ UNIVERSITY  
RUSA**

**International English Language Testing System (IELTS)**

**TOTAL HOURS: 40**

***Course Content***

<b>Introduction:</b>			
1. Understanding IELTS			
2. Four Sections			
<b>Listening</b>	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
3. Introduction	4. Introduction	5. Introduction	6. Introduction
7. Understanding Categories in Conversation	8. Popular Phrases	9. Features of Reading Passage	10. Report Writing
11. Paraphrase	12. Grammatical Range and accuracy	13. Skimming	14. Useful Phrases
15. Labelling Key Points	16. Useful idioms	17. Paraphrase the passage	18. Letter Writing
19. Understanding action or process	20. Precise language	21. Discursive passages	22. Tricks to identify the type of letter
23. Identifying main ideas in a Lecture or Talk	24. Fluency	25. Locating information	26. Create a perfect letter
27. Signposting words	28. Strengthen your lexical resource	29. Clear understanding of the question	30. Vocabulary
31. Strategy Application	32. Practising Ice-breaking sessions	33. Writers purpose	34. Essays
35. Understanding how ideas are connected	36. Showcase your confidence	37. Dealing with multiple text	38. Essays – Types of Questions
39. Live Listening 1	40. Speak without pauses	41. Argumentative texts	42. Planning, Organizing and Executing your ideas
43. Live Listening 2	44. Nailing your talk	45. Understanding text	46. Grammatical Accuracy
47. Live Listening 3	48. Demo session	49. Various passages for exercise	50. General Training on Writing



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(National Higher Education Mission)

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## SKILL DEVELOPMENT COURSE Crash Course on Networking and DevOps

### COURSE OBJECTIVES:

- ❖ To understand computer hardware plural and their functionalities.
- ❖ To develop experience in Linux Operating System to increase the understanding of computer hardware and software integration
- ❖ To develop knowledge on Networking and computer inter-connection and communication
- ❖ To introduce the field of DevOps which is widely used in IT infrastructure to maintain Stability, Reliability & Zero down time environment for their services.

### HIGHLIGHTS OF THIS COURSE:

- ✓ This course is suitable for experienced and non-experienced individuals who are interested in computer science
- ✓ This course develops deep understanding in computers and networking
- ✓ This course includes basic skills which are needed in IT infrastructure

**Date: 12<sup>th</sup> June 2024 – 15<sup>th</sup> June 2024**

**Venue:** RUSA Computer Lab, RUSA Entrepreneurship Hub,  
Madurai Kamaraj University

**Duration: 40 Hours**

**To register - <https://forms.gle/rBXXXxkrn5k4sKqd6>**

**Course Tutor: Mr. Naveen Varma, MKU-RUSA Trainer**



# COURSE CONTENT

TOPICS	CONTENT
HARDWARE DECODED	Building blocks of the computer – Core Components and Architecture – Memory system – Storage Technologies – Motherboard components - Interfaces and Connectors – system assembly and maintenance understanding computer working principles .
UNDERSTANDING LINUX	Introduction to Linux – History of Linux – Basic commands and uses – File system – File permissions– Packet management – Daemons – Processes
BASIC NETWORKING	Introduction – Types of network – Network topologies – Network models – Ethernet and LAN technologies –OSI layer – types of IP address – Subnetting
DevOps	Introduction –GitHub –Hypervisors – Containers – Introduction to Docker – installation and setup – container orchestration – container networking – volumes – introduction to Kubernetes – Cluster creation and deployment – cluster maintenance and administration – CI/CD pipeline with github



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## SKILL DEVELOPMENT COURSES

### CLOUD COMPUTING



#### Course Objectives:

- To learn how to use cloud services
- To implement cloud service provider resources
- To implement virtualization using cloud service provider Accounts
- Explore AWS, Azure, Google Cloud Platform(GCP) services for networking, compute, storage, databases and monitoring.
- Learn the process of designing optimal IT solutions using the cloud services based on real-life scenarios.

**Date:** 19<sup>th</sup> June 2024 – 22<sup>th</sup> June 2024

**Venue:** RUSA Computer Lab, RUSA Entrepreneurship Hub,  
Madurai Kamaraj University

**Duration:** 40 Hours

To register - <https://forms.gle/Qrg2NQVBqASAtq7e8>

#### Job Opportunities

- Cloud Engineer
- Cloud Architect
- Cloud Practitioner
- Cloud Administrator
- Cloud Developer

#### Cloud based Companies

- ✓ Drop box
- ✓ IBM
- ✓ Amazon
- ✓ Google
- ✓ Microsoft

**Course Tutor:** Mrs. Manilakshmi A, MKU-RUSA Trainer

## COURSE CONTENT

TOPICS	CONTENT
<b>Introduction to Cloud Computing &amp; AMAZON EC2,EBS,EFS,FSX</b>	Cloud Computing introduction-Deployment and Service Model-AWS Suite-Virtualization in AWS-AWS vs Azure Vs GCP- Xen Hypervisor-Aws Account Creation-Steps- Introduction to EC2Regions and Availability Zones-EC2 Instance Types-What is an AMI-Introduction to EBS- Introduction to EFS-AWS FSx
<b>Introduction To IAM ,Cloud Watch &amp; Elastic Load Balancer</b>	Introduction to IAM-IAM Features and MFA-IAM Policies- IAM Permissions and Roles- Introduction to Cloud Watch - AWS STS-Metrics and Namespaces-Dashboard and Cloud Watch Alarms-Introduction to Elastic Balancer-Types of ELB: Classic, Network, Application and Gateway- Route 53
<b>Virtual Private Cloud (VPC) &amp; AWS Lambda and Beanstalk ,Organizations &amp; Migration</b>	Introduction to VPC-Components of VPC-Security in VPC- Subnets-VPC Peering-VPC Endpoints-Cloud Formation Basics & AWS Lambda, Elastic Beanstalk-AWS Organizations & Migration
<b>Introduction to Microsoft Azure &amp; Networking</b>	Introduction to Microsoft Azure and ARM- Resource Groups-Azure Storage Accounts-Azure Blobs-Azure Virtual Machines-Backups and Lifecycle Management Policies- Azure VNet-Azure Subnets -Network Security Groups- Azure Service Tags
<b>Azure Load Balancer ,Active Directory &amp; Monitoring</b>	Azure Load Balancer and It' s Types-Application &VPN Gateway-Azure Site-to-Site Connection-Azure Express Route-Access Management-Windows AD vs Azure AD- Azure Metrics-Azure log Analytics-Azure Kubernetes Service
<b>Google Cloud Platform(GCP)</b>	Introduction to GCP-Cloud VPN-Cloud IAM-Service Account-Compute Engine- GCP Storage-Spanner, Big table, data store & Cloud Deployment- Bigdata, BigQuery, Cloud DataProc-Cloud Data Prep by Trifacta