

# Online Teaching and Learning for Competitive Examinations in India

**K. Krishnan**

Assistant Librarian, Centre for Management Development  
Thycaud, Thiruvananthapuram – 695 014  
Kerala

## Abstract

*This paper discusses the various aspects of online education, and facilities and applications for efficient coaching for success in the competitive examinations conducted by various government agencies like Staff Selection Commission, Union Public Service Commission Banking Service Recruitment Board etc. for recruiting suitable candidates for various outstanding positions with all India service liability. It makes a survey of the prominent institutions engaged in providing online training to various competitive examinations at the all India level.*

**Keywords:** Competitive examinations; Online teaching; Online coaching; Coaching facilities

## 1. Introduction

Online learning is education that takes place over the Internet. It is often referred to as “e-learning” among other terms. However, online learning is a type of “distance learning” - the umbrella term for any learning that takes place across distance and not in a traditional classroom. Distance learning has a long history and there are several types available today, including:

- Correspondence Courses: conducted through regular mail with little interaction or sometimes with a few contact classes.
- Tele-courses: where content is delivered via radio or television broadcast.
- CD-ROM Courses: where the student interacts with static computer content.
- Online Learning: Internet-based courses offered synchronously and/or asynchronously.
- Mobile Learning: by means of devices such as cellular phones, PDAs and digital audio-players (iPods, MP3 players).

According to the Sloan Consortium, online enrolments continue to grow at rates faster than for the broader student population and institutes of higher education expect the rate of growth continue to increase (Online Learning Consortium, n. d.) There are many academic leaders who believe that online learning quality is equal to or superior to face-to-face instruction.

## 2. Working of Online Education

A Course Management System (CMS) software is utilized by just about all colleges today.

CMS is a collection of software tools providing an online environment for course interactions. A CMS typically includes a variety of online tools and environments, such as:

- i. An area for faculty posting of class materials such as course syllabus and hand-outs
- ii. An area for student posting of papers and other assignments
- iii. A grade book where faculty can record grades and each student can view his or her grades
- iv. An integrated email tool allowing participants to send announcement email messages to the entire class or to a subset of the entire class
- v. A chat tool allowing synchronous communication among class participants
- vi. A threaded discussion board allowing asynchronous communication among participants. (Course Management Systems, n. d.)

Moreover, CMS allow instructors to design and deliver their courses within a flexible framework that includes a number of different tools to enable learning and communication to occur.

**CMS include:**

- Blackboard ([www.blackboard.com](http://www.blackboard.com))
- WebCT ([www.webct.com](http://www.webct.com))
- e-College ([www.ecollege.com](http://www.ecollege.com))

Low cost alternative and open source CMS include:

- ETUDES-NG (<http://etudesproject.org>)
- Moodle (<http://moodle.org>)
- Angel (<http://angelllearning.com>)

The most common tools offered by CMS are given below:

## 2. Benefits of Online Learning

Every level of the education system can be enhanced through online courses, as students can study at their own pace and work with course materials that are adapted to their needs and learning abilities. The rising popularity of this method of study has resulted in an extraordinary boom in the industry. Studies show that there has been an annual growth of 5% or more in the online learning space, year on year. The merits of online learning are briefly discussed below:

### i. *Intimate Relationship with Students*

In traditional classroom-based courses, there is an ongoing problem with student retention. Sometimes, students may be reluctant to connect with the course materials or instructors. As a result, attendance suffers, and consequently some students quickly fall behind their peers. While there are many reasons for the drop out, it is a nagging issue that continues to plague off-line courses. Research indicates that online courses can be better at engaging students, boosting retention rates up to 60% in some instances while a video content is projected to account for 80% of all global web activity by 2019. It is no surprise that online learning is getting more popular.

As online education provides a greater degree of flexibility, it can be less stressful to manage alongside other commitments. Furthermore, there is less pressure to engage the students, as students have the help of devices, apps, and multimedia tools to make learning a more interactive and enjoyable prospect. This provides educational institutions new opportunities to deliver content in ways that the students of today can very well connect to.

### ii. *Improvement of Digital Literacy*

Teaching online will help all educators communicate more effectively through various digital media, as well as making lecturers competent and confident users of video

technology in education. Regular interaction with fellow staff and students through email and message boards would enhance their computer skills and make them more adept at handling the technology and devices of the digital age. As digital literacy is quickly becoming the most valuable tool for lifelong learning, improving abilities is a worthwhile investment for students and faculty.

### iii. *Flexibility*

Online learning allows educators to offer them the chance to study on their own terms and at their pace. In such a programme, there are no expectations on attendance. If students have children or a job, then early morning classes may not be possible. With online learning, they can study at night, on the weekends or at any time chosen by them to fit into their existing life. Flexible schedule means lecturers can teach from the comfort of their own homes and work outside traditional class times, allowing for more freedom during daytime hours to pursue other interests.

### iv. *Displacement of formal Classrooms*

Teaching online means students can learn anywhere as long as the internet works. The caveat is that some students may become lethargic or complacent in their studies. Online learning provides the potential for increased comfort, but faculty should encourage and motivate students to study in an environment conducive to learning, free from distractions.

With study/teaching areas customized to a student's needs and preferences, it seems likely that there will be an increase in their motivation to learn, as most students will enjoy the atmosphere more than a formal classroom. This will also make it more enjoyable for students to learn in a setting that suits students best.

### v. *Get to Know Students Better*

Some students are inherently shy that participation in classroom discussions does not come easy for them. With online learning, students may feel more at ease and open to participation in discussion and course activities. As a result, educators can interact with a wider range of students, getting a myriad of different views on course matters. This not only makes for deeper, more interesting classes but also helps teacher to bond with students as they get to know them better and develop a sense of how they are coping with the class and course materials.

### vi. *Better Career Prospects for Students and Faculty*

The statistics on online learning demonstrate a significant positive impact on the employability of those who successfully obtain online qualifications. Studies from the University of Illinois confirmed that 44% of online

students claim their employment standing improved, as they got full-time jobs within 12 months of their graduation. Furthermore, 45% of respondents reported they received an increase in their salary (Heap, 2017).

Faculty members, like students, will develop new computer skills, regardless of what the course is, from working with cloud-based documents to incorporating video and audio materials in their course materials. These core skills will translate many professions in the digital age, making students more confident and more competent to transition to different roles. They will be ready to take on more tasks in virtual learning, helping graduates excel in the working world of the future.

### vii. *Provision of Myriad Ways of Learning*

Traditional programmes confined to the classroom and a set timetable offer little in terms of flexibility. Students are boxed in and must learn according to the prescribed methods. With online classes, Lecturers have more choices in how to teach and offers innovative and interesting ways to deliver the content and demonstrate points. Experimentation with various methods of online instruction offers the chance to try numerous activities like Games, Guided design projects, Pre-recorded lectures, PowerPoint with voice-over, Web conferences etc.

Educators can also nurture a community culture in virtual study groups. Through apps like Google Hangouts, Zoom students can connect with each other online to discuss assignments, sort problems, and learn together. By sharing screens and documents, they can work as a remote team through virtual whiteboards, Google Documents, and organizational programmes like Asana. Traditional programmes work on the basis that social learning is crucial to getting the most out of education. Research on online education programme developments show that they are becoming more interactive. They offer students more opportunity to discuss course materials with instructors and fellow students through live commenting and interactive video lessons, allowing for deeper conversations and stronger bonds with faculty. (Digital Marketing Institute, 2018).

### 3. Previous Studies

Bharucha (2016) observes that with the kind of competition faced by students and career-aspirants these days at every stage, coaching centres/ coaching classes have emerged as a very popular parallel education system and has become the mainstay of the educational set up in India. He tries to identify how popular coaching classes are with the students pursuing commerce based courses in the city of Mumbai. With the help of a structured questionnaire circulated among a

sample of students from Mumbai University, the paper aims at identifying the need and relevance of coaching classes and tries to understand the gaps in the education system. The study concludes that the need for coaching classes has much to do with disillusionment with college faculty and to a large extent to supplement the learning done at college. The paper recommends policy measures in this regard.

Xue Shi (2016) describes that Web-based learning environments are being more widely used in higher education to support face to face teaching activities. Universities in Europe, the United States, and other developed countries extensively use e-learning platforms; however, this is still in the trial stage in Chinese universities and educational institutions. Moodle has been considered as an interactive e-learning tool to motivate students and involve them in resolving both individual and collaborative tasks. In order to improve class attendance and homework assignments submission, an e-course was developed via Moodle and proved to be a positive teaching/learning experience. Following this study, a series of conclusions can be drawn concerning its benefits in terms of stimulating students' interest in homework tasks and in-creasing their frequency of interaction with teachers and among colleagues.

KPMG and Google (2017) have attempted a projection of the online education market in India. The online market in India in 2016 stands at US\$247 million and is estimated to witness an eight-fold growth over the next five years to reach US\$ 1.96 billion mark in 2021. This growth would be backed by a phenomenal rise in the user base for online education in India from 1.57 million to 9.5 million users in 2021. Of these users, a major chunk would be those involved in online education for test preparation for competitive examinations.

Cetina Iuliana, Goldbach and Manea (2018) make a comparative analysis between the Udemy platform, one of the largest online education training platforms in the world, and other important online learning platforms in the World. They observe that the Internet and technology have made important changes in traditional education, by creating digital libraries, multifunctional desktops, distributing information through the electronic post, and also introducing a new type of education, called e-learning or online learning. The main advantages of this new paradigm of education are: easy access to information, flexibility, convenience, time saving, multitasking, connectivity, different approaches, etc.

### 4. Objectives of the Study

The major objectives of the study are:

- To give a clear picture of the major issues and challenges in the online education.
- To attempt a state-of-the-art of the major players in the field of online education who concentrate on the coaching for competitive examinations in India and their areas of specialization.

### 5. Methodology

The data for the study have been collected by a thorough search of the Internet. The retrieved data are systematically arranged and presented in a cogent manner.

## 6. Competitive Exam Preparation: Challenges and Opportunities

### 6.1. Challenges

#### 6.1.1 Reach or penetration

Every year more than 3 crore aspirants prepare for competitive exams like JEE, NEET, GATE, SSC and banking. Armed with great aspirations, these students pin their hopes on offline coaching institutions for exam preparation in the face of stifling competition. While students in Tier I cities have access to good quality content and faculty, students in Tier II and Tier III cities are at a disadvantage due to a lack of competitive study materials and tutorials. Due to a lack of availability in offline coaching, a growing demand for online sources is prevalent in smaller cities. The increase in mobile phone penetration at around 85 percent in rural India, has facilitated and encouraged the Educational Technology (Edtech) revolution. As a result, there has been a wave in the Edtech space with many new entrants in the past five years. Existing ones have expanded to smaller cities with an agenda of addressing primary concerns like accessibility, cost efficiency and an improved quality of education.

The accessibility of content in Tier II and Tier III cities had been addressed to a large extent by a combination of Edtech players. Providing recorded videos and modifying offline content onto the online space to enhance learning (an area which has largely remained a complimentary medium of studying) has been pivotal. Thus, 'live' classes began, and have made a significant impact on Tier II, III and IV cities where there is limited access to coaching centres with online live classes. Today, they offer access to the best teachers and courses. Location is no longer a constraint in exam preparation with access to effective tools like live classes.

#### 6.1.2 Cost

Every year, more than 25 lakh students appear for JEE and NEET entrance exams, and there are multiple

offline coaching options in the market. However, only 15-25 percent of the student population in this segment can afford the cost of coaching. Further, it is challenging and expensive for a 16-year-old to relocate to a larger city to live and prepare for such entrances. Online preparation enables access to expert faculty at home, at an affordable cost. This benefits numerous students in Tier II and Tier III cities, who can't afford premium fees yet want to sit for competitive exams.

#### 6.1.3 Quality/effective learning outcome

There was a dire need for a solution focused specifically on effective learning outcomes. With the advancement in Edtech, online live classes have been a game changer. They offer a virtual classroom learning experience which includes interactive live classes and a structured study plan methodology. These have proven to be effective in driving student activity, with a 4X higher engagement compared to recorded videos and lectures. This is a formidable model when combined with structured planning and methodology for a day-wise study plan. Now, students from anywhere in India can prepare effectively for competitive exams. Online study gives aspirants access to exam-wise classes, and preparation material by expert faculty. All in the comfort of one's home at almost half the cost of offline methods.

#### 6.1.4. Study by Gradeup

To understand the changing trend in Edtech, Gradeup, India's largest online preparation platform for competition exams, recently conducted research to identify what students prefer in their online learning experience, with a specific focus on live classes. The study revealed that of the students currently using offline modes, about 70 percent are open to shifting to online learning if given access to live online classes. Among Tier II and Tier III cities, this number is much higher with an overall percentage of 80. Of these, over 80 percent cited "access to expert faculty" as the primary reason for the shift.

Additionally, over 90 per cent of the participating students would opt for online modes. This figure is 95 percent for aspirants (from Tier III and IV cities). "Convenience" in preparing from home, "access to live classes," and "cost-benefit" are the top three drivers. Further, 20 percent of the participants were willing to pay extra to access live classes. The survey also found that 63 percent amongst the students who prefer online learning would choose live classes, while a much lower proportion, 29 percent, would choose recorded lectures.

Further, students opted for live classes due to the "interactive nature that helped in doubt resolution" and

“proper planning through a day-wise study plan.” These findings are clear indicators that students are increasingly realising the benefits of online coaching, and opening up to live classrooms. The survey concluded that live online classes is the way forward, and the latest online test preparation strategy (Shobhit Bhatnagar, 2019).

Among the Edtech companies that offer live online tutorials to students are Unacademy and Vedantu.

## 6.2 Opportunities

### Primary benefits of a virtual classroom model are:

- i. Preparing with the best in class faculty.
- ii. Community learning with peer-to-peer interaction.
- iii. Opportunity to discuss, pose questions, have quizzes, solve doubts and foster peer-to-peer learning.

## 7. Medical and Engineering Entrance Coaching

Medical Entrance Exams including NEET, AIIMS, JIPMER etc. are conducted for the aspirants seeking admission in country's top medical colleges for courses like MBBS, BDS and PG. NEET is the only medical entrance exam for admission in India's top medical and dental colleges. The test is conducted by the National Testing Agency (NTA) in Physics, Chemistry and Biology subjects in May.

### 7.1 Agencies for Exam Coaching

Here, only the prominent coaching institutions whose forte is medical and engineering are given. It is quite likely that they offer coaching for other competitive exams because no institution can survive only on one or two areas. There are thousands of such centres all over the country and their tribe is increasing. Therefore, only those with an all India reputation and those selected by various agencies as most prominent are included. The same practice is followed in the selection of centres in other areas also.

#### i. Aakash Digital ([digital.aakash.ac.in/medical](http://digital.aakash.ac.in/medical))

Aakash Digital, the e-learning platform by Aakash, offers entrance coaching integrating the best of Aakash classroom learning with the latest technology. They offer:

- 800+ hours of live online classes.
- 1600+ recorded video lectures covering all concepts.
- Quick doubt resolution by Aakash faculty during and after the class.
- Regular online practice tests with modular analysis to prepare you for CBT format.

- Updated and well-researched study material in printed books and e-Book format.
- Unlimited access to the videos during the validity period.
- Recorded Video Lectures available on phone, tablet or laptop with 1100+ videos, Printed Books, and 75+ Tests.
- Ranker Package for Class XII (NEET) with modular analysis.

The facilities provided by Akash is given in detail as an example to project the modus operandi of the coaching institutes adopted by almost all coaching centres. They are not repeated in the succeeding cases, though there can be variations in the number of materials provided by each.

#### ii. Allen Career Institute ([www.allen.ac.in/](http://www.allen.ac.in/))

Headquartered in Kota, Allen has centres at Jaipur, Mumbai, Surat, Ahmedabad, Indore, Chandigarh, Bengaluru, Vadodara, and Ranchi.

#### iii. Bansal Classes, Kota, Rajasthan ([www.bansal.ac.in](http://www.bansal.ac.in))

Bansal Classes provide coaching for IIT JEE, Medical, NEET, AIIMS.

#### iv. Brilliant Tutorials ([www.brilliant.ac.in/](http://www.brilliant.ac.in/))

Brilliant Tutorials, Chennai is a peerless, pioneering institution in distance education, the largest of its kind in India. Their DLP is a distance learning Programs which provides study material, test series, etc. for Class VIII to X, IIT JEE and Pre-medical aspirants who can't attend classes due to time and distance constraints.

#### iv. Delhi Academy of Medical Sciences (DAMS), New Delhi ([www.damsdelhi.com](http://www.damsdelhi.com))

With the presence across the country, DAMS are the leaders in the business of PG Medical Entrance Coaching. With the largest foot print across India, DAMS boasts of the largest consortium of faculty members.

#### vi. Motion (<https://motion.ac.in/>)

Motion is a popular coaching institute for national-level engineering and medical entrance exams. It has coaching centres in cities including Nagpur, Nanded, Udaipur, Kota, Patna, Raipur, Jodhpur, Bhopal, Allahabad, Jaipur, Dholpur, Jhansi, Guwahati etc.

#### vii. The Narayana Group ([www.narayanagroup.com](http://www.narayanagroup.com))

Narayana Group of Institutes has been rendering valuable services by producing talented students over

the past 38 years. In Andhra Pradesh and Telangana, Narayana colleges offer NEET coaching from Class 11 itself. The Narayana Group has branches/ coaching academies in cities like Delhi-NCR, Jamshedpur, Patna, Surat, Dhanbad, Aligarh, Aurangabad, Bhubaneswar etc.

**viii. Resonance ([www.resonance.ac.in](http://www.resonance.ac.in))**

Since the establishment of Resonance in 2001, the coaching institute has benefitted more than 4 lakh medical aspirants. Resonance has coaching institute in cities such as Udaipur, Rajkot, Surat, Vadodara, Ranchi, Raipur, Nashik, Patna, Nagpur, Agra, Delhi-NCR, Gwalior, Allahabad, Ahmedabad, Mumbai, Kota, Indore, Lucknow etc.

**ix. Sahil Study Circle Private Ltd, New Delhi ([www.sahilstudycircle.com](http://www.sahilstudycircle.com))**

Sahil study Circle provides classroom coaching for medical and engineering through 15 study centres in Janakpuri, Rohini, Pusa Road, Munirka, Kingsway Camp (all in Delhi), Faridabad, Chandigarh, Ludhiana, Jammu, Srinagar, Patna, Ranchi, Hamirpur, Varanasi and Nepal.

This is only a selective listing of institutes with are prominent in the fields.

**x. TIME (<https://www.time4education.com/>)**

Triumphant Institute of Management Education Pvt. Ltd. (T.I.M.E.) is India’s leading test-prep institute with a

pan-India presence and is headquartered in Hyderabad. Established in 1992, T.I.M.E. today operates out of 237 offices located in 118 towns and cities across the country.

**8. Civil Service Coaching Institutes**

In India, there are many coaching institutes that provide proper guidance to the students to achieve success in the UPSC Civil Service examination. They also provide students with the best books and study material to understand the entire structure of the examination. Apart from that, there are many coaching institutes that help candidates not only prepare for the entrance exam, but also for the third stage of examination, i. e. Interview phase.

Most of the coaching institutes offer class room-based instruction and since the focus of the paper is on online teaching and learning, the details of the prominent institutes are given in the form of a table without details. It has to be mentioned here that all of them have started to offer online coaching also.

**9. Online Learning Platforms for Other Competitive Examinations**

**i. SBI PO Exam Preparation**

There are hundreds of online learning platforms and apps aimed at training aspirants of bank examples. Some prominent examples are:

**Table 2**

**Prominent Civil Service Coaching Centres in India**

Sl. No.	Name of the Institute	Location (s)
1	Plutus IAS Coaching	Delhi NCR, India
2	The Hinduzone	Online IAS Coaching Noida, Bangalore
3	Vajiram and Ravi IAS Coaching	New Delhi, Chennai
4	KSG IAS Coaching	Delhi, Patna, Indore, Bhopal, Bangalore
5	Raj Malhotra IAS Coaching	Chandigarh
6	Yojna IAS Coaching	Delhi, India, Kokata, Bhubaneswar, Bengaluru, Hyderabad, Indore
7	Vaid’s ICS	Lucknow / New Delhi
8	Vision India IAS Study Circle	New Delhi
9	Eden IAS	New Delhi
10	Chanakya IAS Academy	New Delhi
11	Rau’s IAS Study Circle	Delhi, Bangalore, Jaipur
12	Kerala State Civil Service Academy	Thiruvananthapuram
13	Analog IAS Coaching	New Delhi
14	KSG IAS Coaching	New Delhi
15	Elite IAS Academy	New Delhi

- i. IBPS SBI PO Exam Preparation app by MadGuy Labs (<https://sbi-po-exam-preparation.soft112.com/>)
- ii. SBI PO Exam Preparation, MadGuy Education Labs ([https://apprecs.com/android/com.madguy.ibps\\_sbi\\_po\\_exam/sbi-po-exam-preparation](https://apprecs.com/android/com.madguy.ibps_sbi_po_exam/sbi-po-exam-preparation))
- iii. Shiksha (<https://www.shiksha.com/exams/sbi-po-exam>)
- iv. Career Power (<https://www.careerpower.in/sbi-po.html>)
- v. Byju's the learning app (<https://byjus.com/bank-exam/sbi-po/>)
- vi. Adda247 (<https://www.adda247.com/jobs/sbi-po>)
- vii. Prepp (<https://prepp.in/sbi-po-exam>)
- viii. Jagranjosh (<https://prepp.in/sbi-po-exam>)
- ix. Time (<https://www.time4education.com/BankExams>)
- i. **Elite Academy, Mumbai (<https://eliteacademy.in/>)**

Elite Academy provides effective training solutions to young aspiring students and giving them a strong foundation for a successful career by gaining entry to the various competitive exams being conducted all over the country. The Academy is the pioneer to introduce coaching for GATE in 1990, CSIR-UGC in 1992, UGC (NET) Entrance coaching in Humanities, IES and GPAT Entrance courses.

#### ii. Trend-Ed (<http://trented.in/index>)

Trent-Ed is a comprehensive, user friendly and well categorized video platform covering all subjects in easy to find and play facility. It covers UPSC's, IFS, IAS, IPS, IRS, all state Civil Services, Medical, Engineering, Defense services entrance exams, Service Selection Board (SSB), Bank Probationary Officer, Railways, Chartered Accountancy and K12 tuitions/Coaching. Services offered by them include Live Video Classes, Online Video Classes, Important Notes PDF, Subjective Mock Test, Objective Mock Test and Monthly Magazine.

## 10. Mobile Apps

Following are the mobile apps that are using for the equipping and preparation of the students for various competitive examinations.

#### i. Jagran Josh (<https://www.jagranjosh.com>)



It is another beautiful app for a competitive exam. It is an android app by Jagran josh.com. Now get ready for the various types of Bank Exam recruitment with this App. This App provides syllabus,

notifications for various Exams, study material, etc. It is a light weight Android app with an excellent GUI. It is also a great choice in all android competitive exam preparation apps. Approximately 0.5 million users downloaded this app.

#### ii. GRE Exam Preparation

The Graduate Record Examinations (GRE) is a standardized test that is an admissions requirement for many graduate schools in the United States and Canada. There are a number of agencies that prepare candidates for the GRE. A few examples are given below:

Ets (<https://www.ets.org/>)

The Princeton Review (<https://www.princetonreview.com/grad-school-advice/how-to-prepare-for-gre>)

Kaplan (<https://www.kaptest.com/gre>)

Maggosh (<https://magoosh.com/gre/one-month-gre-test-prep/>)

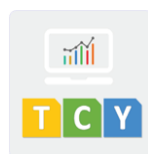
Udemy (<https://www.udemy.com/>)

#### iii. Grade up (<https://gradeup.co/online-coaching>)



It is a highly rated app in the list of exam preparation apps for android users, which the rating of 4.5 on the Google play store. This App is for the preparation of IBPS, SSC, GATE, and LIC. It provides the practice set for the above exams with explanatory Answers. It can quickly clear our doubts by posting them on this App and get answers from experts and other students. Approximately 0.5 million users downloaded this app.

#### iv. TCY Online Preparation (<https://www.tcyonline.com/>)



It is another high rated competitive exam preparation app. It has a rating of 4.0 on the Google Play store. This App provides a combo pack for the preparation of all Government Jobs, Gate, CAT, RI, SSC, UPSC, and much more. We can easily select our test from the given list and easily download the study material for it. It also provides the latest pattern of all the exams. Approximately 0.5 million users downloaded this app.

#### v. SSC CGL Exam Preparation ([testbook.com](https://testbook.com))



SSC CGL Exam Preparation is famous in all competitive exam preparation apps for android. It is specially designed for SSC Exam preparation. It provides SSC mock

test series with explanatory Answers. This app contains a platform for SSC Exam preparation discussion, daily question, and practice area. It is a lightweight Android app which has a rating of 4.0 on the Google Play store. It also provides SSC Exam notifications. Approximately 0.1million users downloaded this app.

#### vi. RRB Railway Exam



RRB Railway Exam is another beautiful app for the preparation of Railway Exams. This app contains knowledge about the world's events, GK, History, and politics. It also provides new job notifications for new Railway jobs. It has a rating of 4.0 on the Google Play store. RRB Railway Exam is a light weight Android app with easy to use interface and excellent graphics. Approximately 0.1million users downloaded this app.

#### vii. SSB Crack Exams (<https://ssbcrackexams.com/>)



It is one of the most powerful android app for exam preparation. It is specially designed for Indian Defence services Exam preparation like NDA, AFCAT, CDS, etc. This App provides the test format. According to the current Pattern. It also provides an advanced analytic report to track our performance. We can also compete with others and quickly check where we stand. Approximately 50 thousand users downloaded this app.

#### viii. Meritnation (<https://www.meritnation.com/>)



The Meritnation app is one of the apps that help a student in his school-related doubts, questions etc. The app gives lessons for students of class 6-12 of CBSE or ICSE board. This app helps the student to Ace in their exams. The app is used by more than 1.5 crore students. Meritnation provides with study material, complete homework help & exam prep with sample papers, revision notes, previous year papers & more. The app aims to address every academic need of CBSE and ICSE school students. Features and services provided by the App include: Free Homework Help & Clearing Doubts, NCERT Solutions for class 6 -12, making the homework easy, Ask and Answer feature for expert-certified solutions for all subjects: 16 lakh questions & 40 lakh free answers, Textbook Solutions for over 50 popular reference books like R.D. Sharma, P.S. Verma and many more, Video lessons with rich animations, CBSE and ICSE aligned study notes to learn any topic., unlimited practice questions,

#### ix. Prep Guru

([https://play.google.com/store/apps/details?id=com.youth4work.prepapp&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=com.youth4work.prepapp&hl=en_IN&gl=US))



The Prep Guru app is an online mock test app which is powered by Youth4Work.com. This app uses advanced data analytics techniques and to students prepare for Competitive Exams, grow better, learn better by enhancing their skills, and hence progress in their career. The app is aim to help you to do online tyari for 500+ competitive exams without any testbook using mock bank tests to imbibe exam specific skills, to grade-up yourself and be the topper.

The Prep Guru is an all-inclusive and extensive practice app, having a bank of more than 2, 50,000 well explored and scrutinized questions in both languages like Hindi and English. The language choice certainly helps in giving an edge over other aspirants. This particular app helps in preparation of various competitions like CMAT, CAT, MAT, SNAP, FMS, and XAT.

#### x. TG Campus Online Courses (<https://www.tgcampus.com/>)

TG Campus is a cloud based platform from "Tomorrow's Genius India Pvt. Ltd." a subsidiary of Green Point Global that provides one stop solution for online education. Tomorrow's Genius (TG), is a trailblazer in the educational field. TG provides live online instruction to students in small group and individual learning sessions. With TG Campus, the reach of TG's innovative online teaching platform to tutors and students is available across the globe. Powered by a comprehensive Learning Management System, this is a complete solution to all online coaching needs offers best-in-class support. TG Campus will work with all the way to guarantee tutoring excellence. TG Campus offers high-quality online courses that ensure quality education to students. Each course is designed to help students learn, grow and thrive.

The Best Selling Courses comprise: JEE Advanced Crash Course, NEET Crash Course and SAT. The Online Exam Types conducted by them include Online Aptitude Test, Personality Test, Online Test Series for management education, banking recruitment, BBA, MCA, LIC, Bank P. O., SSI, PSI, MPSC etc., Skill India Tests and Subjective Tests.

#### xi. Unacademy Learning App (<https://unacademy.com>)

The courses on the platform currently provide content for major competitive examinations - UPSC CSE/IAS,



SSC CGL, IBPS/SBI, CAT, GRE, GATE/IES, CA, CLAT, JEE, Pre-Medical, Railways Examinations and for other topics - English Language, Competitive Programming, Programming Languages, Fresher Placements, Management, Personal Finance, and Personal Development. With a robust league of educators from across the country, we strive towards delivering on our promises with the best educational content an aspirant or a learner could find on the Internet. Unacademy was co-founded by Gaurav Munjal, Roman Saini, Hemesh Singh, and Sachin Gupta. Visit

## 11. Conclusion

Now-a-days, specifically, in the 21<sup>st</sup> century, getting success and become a topper in any competitive examination is not at all a difficult task as far as candidates are concerned. They are getting tremendous online support to equip them for achieving great success in the competitive examination. In addition to this, various learning apps are another important source for them to prepare themselves and it is a self-improving device for the students. Getting over any tough examination is not at all a tough task and the new educational sources are great tools for them to achieve landslide victory in the examination.

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