# Information and Communication Technology (ICT)

# Skill

# **Software User Manual**

## Version 1.4





Developed by

# M. Kumarasamy College of Engineering

## Karur 639113, Tamil Nadu, India

Release Date : 01 July 2019

## Information and Communication Technology (ICT) Skill Software

(ICT Skill Software - USER MANUAL)

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#### 1. About ICT Skill Software

ICT Skill is a Web Based Online Technical and Aptitude Practice Tool.

- 1.1 ICT Skill Software was developed based on the broad guidelines provided by the National Mission on Education through ICT under the Ministry of Human Resource Development. Government of India.
- 1.2 ICT Skill Software:
  - Plays a vital role in building technical competency among teachers and students. It gives exposure to the students to learn the course using the Internet. It is a Self-learning practice tool.
  - Is an auto evaluation tool used for students and faculty to learn and acquire technical skills and aptitude using their smart phones / Tabs / Laptops etc. Its features of providing hints after answering can reemphasize or relearn wrongly learnt concepts.
  - Allows student learners to register for a course and learn. It also facilitates faculty members to monitor and track the learner's performances and generate reports
  - Contains around 1.5 lakh aptitude (both technical and generic problems/questions across various disciplines of engineering, science and management streams. [Refer Annexure – I]
  - It has three levels of learning complexity based on Bloom's taxonomy and it bridges skill gap between industry and academia.
- 1.3 ICT Skill Software has the following advantages:
  - Prepare Learners to develop Speed and Accuracy in identifying solutions to problems/questions.
  - o Old GATE/IES/GRE/GMAT and other competitive exam questions are also pooled into the database.
  - o Learners can try different question sets to solve a problem and develop broad knowledge spectrum
  - o Learners develop accuracy and speed and also avoid mistakes and errors both in coding and logic
  - They have faster processing times, there's no room for subjectivity.
  - One can ask more questions, as it takes less to time to complete a multiple choice question compared to an open question
  - o Respondents don't have to formulate an answer but can focus on the content
  - Well-written questions can move students to higher-order thinking, such as application, integration, and evaluation.
  - Allows for inclusion of a broad range of topics on a single exam thereby effectively testing the breadth of a student's knowledge.
- 1.4 ICT Skill Software also integrates the best learning practices followed in MKCE :

0	Critical Thinking	0	Analytical Reasoning	0	Reflective Thinking
0	Problem Solving	0	Scientific Reasoning	0	Design thinking

1.5 ICT Skill Software supports the following Learning Paradigms:

0	Definition Based Learning	0	Virtual Learning	0	Progressive Inquiry Learning
0	Problem Based Learning	0	Inquiry Based Learning	0	Self-Learning
0	Flipped Class Learning	0	Life Long Learning	0	Online Learning

#### 2. Administrator (Role)

The ICT Skill is an Aptitude and Skill Proficiency Practice Tool. We can View the available modules, category, topics and the questions count.

MODULE	CATEGORY	TOPICS	QUESTIONS
2	3	5	3,539
	/		
Add Module / Categ	gory / Topic		
Add Question			

**2.1 Add Module/Category/Topic:** Type module name, category name and topic name by clicking add button in add module/category/topic. It is listed below (i.e. topic list)

re   tic.mkce.ac.in/ictskill/login/admin	ve 🗙 🖌 ICT SKILL - PHP - Google Dr n/addcategory/ tlc.mkce.ac.in says Information successfuly updated		× 🚺 [2020 Tips]	Take Screenshots 🗧 🗙
Module Name Computer Science Right	Category Name Programming Languages Right	Topic Name Cpp Right	_	ADD
Add Category	Category Name Type Here	Topic Name Type Here		ADD

e   tic.mkce.ac.in/ic	tskill/login/admin/add	dcategory/					
Topics Avai	ilable						Search:
Topic ID 🔺	Topic Name 🔅	Category Name 👙	Module Name	L1 🔶	L2 🔅	L3 🔅	Total 🍦
101	Compiler	Category Name     Operating System	Module Name	<b>L1</b> ≑ 651	<b>L2</b> 110	L3 🔅	Total 🔅
101	Compiler	Operating System	Information Technology	651	110	107	868
101 102	Compiler Linux	Operating System Operating System	Information Technology	651 631	110 151	107 113	868 895
101 102 103	Compiler Linux Unix	Operating System Operating System Operating System	Information Technology Information Technology Information Technology	651 631 598	110 151 80	107 113 63	868 895 741

**2.2 Adding Questions:** Now you need to add questions to each level based on your requirement. To add questions, the following operations are needed to performed:

- o Generate files as cpp.csv (doesn't exceed 300kb).
- Inside the files specify which level the questions are added. For example, cpp.csv contains 1000 questions, we need to specify in cpp.csv file that level 1 contains 700 questions, level 2 contains 200 questions and level 3 contains 100 questions.
- Upload cpp.csv file by selecting category and topic

	o colle 🗙 🛛 🙆 ICT SKILL - PHP - Google Drive 🔅		× 📀 Portal 1	X [2020 Tips]   Take Screenshots C
I'm Admin (ICT SKILL)	) J	tlc.mkce.ac.in says Do want to upload cpp.csv (270.13	KB) ?	
			OK Cancel	
	Import Questions			
	Category Programming Languages		Topic Cpp	
	Level		No.of Characters to Remove in Prefix (1)	2133
			_	
	cpp X Enter a tag		FILE cpp.csv	
				IMPORT CSV

Now questions added to each level are listed in your topic list

Question :1022 Successfully Add	ded		
Question :1023 Successfully Add	ded		
Question :1024 Successfully Ad	ded		
Question :1025 Successfully Add	ded		
Question :1026 Successfully Add	ded		
Question :1027 Successfully Add	ded		
Question :1028 Successfully Ade	ded		
Question :1029 Successfully Add	ded		
Question :1030 Successfully Ad	ded		
Question :1031 Successfully Add	led		
Question :1032 Successfully Add	ded		
Question :1033 Successfully Ado	ded		
Question :1034 Successfully Ad	ded		

2.3 View/Edit Question: If you want to edit/view questions, the following steps are needed to performed

- o Select category and topic
- o Click View button
- It returns all the questions presented in the topic.
- Click Edit button to edit any question if needed

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ure   tlc.mkce.ac.in/ictskill/login/adm	in/viewquestion/			
View Questions				
Category	Topic			
Programming Languages	• Срр		•	VIEW
LEVEL 1 1088	LEVEL 2 230	LEVEL 3 104	тотаL 1422	
CSV Sr.No. A Qu	estion ID 🔶	Question Name	Level \$	Search: Action \$
1 14	10610001	Question 1	1	/ ×

		Question Name	Level	Action
1	1410610001	Question 1	1	×
2	1410610002	Question 2	1	×
3	1410610003	Question 3	1	× ×
4	1410610004	Question 4	1	<ul> <li>×</li> </ul>
5	1410610005	Question 5	1	×
6	1410610006	Question 6	1	×
7	1410610007	Question 7	1	× ×
8	1410610008	Question 8	1	×
9	1410610009	Question 9	1	×

#### 2.4 Assessment / Test Section:

- o Enable/Disable student test login
- o View Online Users
- o Collect Class-wise, Department-wise and Student-wise Report

I'm Admin (ICT Sł	(ILL)	ICT SKILL		My Profile Logout
	Test Section			
	Student Test Login		Disabled Enabled	
	FACULTIES	STUDENTS TOTAL USERS	ONLINE USERS	
	1	1 2	0	
	Reports			
	Reports Indivdual Student Statistics Department Statistics			

**2.5 Edit Profile:** If you want to change password, go to My Profile -> type new password -> Click Update button. Now password is updated successfully

a 🗙 🕇 🝐 ICT SKILL - PHP - Google Drive 🗙 🕇 📥 ICT S	SKILL - PHP - Google Drive 🗙 🥑 Portal 1	× [] [2020 Tips]   Take Screenshots o
e   tlc.mkce.ac.in/ictskill/login/admin/profile/		
My Profile		
Your Account is protected by the password au password contains a mix of numbers, letters, a account.		
Password	Confirm Password	
Type Here	Type Here	
First Name	Last Name	
Admin	ICT SKILL	
Department		
KRGI		
Email ID	Mobile	
sample@mail.com	1234567890	
		UPDATE

#### 3. Coordinator (Role)

The role of a Coordinator is described in the sections to follow.

3.1 Question Section: View the available category, topic and questions count

	ICT SKILL		
Question Section			
CATEGORY	TOPICS	QUESTIONS	
4	6	4,961	
Test Section			
Test Section			
Test Section			
Test Configuration			

#### 3.2 Assessment / Test Section:

- O Create Faculty,
- O Enter faculty id and name, choose department, year and section -> click "submit".

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ure   tlc.mkce.ac.in/ictskill/login/coordinator	r/faculty-register/			
	tlc.mkce.ac.in says Are you sure?			
		ок	Cancel	
Faculty Registration				
Faculty ID		Name		
2151028		Priyanka S		
Right		Right		
Department	Year		Section	
Computer Science and Engineering	▼ 2	•	А	•
				SUBMIT
Faculty Available				
CSV				Search:

- Faculty is allocated to the selected section successfully and password is generated automatically, that is listed in the faculty list.
- O Share username and password to the corresponding faculty before test.

ecure   tlc.mkce.ac.in/ictskill/login/coordinator/ Type Here			
	Na	ne	
Department	Year	Section	
Choose One	<ul> <li>Choose One</li> </ul>	<ul> <li>Choose One</li> </ul>	-
		SUB	AAIT
		306	
Faculty Available			
CSV			Search:
Sr.No A Faculty ID 🔅 Pa	assword 🕴 Name 🍦	Dept 🔶	Section 🔅
1 1152038	<ul> <li>Selva Mary</li> </ul>	Information Technology	1A
1 1152038	Selva Mary     Priyanka S	Information Technology Computer Science and Engineering	1A 2A

**Test Configuration:** Choose Year -> Based on selected year, enable topic and allocate question count. Also, set time duration based on single question.

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← → C ③ Not sec	cure   tlc.mkce.ac.in/ictskill/login/coordinator/preparation/	
I'm Coordinator	ICT SKILL	
	Module     Category     Year       Computer Science     Programming Languages     II	SUBMIT

• For example, if you choose 1st year, then enable 3 topics out of 10, allocate question count 10 to each 3 topics and set 1 minute to each question -> click update. These configurations are common to all the 1st year students to take test.

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re   tlc.mkce.ac.in/id	tskill/login/coordinator/preparation/			
· · ·	tlc.mkce.ac.ir Are you sure?	n says		
Category S	Selected : Pr		OK Cancel	
0 /				_
TOPICS ENABL	ED TO	PICS DISABLED	Тота	LTOPICS
0	1		1	
Option	Category	Торіс	Set Question Count	Total Questions
	Programming Languages	Срр	20	1422
Time Duration for Or	ne Question (Minutes)			
1.5			-	UPDATE

Report: Collect Class-wise, Department-wise and Student-wise Report

#### 3.3 User Section: View the available faculty and student count

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① Not secur	re   tlc.mkce.ac.in/ictskill/login/coordinator/in	ndex.php		
	Test Section			
	Test Configuration			
	Create Faculty			
	Reports			
	Indivdual Student Statistics			
	Department Statistics			
	Users Section			
	FACULTIES	STUDENTS	TOTAL US	ERS
	2	1	3	
	User Information			

• View user information by searching userid. Also reset password if needed

ation to co	blin 🗙 🛛 🝐 ICT SKILL - PHP - Google Drive 🗙 🗌	🝐 ICT SKILL - PHP - Google Drive 🗙 🥝 Portal 1	🗙 🚺 [2020 Tips]   Take Screenshots 🛛 🗙
Not secur	e   tlc.mkce.ac.in/ictskill/login/coordinator/i	nfo/	
	User Information		
	Student ID / Faculty ID		
	2151028~Priyanka S		VIEW PROFILE
	Role	: Faculty	
	User ID	: 2151028	
	Name	: Priyanka S	
	Department	: Computer Science and Engineering	
	Year & Section	:2A	
			RESET PASSWORD

#### 3.4 Edit Profile:

- Invitation to c	olla 🗙 📔 🝐 ICT SKILL - PHP - Google Drive 🛛 🗙 📔 🝐 ICT SKILL - PHP - Google I	Drive 🗙 🥝 Portal 1 🛛 🗙 🕕 [2020 Tips]   Take Screenshots 🗙
<li>Not secu</li>	re tlc.mkce.ac.in/ictskill/login/coordinator/profile/	
	My Profile	
		ping these settings make sure you choose a strong password. A strong hard to guess, does not resemble a real word, and is only used for this
	Password	Confirm Password
	First Name	Last Name
	Coordinator	ICT SKILL
	Department	
	KRGI	
	Email ID	Mobile
	sample@mail.com	1234567890
		UPDATE

• If you want to change password, go to My Profile -> type new password -> Click Update button. Now password is updated successfully.

#### 4. Faculty (Role)

- 4.1 Student Registration: Faculty members can register either one student or bulk of students.
  - Enter Student ID and Student name -> Click Submit. Single student are registered successfully and password are generated, that is listed in the student list.

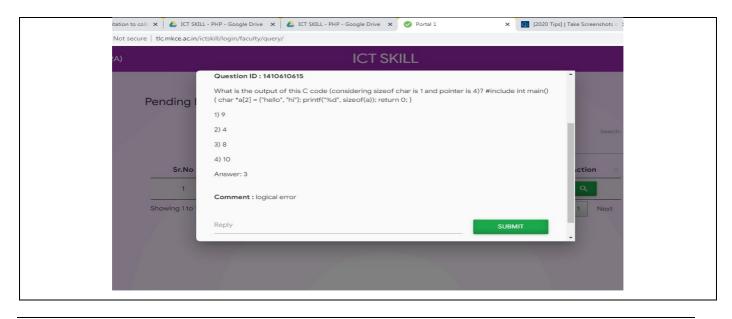
Name Abirami M
Right
Department Computer Science and Engineering
SUBMIT

Files (.csv file) are imported to upload bulk of students -> Click Submit. Bulk of students is registered successfully and password is generated for all the students registered, that are listed in the student list. Share username and password to students before conducting test.

🖙 🗙 🗍 🝐 ICT SKILL - PHP - Google Di	rive 🗙 🛛 📤 ICT SKILL - PHP	- Google Drive 🗙	Portal 1	×	[2020 Tips]   Take Screenshots c	×
e   tlc.mkce.ac.in/ictskill/login/facul	ty/student-register/					
					SUBMIT	
	Bulk S	Student Re	gistration			
Students Available					Search	
Sr.No	Student ID	4	Name	\$	Password \$	
1	1111		Abinaya M		Θ	
2	1112		Abirami M		•	
Showing 1 to 2 of 2 entries					Previous 1 Next	

4.2 Report Queries: Requested queries are handled by faculty and return response to students

xo colla 🗙 📔 💩 ICT SKILL - PHP - Google Drive 🛛 🗙 🗍 📥 ICT SKILL - PHP -	- Google Drive 🗙 🤡 Portal 1 🛛 🗙	🚺 [2020 Tips]   Take Screenshots 🗧 🗙
ecure   tlc.mkce.ac.in/ictskill/login/faculty/index.php		
	ICT SKILL	
Dashboard		
2 PENDING 1	G QUERIES	IERIES
Student Registration		
Report Queries		1 Pending
Reports		
Indivdual Student Statistics		



- 4.3 View Reports: Collect Class-wise, Department-wise and Student-wise Report
- **4.4 Edit Profile:** If you want to change password, go to My Profile -> type new password -> Click Update button. Now password is updated successfully.

ecure       ttcmkce.ac.in/ictskill/login/faculty/profile/         My Profile         Your Account is protected by the password authentication. Keeping these settings make sure you choose a strong password. A strong password contains a mix of numbers, letters, and symbols. It is hard to guess, does not resemble a real word, and is only used for this account.         Password       Confirm Password         Type Here       Type Here         First Name       Section         Priyanka S       2A         Department       Computer Science and Engineering         Email ID       Mobile         mail@krgi.com       1234567890	My Profile         Your Account is protected by the password authentication. Keeping these settings make sure you choose a strong password. A strong password contains a mix of numbers, letters, and symbols. It is hard to guess, does not resemble a real word, and is only used for this account.         Password       Confirm Password         Type Here       Type Here         First Name       Section         Priyanka S       2A         Department       Computer Science and Engineering         Email ID       Mobile	to colla 🗙 🗍 🝐 ICT SKILL - PHP - Google Drive 🛛 🗙 🗍 🝐 ICT SKILL - PHP - Google Drive	e 🗙 🤣 Portal 1 🛛 🗙 🔟 [2020 Tips]   Take Screenshots 🔿
Your Account is protected by the password authentication. Keeping these settings make sure you choose a strong password. A strong password contains a mix of numbers, letters, and symbols. It is hard to guess, does not resemble a real word, and is only used for this account.         Password       Confirm Password         Type Here       Type Here         First Name       Section         Priyanka S       2A         Department       Computer Science and Engineering         Email ID       Mobile	Your Account is protected by the password authentication. Keeping these settings make sure you choose a strong password. A strong password contains a mix of numbers, letters, and symbols. It is hard to guess, does not resemble a real word, and is only used for this account.         Password       Confirm Password         Type Here       Type Here         First Name       Section         Priyanka S       2A         Department       Computer Science and Engineering         Email ID       Mobile	ecure   tlc.mkce.ac.in/ictskill/login/faculty/profile/	
Password contains a mix of numbers, letters, and symbols. It is hard to guess, does not resemble a real word, and is only used for this account.       Password     Confirm Password       Type Here     Type Here       First Name     Section       Priyanka S     2A       Department     Computer Science and Engineering       Email ID     Mobile	password contains a mix of numbers, letters, and symbols. It is hard to guess, does not resemble a real word, and is only used for this account.         Password       Confirm Password         Type Here       Type Here         First Name       Section         Priyanka S       2A         Department       Computer Science and Engineering         Email ID       Mobile	My Profile	
Password contains a mix of numbers, letters, and symbols. It is hard to guess, does not resemble a real word, and is only used for this account.       Password     Confirm Password       Type Here     Type Here       First Name     Section       Priyanka S     2A       Department     Computer Science and Engineering       Email ID     Mobile	password contains a mix of numbers, letters, and symbols. It is hard to guess, does not resemble a real word, and is only used for this account.         Password       Confirm Password         Type Here       Type Here         First Name       Section         Privanka S       2A         Department       Computer Science and Engineering         Email ID       Mobile		
Type Here     Type Here       First Name     Section       Priyanka S     2A       Department     Computer Science and Engineering       Email ID     Mobile	Type Here     Type Here       First Name     Section       Priyanka S     2A       Department     Computer Science and Engineering       Email ID     Mabile	password contains a mix of numbers, letters, and symbols. It is har	
First Name     Section       Priyanka S     2A       Department     Computer Science and Engineering       Email ID     Mobile	First Name     Section       Priyanka S     2A       Department     Computer Science and Engineering       Email ID     Mobile	Password	Confirm Password
Priyanka S     2A       Department     Computer Science and Engineering       Email ID     Mobile	Priyanka S     2A       Department     Computer Science and Engineering       Email ID     Mobile		
Priyanka S     2A       Department     Computer Science and Engineering       Email ID     Mobile	Priyanka S     2A       Department     Computer Science and Engineering       Emeil ID     Mobile	First Name	Section
Computer Science and Engineering Email ID Mobile	Computer Science and Engineering Email ID Mobile		
Computer Science and Engineering Email ID Mobile	Computer Science and Engineering Email ID Mobile	Department	
		Final ID	Mahla
	UPDATE		UPDATE

#### 5. Student (Role)

View the attended Category, Topics, Test and Questions Count

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l'm Abirami M (2A)	ICT S	KILL		More 👻 Logout
ATTENDED Category	ATTENDED Topics	ATTENCED Test	ATTENDED Questions	
	PRACTIO	CE TEST		

**5.1 Practice Assessment / Test :** Click PRACTICE TEST -> Choose type of level -> Choose Module -> then Category -> and then Topic -> finally Click START TEST

		ive 🗙 🚺 ICT SKILL - PHP - Google Drive 🗙 🧔 Portal 1	× [] [2020 Tips]   Take Screenshots C		
← → C ① Not s	ecure   tlc.mkce.ac.in/ictskill/login/stude			7	r 🕑 :
l'm Abirami M (2A)		ICT SKILL		Home	Logout
					<u></u>
	Rules & Practic	e Test Instructions			
	Name		Values		
	Торіс		: Cpp		
	Question type		: MCQ		
	Question Level		:1		
	Total Number of Questions		:20		
	Time alloted		: 30 Minutes		
	Maximum Marks		: 20		
	Click on radio button to select	/ deselect your answer	~		

Question type	: MCQ	
Question Level	:1	
Total Number of Questions	:20	
Time alloted	: 30 Minutes	
Maximum Marks	:20	
Click on radio button to select / deselect your answer	~	
To complete the test, click on SUBMIT button	~	
Timer Enabled	~	
Test will be submitted automatically if time got expired	~	
Are you ready to practice test?	START TEST	

#### Take test.

V V V Nots	secure   tlc.mkce.ac.in/ictskill/login/	statenty nonney testy				☆ 🕑
l'm Abirami M (2A)	MODE : LEVEL 1		ICT SKILL			Logout
		Prac	tice Test On Cpp			
	Question 1:				0 💻	
	What is the output of #include int main() { char *a[2] = ("hello", "h printf("%d", sizeof(a)); return 0; }	i");	zeof char is 1 and pointer is 4)?			Time Remaining 00:29:52
	• 10	O 4	O 8	Ο 9		
	Question 2 :					
	What is the output of #include void reverse(int i);	this C code?				

#### 5.2 Report Query to Faculty : If you get doubt in-between the test, report queries to faculty

MODE : LEVEL 1	ICT SKILL			
Questic What is t #include int main( { char *a[2 printf(% return 0; } ] 0 10	Ouestion ID         1410610615         Problem in Question         Comments         Iogical error		Time Remaining 00:28:56	
Question	2.	SEND REPORT		
	e output of this C code?			

#### View the responses returned by faculty by clicking Home -> Report Issues

	🗙 🔥 ICT SKILL - PHP - Google Drive 🗙		× 📀 Portal 1	× [] [2020 Tips]   Take Screenshots o	× +	
← → C ③ Not secure	tlc.mkce.ac.in/ictskill/login/student/issue	es/			\$	•
l'm Abirami M (2A)		ICT S	KILL		Home	Logout
	Report Issues					
				Search:		
			-			
	Sr.No 🔺	Question	♦ Status	♦ View ♦		
	1	1410610615	Solved	Q		
	Showing 1 to 1 of 1 entries			Previous 1 Next		

$\leftrightarrow$ $\rightarrow$ ${f C}$ ( ) Not secure   tlc.mkce.ac.in	/ictskill/login/student/issues/		☆ 🕑 :
l'm Abirami M (2A)	ICT SKILL		
Report	What is the output of this C code (considering sizeof char is 1 and pointer is 4)? #include int main() { char *a[2] = ('hello", 'hi'); printf("%d", sizeof(a)); return 0; } 1) 9 2) 4 3) 8 4) 10 Student - Abirami M (2A): Faculty - 2151028 : corrected it CLOSE	Search:	

**5.3 Edit Profile:** If you want to change password, go to My Profile -> type new password -> Click Update button. Now password is updated successfully.

REPOSITORY - Invitation to co	ile 🗙 🛛 🝐 ICT SKILL - PHP - Google Drive 🗙	: 🚺 🛆 ICT SKILL - PHP - Google Drive 🗙	Portal 1	× [] [2020 Tips]   Take Screenshots o	× +		- 0	×
← → C ▲ Not secur	e   tlc.mkce.ac.in/ictskill/login/student/pro	ofile/				07	☆ P	:
	Your Account is protected by the pa password contains a mix of number account.	tlc.mkce.ac.in says Profile Successfully Updated!		ose a strong password. A strong I word, and is only used for this				*
	Password	C	onfirm Password					
	First Name Abirami M Department Computer Science and Engineering	2.	A					
	Email ID student@krgi.com		obile 234567890					
				UPDATE				

### Annexure – I

#### ICT Skill Question Count

	1. CSE, IT	
No	Title	No. of
1.	Artificial Intelligence	Questions 766
2.	Automata Theory	728
3.	Computing	1502
4.	C Programming	1403
 5.	C++ Programming	1848
5. 6.	Computer Architecture	741
o. 7.	Computer Networks	2561
7. 8.	Computer Fundamentals	1004
0. 9.	Computer Organization	765
J. 10.		1502
10.	Computer Technology	
11.	Compiler Design	936
12.	Computer Graphics	186
13. 14.	Cloud Computing	962
	C#	830
15.	CSS	560
16.	Cryptography and Network Security	1009
	Data Science	500
	Data Structures and Algorithms	946
	Data Base Management Systems	1430
20.	Discreet Mathematics	455
	Hadoop	993
	HTML	962
	IOT	1004
	Java	1566
25.	Java Script	837
26.	JUnit	477
27.	Linux	858
	LISP	255
29.	Mongo Database	993
30.	Microcontrollers	501
31.	Microprocessor	1003
32.	MYSQL	1244
33.	Neural Networks	351
34.	OOPS	1007
35.	Oracle	159
36.	Operating Systems	1667
37.	Python	1246
	Php	1144
39.	Relational Data Base Management	555
40.	R Language	450
41.	Ruby	200
42.	Storage Area Networks	286
43.	Semantic Web	535
44.	Software Architecture	969
45.	Software Engineering	1302
46.	Spring	721
40. 47.	SQL	1208
47. 48.	Unix	
<del>ч</del> о.		1153
	Total	44,280

No	2. EEE, ECE, EIE Title	No. of
		Questions
1.	Analog Communication	762
2.	Analog Electronics	362
3.	Analytical Instruments	817
4.	Avionics	849
5.	Basic Electrical Eng.,	742
ô.	Basic Electronics Eng.,	691
7.	Biomedical Instrumentation	846
8.	Control Systems	425
Э.	DC Machines	495
10.	Digital Circuits	993
11.	Digital Communication	971
12.	Design of Electrical Machines	883
13.	Digital Image Processing	969
14.	Digital Logic Design	650
15.	Human Computer Interaction	163
16.	Electrical Machines	1095
17.	Electric Circuits	929
18.	Electromagnetic Theory	1364
19.	Electrical Measurements	725
20.	Electronic Devices	821
21.	Embedded Systems	967
22.	Instrumentation and transducers	849
23.	Linear Integrated Circuits	827
24.	Microcontroller	501
25.	Microprocessor	1003
26.	Microwave Engineering	681
	Optical Communication	865
	Network theory	778
29.	Power Electronics	753
30.	Power Systems	573
31.	Signals and Systems	387
32.	Transformers	309
33.	VHDL	456
34.	VLSI	1133
35.	Wireless and Mobile Networks	601
	Total	26,235

	4. Civil Engineering	
1.	Basic Civil Engineering	899
2.	Concrete Technology	1806
3.	Building Construction	889
4.	Design of Steel Structure	727
5.	Engineering Geology	889
6.	Environmental Science	1182
7.	Geotechnical Engineering	996
8.	Hazardous Waste Management	742
9.	Highway Engineering	930
10.	Structural Engineering	583
11.	Waste water Management	1434
	Total	11,077

No	3. Mechanical Engineering Title	No. of
110	The second se	Questions
1.	Advanced Machining	916
2.	Automobile Engineering	251
3.	Casting and Forming	1702
4.	Compressors	100
5.	Energy Engineering & Management	1781
6.	Engineering Drawing	1710
7.	Engineering Dynamics	100
8.	Engineering Materials	1019
9.	Engineering Mechanics	519
10.	Engineering Meteorology	1002
11.	Fluid Dynamics	1176
12.	Fluid Mechanics	1206
13.	Hear Transfer	2717
14.	Hydraulic Machines	1422
15.	Industrial Engineering	100
16.	Internal Combustion Engines	786
17.	Machine Design	731
18.	Machine Dynamics	314
19.	Machine Kinematics	796
20.	Machine Tools	797
21.	Machines	170
22.	Manufacturing Engineering	1921
23.	Manufacturing Science	1236
24.	Mass Transfer	1290
25.	Material Science	1264
26.	Mechanical Behavior	931
27.	Nuclear Power Engineering	117
28.	Petroleum Engineering	100
29.	Power Plant Engineering	1026
30.	Process and Control Engineering	100
31.	Process equipment & plant design	100
32.	Refractory technology	133
33.	Refrigeration	100
34.	Statistical Quality Control	727
35.	Steam Boiler Engines	100
36.	Steam Gas Turbine	860
37.	Stoichiometric	100
38.	Strength of Materials	1625
39.	Theory of Machines	341
40.	Thermodynamics	1142
41.	Workshop Technology	100
	Total	

	5. First Year Courses			
1.	Engineering Chemistry	953		
2.	Engineering Mathematics	628		
3.	Engineering Physics	947		
4.	Professional Communication	818		
	Tota	l 3,346		

	6. Chemical Engineering			
No	Title	No. of		
1.		Questions		
	Chemical Engineering Basics	1048		
2.	Chemical Plant Economics	100		
3.	Chemical Process	1051		
4.	Chemical Reaction Engineering	100		
5.	Distillation Design	415		
6.	Fertilizer Technology	100		
7.	Fluidization	235		
8.	Food Engineering	839		
9.	Fuels and Combustion	100		
10.	Furnace Technology	100		
11.	Materials and Construction	100		
12.	Mechanical Operations	572		
13.	Organic Chemistry	960		
14.	Petroleum Refinery Engineering	100		
15.	Polymer Engineering	598		
16.	Process Control & Instrumentation	100		
17.	Process Equipment & Plant Design	100		
18.	Pulp Paper	730		
19.	Separation Biotech	905		
20.	Stoichiometry	100		
21.	Thermodynamics	1111		
22.	Unit Process	817		
	Total			

7. MBA			
No	Title	No. of	
		Questions	
1.	Accounting	100	
2.	Banking Exams (IBPS, SBI)	114	
3.	Basic Rules	357	
4.	Business Statistics	576	
5.	Business and Commerce	100	
6.	Business Communication	100	
7.	Business Management	100	
8.	Cost Accounting	1083	
9.	Costing	100	
10.	eCommerce	100	
11.	Economics	100	
12.	Financial Management	100	
13.	Financial Markets	538	
14.	GST (Goods and Service Tax)	100	
15.	HRM (Talent Management)	763	
16.	HRM	100	
17.	International Finance and Treasury	100	
18.	Management Accounting	100	
19.	Management Information System	100	
20.	Marketing Management Research	873	
21.	Marketing	100	
22.	Operations Research	100	
23.	Principles of Marketing	860	
24.	Strategic Management	100	
	6,764		

8. Aptitude			
No	Title	No. of	
		Questions	
1.	Aptitude	2827	
2.	English Verbal	3081	
3.	Reasoning	1464	
4.	Non-verbal	508	
5.	Logical	447	
	Total	8,327	

	9. ICT Programming Practice				
No	Programming	Level		Total	
	Courses	L-1	L-2	L-3	
1.	С	1154	569	466	2189
2.	C++	729	233	298	1260
3.	Java	593	318	269	1180
4.	Data Structures	405	221	201	827
	and Algorithms				
5.	Analysis & Design	321	167	166	654
	of Algorithms				
6.	Python	413	122	-	535
7.	C sharp	291	-	-	291
8.	Ruby	221	-	-	221
9.	Haskell	100	-	-	100
10.	Operating Systems	112	-	-	112
11.	Lua	100	-	-	100
12.	R	221	-	-	221
13.	Octave	138	-	-	138
				Total	7,828

#### **Total Questions**

No	Disciplines	No. of Q & A
1	CSE, IT	44,280
2	EEE, ECE, EIE	26,235
3	Mechanical Engineering	32,628
4	Civil Engineering	11,077
5	First Year Courses	3,346
6	Chemical Engineering	10,281
7	MBA	6,674
8	Aptitude	8,327
9	ICT Programming Practice	7,828
	Total	1,50,676

#### Total Number of Questions : 1,50,676

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