

Information Booklet 2026

ENGINEERING & IT ENTRANCE



since 1994
PEA

Association Pvt. Ltd.

Jaycees Marga, Thapathali, Kathmandu

Tel: 01 5345730, 01 5357187



www.pea.edu.np

peadigitals.com



Introduction of PEA

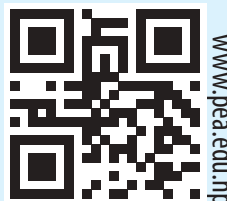
At a Glance

- **Establishment:** 1994
- **Legal Status:** Pvt. Ltd.
- **Location:** Jaycees Marga Thapathali, Kathmandu
- **Purpose:-** To make the students familiar with B.E/B.Arch./BSc.CSIT entrance pattern of the following institution:
 - IOE, TU
 - Kathmandu University (KU)
 - Indian Embassy
 - PoU/PU
 - BScCSIT, TU etc.
- **First Institution to digitize Engineering/ IT entrance preparation courses.**
- **No. of Faculties:** around 70
- **No. of Staffs:** around 25
- **Previous IOE, Pulchowk results:** 95-100% Result every year since its establishment
- **Total no. of Engrs. from PEA ≈ 75,000 (Approx.)**
- **Subject Deals:** Physics, Chemistry, Mathematics, English, Computer General Knowledge.
- **Number of Hrs. in a Package Course:** 350-400 hrs.
- **Daily class duration:** 4/5 hrs.
- **PEA Books:** 5-6 books related to B.E./ B.Arch. BSc. CSIT Entrance are distributed to the students taking admission at PEA.
- **PEA Digitals (Complete Online, Eng./IT and Medical Entrance study Platform by PEA).**
- **PEA Engineering/IT Quiz.** (National Level Quiz for +2 or equivalent Science studying students).

PEA was established in 1994 with a well-trained professional faculties from IOE, Pulchowk, and other prestigious colleges and universities. It was initiated by Laxman Pokharel, a graduate of the Pulchowk Campus. It started with a mere small building at Kupondole and has grown to a rather large establishment employing around 70 teachers and 25 office staff having its own academic building at Thapathali.

With 32 years of mentoring excellence, PEA has an unprecedented record of guiding thousands of students in achieving their engineering dreams. While retaining this legacy with a visionary mindset and relentless drive, PEA strives to make a groundbreaking leap into the digital era with 'PEA Digitals' It is a state-of-the-art online learning platform aimed to revolutionize engineering entrance preparation accessible, efficient and comprehensive for the aspiring students across the nation. We are continually upgrading our teaching methods and materials to meet present-day competitive edge requirements.

It has served thousands of entrance aspirants most of which have secured admission to prestigious engineering colleges in Nepal and abroad. At present, it has a highly trained teaching staff who have 25+ years of experience in teaching. PEA provides 5 books, a syllabus, tutorial sheets, and other necessary materials with PEA Digitals to students who book their seats for Engineering and IT entrance preparation.



www.pea.edu.np



peadigitals.com



Er. Laxman Pokharel
Executive Director
PEA Association

Message from the Executive Director

Before I begin, I would like to thank all +2 or equivalent graduates for their interest in choosing PEA as your plan of study for the B.E., B.Arch, or BSc.CSIT entrance exam.

With the proudest moment of glory and historic success of 32 years of excellence I would like to thank all the students, guardians, teachers and staff for their incessant support and professionalism. We provide the very best to our students by inculcating the skills and techniques that are important to pass entrance exams. PEA has proven to be the best institute for engineering and IT entrance preparation in Nepal. Our results speak for themselves.

PEA Association has expanded into the digital sphere in response to the changing nature of teaching and learning processes, making entrance preparation sessions simpler, more adaptable, and more efficient than ever. Through its captivating platforms like PEA Digitals, PEA serves more than 10,000 engineering aspirants annually as a pioneer in digital education for entrance exams. Students can watch video lectures, practice thousands of multiple-choice questions, and, most importantly, manage their learning process with the help of progress reports and other fascinating features.

Situated in the heart of the city, the PEA building holds a special significance beyond being just a physical structure. Each desk and bench within its walls bear witness to numerous stories and countless memories of past and present students. Its rich history is cherished by all who have pursued engineering education, and their individual experiences at PEA fill us with a sense of pride and accomplishment.

Our well experienced renowned and distinguished teaching faculty will take you deeply through the course and provide well written practice books and materials will make you score higher and improve through the course.

Finally, I'd like to extend a warm invitation to all the parents and guardians with questions to visit the office and speak with the counselors to clear any doubts.

Hoping to see you soon !

Message from the CEO

A Message for our respected parents and students, it is with great pleasure that I welcome you to the institute of engineering and IT Preparation. I am thrilled with your decision to join us at PEA and hope that the time you spend with us will be enjoyable and fruitful.

You are about to embark on an incredible journey that is sure to change your life in many positive ways. To commit to studying engineering and IT Courses in renowned institution to make a commitment to secure a brighter future for yourself and your family and I admire ability to do so.

As CEO of the PEA, it is my intention for the institute to be known locally nationally and internationally as a leading example of an institution providing outstanding education. The PEA provides a friendly, supportive community with a focus on the student as the heart of entrance preparation motive. we are here to help you. So, please ask many questions as you like.

On behalf of everyone at the PEA. I wish you good luck in your course and I look forward to seeing you around the college.



Prof. Toya Narayan Poudel
CEO, PEA Association



Prof. Dr. S. K. Mishra
Chairman, PEA Association

Message from the Chairman

Dear Students/ Guardians,

I feel very exultant to apprise you all the PEA Association has been set up with a view to imparting quality education and congruous guidelines to the engineering aspirants who are going to pursue a career in the realm of engineering.

Here, I would like to assure that the educational environment at our institution has been so far and will be in the days to come, entirely viable for fostering and proliferation of knowledge, which is indeed a must for getting through different entrance examinations, particularly those of IOE, Indian Embassy and Kathmandu University.

Our well experienced faculty members who are oriented to the need of the students are veterans in their respective fields. We have entered digital world of entrance preparation via PEA Digitals Apps which help the students in complete packages. On top of that, they are endowed with a sense of technicality. As such, the students feel proud of having been under their guidance.

As the institution has all these backgrounds and glorious history of 32 years, I am sure that you/your wards will come and join us to be academically successful. Therefore, this necessitates you/ your wards' judicious selection of a genuine institution like ours. Thank you.

With kind regard.

Message from the Principal

PEA, having a long and glorious history since its establishment has been endeavoring in the domain of Engineering Entrance to shape the mind of students according to the demand of the present day scenario. With an entirely educational environment and disciplined system, we leave no stone unturned to get to the desired and targeted goal of ours that is to quench the thirst of knowledge and at the same time, to bring about success to our students.

Our faculties here are the most renowned and highly demanded throughout the country. They are quite popular with the students and noted for their knowledge in the respective areas of their subjects.

We not only keep ourselves updated, but also regularly update our teaching /learning materials along with the changing patterns of the entrance examination questions by various universities in Nepal and abroad. We have created amicable atmosphere where teaching/learning is fun and at the same time productive. We have been made more responsible and aware of quality because of the continuous support of students and guardians.

Our digital platform like PEA Digitals and weekly mock tests foster confidence in students' mind and at the same time help us appraise the progress of our students. We think it should be our prime concern to contemplate on the welfare of our students which is only possible by providing them commodious learning environment, for which we have been doing almost everything best to our capabilities and knowledge.

Finally, I would like to assure aspiring engineers to join us for getting what they have been looking for, i.e., to brighten their future by whetting their minds on the real educational platform that we have been providing since the inception of our institution.



Sanat Kumar Giri
Principal, PEA Association

Who can take these courses?

Students, who have passed or appeared +2/Dip. Engg. or equivalent exam with a minimum aggregate grade C in each subjects or 2.00 GPA with at least 100 full marks in mathematics are eligible to enter

at PEA. Admission is on a first come first basis but higher priority is given to the pre-registered students (those who have done booking already).

Course of study

Detail syllabus for engineering & IT entrance is provided along with this booklet. The course is designed and adjusted to suit the entrance exams of:

- IOE, Pulchowk, TU.
- Indian/Japanese Embassy.
- KUCAT (KU Common Admission Test)
- Pokhara University
- Purbanchal University
- BSc.CSIT, TU (IoST, TU)

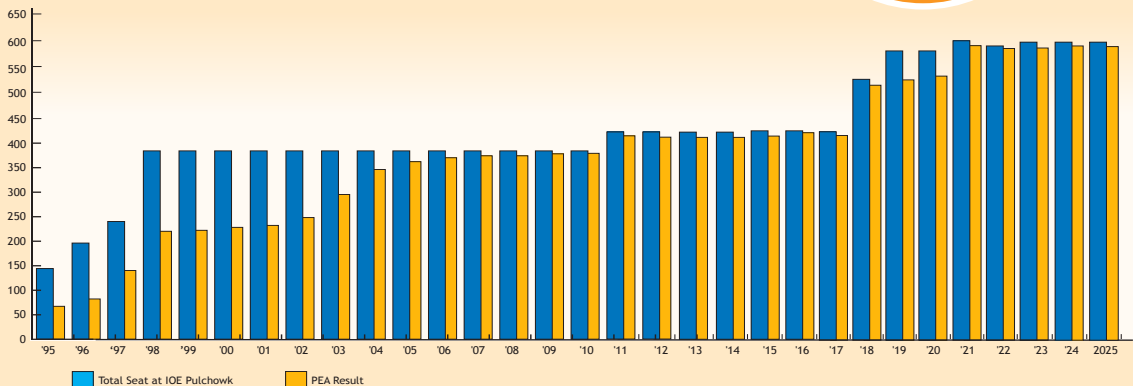
Course Duration

Courses are run for 6-8 months at PEA for off season students (approximately 450 - 500 credit hrs) and 3-4 months for recently passed +2 students. Courses are especially designed to sharpen skills and knowledge. Weekly and daily exams are conducted to improve students' progress and score higher. Computer based test (CBT) are conducted (exactly similar to IOE) to familiarize and build up confidence for various entrance examinations.

Note: One interesting fact that we prefer to mention here is that the PEA-students (who once have completed the course run by PEA) not only enter into engineering career easily but they acquire top positions in their further education too. So these courses are advantageous even for a long-term future of the students.



PEA's Glorious History



Every year more than 95% of merit list in Institute of Engineering, Pulchowk Campus, 80% in Indian Embassy and KU are covered by PEA Students and they have covered more than 80% of merit list in B.Sc. Computer Science and B. Sc. Environmental Science, BSc CSIT, BSc. Forestry, BSc. Agriculture, B. Tech. (food) of TU every year.

Entrance Exam	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
IOE (Pulchowk)	67 out of 144	82 out of 196	140 out of 240	220 out of 384	222 out of 384	228 out of 384	232 out of 384	248 out of 384	295 out of 384	346 out of 384	362 out of 384	370 out of 384	374 out of 384	374 out of 384	378 out of 384	379 out of 384	424 out of 432	422 out of 432	423 out of 432	422 out of 432	423 out of 432	424 out of 432	422 out of 432	514 out of 528	558 out of 576	556 out of 576	598 out of 624	580 out of 624	595 out of 624	598 out of 624	590 out of 624
KU	13	17	43	28	23	38	64	74	92	152	164	160	162	173	195	245	254	256	272	280	280	284	295	308	392		391	450*	480*	480*	500*
Indian Embassy	18 out of 50	26 out of 50	24 out of 50	33 out of 50	25 out of 50	26 out of 50	33 out of 50	32 out of 50	41 out of 50	43 out of 50	28 out of 50	24 out of 32	54 out of 71	52 out of 70	54 out of 70	112 out of 140	124 out of 160	128 out of 160	131 out of 160	125 out of 140	Exam Cancelled	135 out of 140	124 out of 140	122 out of 140	Result not Published	Result not Published	Result not Published	Result not Published	Result not Published	Result not Published	Result not Published
Other engg. College ^a	7	18	21	55	110	140	220	500	600	650	700	1000	1100	1300	1800	2000	2400	2800	3000	3500	4000	4200	4500	4400	4400	4500	4500	4500*	4800*	4800*	5000*
Total*	117	143	241	244	403	403	565	865	1115	1211	1304	1554	1690	1899	2427	2870	3202	3606	3826	4327	4703	5043	5341	5344	5473	5600	5590	5630*	5775*	5780*	6000*

PEA Faculties

Department of Mathematics

Prof. Dr. S.K. Mishra (SKM)
Prof. Dr. Vinod Parajuli (VP)
Prof. Dr. Parameshwari Kattel (PK)
Prof. Dr. Santosh Ghimire (SG)
Prof. Dr. Ramesh Chandra Timalina (RCT)
Dr. Chet Nath Tiwari (CNT)
Dr. Bekha Ratna Dangol (BD)
Dr. Jeevan Kafle (JK)
Dr. Pawan Shrestha (PS)
Dr. Jhavi Ghimire (JG)
Mr. Jayram Subedi (JRS)
Mr. Kishor Chalise (KC)
Mr. Eshwor Poudel (EP)
Mr. Subash Chandra Jha (SCJ)
Mr. Bipin Kumar Sah (BKS)
Er. Durgesh Kumar Yadav (DKY)

Department of Chemistry

Prof. Dr. R. K. Sharma (RKS)
Dr. B.D. Bhatta (BDB)
Dr. Manoj Kumar Jha (MKJ)
Dr. Narendra Kumar Singh (NKS)
Mr. Kabindra Pandey (KP)
Mr. Rajendra Saptoka (RPS)
Mr. Bishnu Prasad Panthi (BPP)
Mr. Uday Kumar Jha (UJ)
Mr. Santosh Kumar Thakur (SKT)
Mr. Rajesh Kumar Sah (RKS)
Mr. Rajesh Poudel (RP)
Mr. Sunil Mahato (SM)
Mr. Deo Shankar Pd. Singh (DSP)
Mr. Pravesh Poudel (PP)
Mr. Sarad Kumar Sundar (SKS)
Mr. Madhurendra Singh Rajput (MSR)

Department of Physics

Asso. Prof. Swatantra Tamrakar (SMT)
Prof. Dr. Nurapati Panta (NPP)
Prof. Dr. Raju Bhai Tyata (RBT)
Dr. Shambhu Kumar Das (SKD)
Dr. Manoj Kumar Chaudhary (MKC)
Dr. Chhabilal Gnawali (CG)
Dr. Shaligram Bhandari (SRB)
Mr. Manu Kumar Khatri (MKK)
Mr. Sudhir Kumar Jha (SKJ)
Mr. Sanat Kumar Giri (SKG)
Mr. Gajendra Narayan Singh (GS)
Mr. Ram Tiwari (RT)
Mr. Saroj Baral (SB)
Mr. Bashistha Chaudhary (BC)
Mr. Kabi Raj Gautam (KRG)
Mr. Bijaya Dangal (BDP)
Mr. Nunu Lal Shah (NLS)
Mr. Janak Sharma Lamsal (JSL)
Mr. Niraj Niraula (NNP)
Mr. Rajendra Prasad Pokharel (RPP)
Er. Rajeshwor Khang (RK)
Er. Bijay Puri (BJP)
Er. Mukesh Kumar Sah (MKS)
Er. Santosh Thakur (ST)
Mr. Aman Yadav (AY)

Department of English

Asso. Prof. B.R. Bajracharya (BRB)
Prof. Raj Kumar Yadav (RKY)
Dr. Ravi Shrestha (RS)
Mr. Subas Sharma (SS)
Mr. Durga Gautam (DG)
Ms. Samita Lamichhane (SL)
Mr. Amit Karna (AK)

PEA Books & Materials

On the way of our 32 years of serving the students for the Engineering and IT entrance preparation, we happened to publish number of books keeping in mind that they will be very helpful to students appearing Engineering and IT entrance examinations of various universities and institutions. We have been getting encouraging feedbacks because these books has been especially designed as a text book of all most all competitive examinations taken at the following institutions:

- IOE, Pulchowk (TU)
- IOST for BScCSIT (TU)
- Kathmandu University (KU)
- Indian Embassy (IE)
- PU, POU & Other Institutions

The materials of these books were collected based on the type of questions generally asked and has been modeled so as to serve, as best as possible, the requirement of the students. At least 6 number of books are distributed to the students taking admission at PEA. They are as follows:

- PEA's Objective Mathematics for Engineering & IT Entrance
- PEA's Objective Physics for Engineering & IT Entrance
- PEA's Objective Chemistry for Engineering & IT Entrance
- PEA's Objective English for Engineering & IT Entrance
- PEA's Questions Bank for Engineering & IT Entrance
- PEA's Questions Bank for BScCSIT Entrance

These above specified book contain sufficient number of typical Multiple Choice Questions (MCQs) in each chapter with required hints & solutions. Beside these books we provide sufficient amount of required materials and handsout to the PEA students. We also provide chapterwise questions after completing each chapter for QAD session.

We would like to thank all the faculty members curriculum department of PEA for their contribution to publish these marvellous piece of books and materials.



GETTING STARTED WITH PEA DIGITAL SERVICES



PEA Digitals

Redefining Engineering/IT, Entrance Preparation

With 32 years of mentoring excellence, PEA has an unprecedented record of guiding thousands of students in achieving their engineering dreams. While retaining this legacy with a visionary mindset and relentless drive, PEA strives to make a groundbreaking leap into the digital era with 'PEA Digitals'. It is a state-of-the-art online learning platform aimed to revolutionize engineering entrance preparation accessible, efficient and comprehensive for the aspiring students across the nation with cutting-edge digital tools, expert-driven resources and an intuitive learning environment that leverages aspirants receive unparalleled support in their journey of preparation.



Registration Procedure

- 1 Go to **peadigitals.com** or **www.pea.edu.np** and '**Register**' with your name and email.
- 2 Check your **email** to complete the email verification
- 3 **Login** via browser or mobile app.
- 4 Enter your **mobile number** and **verify** it with the **OTP**
- 5 Complete the remaining details
- 6 You're all set ! **Login** using your verified e-mail or mobile number.





Why to Choose PEA Digitals? (Medical & Engineering/IT)

1. Comprehensive Syllabus Coverage

More than 500+ hours of video lectures delivered by top-notch professors, expert authors, and seasoned educators.

2. Extensive Question Bank

Over 60,000⁺ MCQ's with necessary hints and solutions to sharpen your problem-solving skills.

3. Simulated Testing Environment

- Weekly exams and IOE/BScCSIT/CEE & More modeled simulated tests for time management and exam format familiarization.
- Test series tailored for IOE, CEE, KU, PU, Indian Embassy, and other universities entrance exams.
- Stay ahead with daily updated capsules covering the most relevant topics for entrance exams.

4. Advanced Performance Tracking

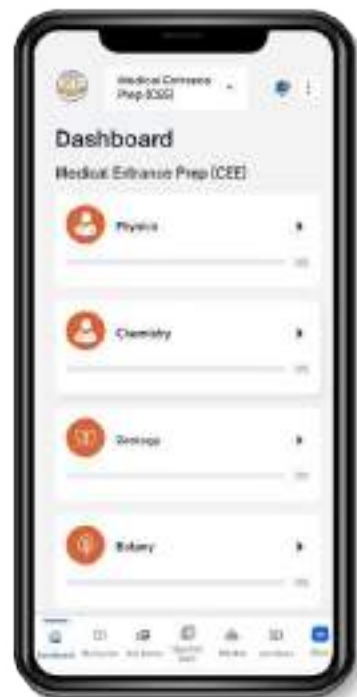
Automated performance reports and leaderboards to monitor progress and identify areas for improvement.

5. Digitized Resources

Access to digitized textbooks, notes, and other learning materials for anytime, anywhere preparation.

6. Interactive Learning Tools

Live sessions and peer discussion forums for collaborative learning.



Available Courses

Physical Classes

B.E./B.Arch. Entrance Preparation
BScCSIT Entrance Preparation

Online Classes

B.E./B.Arch. Entrance Preparation
BScCSIT Entrance Preparation

PEA Books/Materials

Daily/Weekly Model Tests

PEA Digitals (Engineering & Medical Both)

Scholarships/Offers

Students who have pre-booked their seats for the BE/B Arch./ BScCSIT entrance Prep. Course will receive a discount of 30% on their total tuition fees.

Any fees paid by students who have taken Pre-Engineering prep classes from PEA and decide to join physical classes will be deducted from their tuition fee.

Students who have participated in the PEA Engineering/IT Quiz will receive a direct discount of 50% on their tuition fee.

The finalists (final round) of the PEA Engineering/IT Quiz will receive a 100% discount on their tuition fee.

The school/college topper from each institution will be provided with a special discount on their tuition fee, but evidence of their achievement must be provided by the college/school.

Students who pay their complete fees at the time of admission will receive free access to PEA Digitals.

Extra-Curricular Highlights & Awards



IOE Toppers (2080-2082)



Sagar Parajuli
Rank : 2
Global, KTM (2082)

PEA holds a special place in my heart as it played a significant role in shaping who I am today. The teachers of the institute were not just educators but also mentors who genuinely cared about our growth. The way they helped to step us forward towards our journey taking all of us together was truly inspiring. PEA made me go ahead to tackle the entrance exam from the first day. I gained not only academic knowledge but also life skills and unforgivable memories. It's a place I'll always cherish for its positive impact on in personal and professional journey.



Sumyak Limbu
Rank : 3
KMC, Bagbazar (2082)

I want to share how I prepared for the exam and offer tips to help other students. Preparing for entrance exams can be challenging, but with the right approach, it becomes manageable and rewarding. For me, staying consistent with my study routine, focusing on understanding concepts instead of memorizing, practicing as many questions as possible, managing my time well, staying motivated, and believing in myself were key to achieving the result. I hope these tips inspire and guide others to do their best.



Ritu Adhikari
Rank : 5
SOS, Sanothimi (2082)

I would like to express my heartfelt gratitude to PEA for providing me with exceptional guidance and support during my engineering entrance preparation. The dedication and expertise of the instructors, along with the institution's well-structured program, played a pivotal role in shaping my foundation and boosting my confidence. Thank you, PEA, for being an integral part of my academic journey!



Kritan Lamichhane
Rank: 1
SOS, Pokhara (2081)

I would like to express my heartfelt gratitude to PEA for their unwavering support and guidance throughout my entrance exam preparation journey. The interactive classroom session, innovative teaching techniques and constant encouragement played a pivotal role in helping me stay focused and motivated. I am immensely thankful to the entire team for helping me achieve this milestone. This success is as much as theirs as it is mine.



Manu Sharan Kumar
Rank: 1
MOLISS, 2080

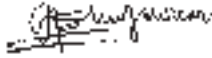
My journey to PEA started from PEA's IT Quiz. But the moment I became fully involved in PEA was when I met with Nabaraj Sir. He helped me to get fully equipped with all the important and helpful resources like books, reference books and many more that were required for better preparation in IOE Entrance Exam as he recognized my merit. I am very thankful to all the teachers and staff at PEA who helped me to accomplish my goal and I encourage all the students to utilize all the resources like PEA Digital for best result in IOE Entrance Exam.



since 1994
PEA
Association Pvt. Ltd.

Messages from past students of PEA (2070-2079)

PEA proved to be the best choice for me to achieve my goal even in the short period. I am proud to be the student of this institution and remain thankful to the whole team.




Ashu Adhikari
IOE Topper 2070
Score: 89.143%
Budhanilkantha

PEA made it possible for me to stand above the crowd. I really had not explored my potential and thought that I could achieve the first position. I am sure PEA maintains this quality for ages.




Utsav Neupane
IOE Topper-2071
Score: 91.566%
St. Xavier's

I am proud to be the student of PEA and I honour the quality and system of PEA that helped me achieve the first position in IOE entrance exam 2072. I am somehow disappointed for issues of associating my name by other institution for their selfish motives. I can't give any credit of my success to other than PEA.




Arbind K Gupta
IOE Topper, 2072
Score: 92.14%
Pentagon

I now realise that my decision to join PEA was a turning point in my life. It not only helped me achieve the first position in the entrance examination but also added many values of life would shape my glorious future.




Sudeep Bhandari
IOE Topper, 2073
Score: 91.36%
CCRC

It was a tough time for me to decide where I would join for my entrance exam. Now I feel I was not wrong to join PEA that paved my path of success. I am truly indebted for all guidance and support. PEA is the guardian of thousands of engineers of Nepal.



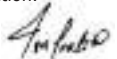

Rabin Adhikari
IOE 1st TOPPER, 2074
SOS, Chitwan

It was a tough time for me to decide where I would join for my entrance exam. Now I feel I was not wrong to join PEA that paved my path of success. I am truly indebted for all guidance and support. PEA is the guardian of thousands of engineers of Nepal.




Atul Kumar Karn
IOE 1st TOPPER, 2075
Orion Int'l

With higher expectations and big dreams. I joined PEA right after my +2 for IOE entrance preparation which i believe was the best decision, i made and i suggest my juniors to do the same. The teaching methodology and the study materials provided by PEA were phenomenal and the weekly mock tests were competitive and encouraging which helped me sharpen my skills. I suggest all the IOE aspirants to join PEA for IOE entrance preparation.




Pratik Dahal
IOE 1st TOPPER, 2076
Bishnu Memorial, Dharan

To win a war we need to learn from the individual battles and improve ourselves and apply the lessons in the battle that matters the most. PEA's weekly tests and question banks were like these small battles. They helped me improve gradually and taste victory. For this, I am thankful to the PEA. To every IOE aspirant keep working hard and pushing yourself to the limits. The fruit will be sweet.




Suman Tamang
CCRC
IOE Rank 1st, 2077

"Success is the aggregate of little efforts, repeated day in and day out; every day making yourself an improved one." Studying through Pea's Question banks and Engineering Dote App are some little efforts I have made to develop the skills required for the Entrance Exam. I am thankful to the PEA family for these all. To every IOE aspirant, Be consistent with your preparation. Be honest with yourself, be mentally prepared, and instead of taking stressor results, enjoy your subjects and preparation..




Nirajan Sah
CCRC
IOE Rank 1st, 2078

There are no secrets to success. it is the result of preparation, hardwork and learning form failures PEA's question bank, proper guidance from dedicated teacher and other study materials provided by PEA helped me to prepare myself for the coming exam. the competition i felt by giving weekly tests and daily online exam made me work harder and helped me understand my level compared to my competitors. So, i think joining PEA has made a huge difference to me in getting full scholarship in Pulchowk Campus. But i knew only joining the institute won't help me get the Scholarship i desired. Therefore, i attentively listened during classes. I never missed a weekly test or daily capsule test at engineeringdote app. I practiced and revised a lot at home and tried to improve everyday.




Kushal Karki
Trinity
IOE Rank 1, 2079

Messages from past students of PEA (2060-2069)

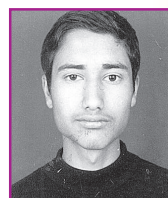
"I am clearly elated by attaining first position in B. E. Entrance at Pulchowk. Yet, my gratitude goes to Progress Educational Academy (PEA), which with the guidance of qualified teachers, annexed me to systematic study and boosted my calibre so as to consecrate me on my study and consolidate me to my goal. I am gratified with my successful performance in B. E. and PEA is responsible for bringing me to this hayday."



Lekhnath Bhusal
IOE Topper, 2060
IOE Score : 91.429%
WRC, Pokhara

It is my great pleasure to write few words in this PEA's brochure. Well, two and a half months in PEA was of great significance to me, especially because I got the encouragement that helped to build my confidence.

Finally, I would like to thank my family, my school A.V.M., St. Xavier's collage, PEA, and all the teachers who taught me.



Bishesh Khanal
IOE Topper, 2061
IOE Score : 93.43%
St. Xavier's

Dear Friends,

PEA is the right way you should walk ahead. The success of students of PEA of previous batch is ahead of you as an open book. PEA, with its team of highly qualified & experienced teachers and sound management, would boost your knowledge, performance and confidence. I wish for the success of all deserving students in the Engineering Entrance Exam.



Sugan Shakya
IOE Topper, 2062
IOE Score : 94.857%
National Open College

My dream, to get admission in Pulchowk Campus, came to be true only through PEA. PEA is the best institute that an engineering student would choose. Materials provided and weekly model exams remarkably helped me. Thank you PEA !!



Sudha Lohani
IOE Topper, 2063
IOE Score : 96.286%
St. Xavier's

PEA's assets are its good management, peaceful environment, enthusiastic teachers, their scientific teaching methodology and tireless guidance, weekly conducted mock exams and highly competitive students' circle. After completing my +2, I was in great dilemma how to pursue my dream to study engineering in renowned Pulchowk Campus. Luckily, I got to join PEA and within very short duration, it boosted my confidence and now, its like dream come true. Thanks PEA.



Pankaj Jaiswal
IOE topper, 2064
IOE Score: 94.857%,
Glorious, Butwal

PEA proved to be the master guide for all the students roaming outside losing their right track. Highly qualified and experienced professors, incomparable teaching materials, competitive exams, proper guidance, academic and friendly environment of PEA converts anyone's dream to be an Engineer into reality. It's a great pleasure to be a part of PEA.

God bless you PEA!!!



Keshav Raj Pokhrel
IOE Topper, 2065
IOE Score : 88.571%,
Pinnacle Academy

I would like to thank PEA for my success in IOE Entrance Exam. The excellent teaching faculties and good management make it the best institute of its kind. The weekly model tests definitely helped me a lot to boost up my skills to tackle MCQ's. I would like to recommend PEA as the best choice for all the engineering aspirants.



Sirish Dwa
IOE Topper, 2066
IOE Score : 97.143%
St. Xavier's

Firstly, I wish to thank our principal Laxman Sir and PEA family for all their help, encouragement and support. I am very humbled by the manner and enthusiasm with which the PEA family has included me in its circle of elite students and teachers. I have gained very much from PEA and I am very thankful for it. I am very sure that hardworking students stand to gain a lot from PEA and what it has to offer.



Shikhar Rai
IOE Topper, 2067
IOE Score : 90.286%
VS Niketan

The results of PEA has again proved itself to be the best. After my +2, I was in dilemma in choosing an institute that could help me to achieve my goal. With confusion, in my mind, I joined PEA but now I am proud for my decision. PEA's materials, qualified and experienced teachers, weekly model test really helped me a lot to boost my performance and confidence for paving my way to success. Thank you PEA.



Kapil Devkota
IOE Topper, 2068
IOE Score : 94.286%
St. Xavier's

After completion of my +2 study, I was strongly determined to be an Engineer. I closely watched all the B.E entrance preparation institutes in Kathmandu and received information from my seniors. It was amazing to find the truth that over 90% student studying at IOE taken their entrance preparation classes at PEA without any hesitation I, then joined PEA. I strongly recommended all of you that PEA is the best choice for B.E entrance preparation.



Belove Bista
IOE Topper, 2069
IOE Score : 92.571%
Whitehouse, Khumaltar

Brief Review of Opportunities in

ENGINEERING BRANCHES



Civil Engineering

Civil engineering is a professional engineering discipline that deals with the survey, design, construction, and maintenance of the physical and naturally built environment, including work like roads, bridges, canals, dams, and buildings. [Wikipedia Inc].

Career Prospects

Civil Engineers are required at Dept. of road, Dept. of Irrigation, Ministry of Local Development, Nepal Electricity Authority, Dept. of Building, Different Engineering Colleges, Private Construction Companies, Engineering Consultancies, etc.



Electronics & Communication Engineering

Electronics & Information Engineering is an Engineering discipline which utilizes non-linear and active electrical components (such as electron tubes, and semiconductor devices, especially transistors, diodes and integrated circuits) to design electronic circuits, devices and systems. [Wikipedia Inc]

Career Prospects

Telecommunication Sector, Manufacturing sector, Hydro-powers, Government Sectors, Networking, AEPC, Chip Design Industries, Robotics, etc.



Bachelor in Architecture(B.Arch.)

B. Arch. is 5 years graduate program in Architecture, design and structure of building covering the sociological, systematic and environmental aspect. Architects focus several areas, including: the structural integrity of buildings, the design and analysis of heating, ventilating and air conditioning system, efficiency and design of plumbing, fire protection and electrical system, acoustic and lighting planning, and energy conservation issues.

Career Prospectus

Department of Building, Department of Urban Planning, Engineering Consulting Firms, Construction Companies etc.



Computer Engineering

Computer engineering is a discipline that integrates several fields of electrical and/or electronics engineering and computer science required to develop computer hardware and software. [Wikipedia Inc].

Career Prospects

Software Development Industry, Telecommunication Companies, Governmental Sector (big demand as e-Government is in pipeline), Banking Sector, MIS of diverse variety of organizations, Self-employment (easy and cheap establishment of business in the field of software development), High potential of abroad job opportunities

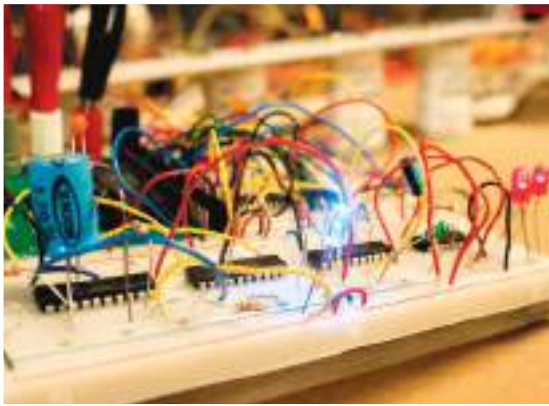


B.E. Information Technology (BEIT & BSc.CSIT)

Students who have an interest in web and internet technology, database management may pursue this course. Students may also go for BSc.CSIT course, but BEIT degree is more valuable. It is aimed at training students to become Information management experts and put their skills to support various industries and spheres of life.

Career Prospects:

The opportunities of IT Engineers are in IT/Software Companies, Banking Sectors, Computerized Govt. Offices, Engineering/IT Colleges, Industrial Sectors, Call Centers etc.



Electrical Engineering

Electrical engineering is a field of engineering that generally deals with the study and application of electricity, electronics, and electromagnetism. [Wikipedia Inc]. Electrical Engineering mainly deals with the electrical equipments used like transformers, generators, pumps, electrical vehicles, etc.

Career Prospects

Electrical Engineers are mainly required at Nepal Electricity Authority, Hydropower Companies, Lighting System in large complexes and apartments, Alternative Energy Promotion Center (AEP), Different Engineering Colleges, etc.



Mechanical Engineering

Mechanical engineering is the discipline that applies the principles of engineering, physics, and materials science for the design, analysis, manufacturing, and maintenance of mechanical systems. It is the branch of engineering that involves the design, production, and operation of machinery. It is one of the oldest and broadest of the engineering disciplines. [Wikipedia Inc]

Career Prospects

The engineering field requires an understanding of core concepts including mechanics, kinematics, thermodynamics, materials science, structural analysis, and electricity. Mechanical engineers use these core principles along with tools like computer-aided design, and product lifecycle management to design and analyze manufacturing plants, industrial equipment and machinery, heating and cooling systems, transport systems, aircraft, watercraft, robotics, medical devices, weapons, and others.



Automobile Engineering

Automobile Engineering is a branch of engineering which teaches manufacturing, designing, mechanical mechanisms as well as operations of automobiles. It is an introduction to vehicle engineering that deals with motorcycles, cars, bus, trucks etc.

Career Prospects:

The opportunities of Automobile engineers are in Automobile Manufacturing, and assembling industries, vehicle service station, vehicle dealers and showrooms etc.

Aerospace Engineering

Aerospace engineers typically specialize in one of two types of engineering: Aeronautical or Astronautical. Aerospace engineering specially deals for design, manufacture, maintenance, management & marketing of aircraft as well as spacecraft. Aerospace engineers often become experts in one or more related fields: aerodynamics, thermodynamics, materials, celestial mechanics, flight mechanics, propulsion, acoustics and guidance & control systems.

Career Prospects:

The opportunities of Aerospace Engineers are in aircraft designing & manufacturing companies, aircraft assembling industries, aircraft maintenance service in various airlines companies, ground and airport management and space agencies of different countries.



Industrial Engineering

Industrial engineering is a branch of engineering which deals with the optimization of complex processes or systems. It is concerned with the development, improvement, and implementation of integrated systems of people, money, knowledge, information, equipment, energy, materials, analysis and synthesis, as well as the mathematical, physical and social sciences together with the principles and methods of engineering design to specify, predict, and evaluate the results to be obtained from such systems or processes. [Wikipedia Inc].

Career Prospects

This is the combination of Mechanical, Electrical Engineering as well as Management. They can work in manufacturing industries, Food processing industries, Department of Industry etc.



Chemical Engineering

Chemical engineering is a branch of engineering that uses principles of chemistry, physics, mathematics, biology, and economics to efficiently use, produce, transform, and transport chemicals, materials, and energy. A chemical engineer designs large-scale processes that convert chemicals, raw materials, living cells, microorganisms, and energy into useful forms and products. [Wikipedia Inc.]

Career Prospectus

Chemical engineers have high demand in the pharmaceutical, cements, steels, paper, food and beverage industries. Most of these industries recruit them from the foreign markets. Further, our country is currently running big and small industries and many mechanical, civil and electrical engineers are involved in such diverse fields. Until now, no single academic institute in Nepal has chemical engineering curriculum other than Kathmandu University.



Agricultural Engineering

Agricultural engineering is the engineering discipline that applies engineering science and technology to agricultural production and processing. [Wikipedia Inc] Agricultural engineering combines the disciplines of mechanical, civil, electrical and chemical engineering principles with a knowledge of agricultural principles.

Career Prospects

Agricultural engineers may perform tasks such as planning, supervising and managing the building of dairy effluent schemes, irrigation, drainage, flood and water control systems, performing environmental impact assessments, agricultural product processing and interpret research results and implement relevant practices. A large percentage of agricultural engineers work in academia or for government agencies. Some are consultants, employed by private engineering firms, while others work in industry, for manufacturers of agricultural machinery, equipment, processing technology, and structures for housing livestock and storing crops. Agricultural engineers work in production, sales, management, research and development, or applied science.



Bio-Medical Engineering

Biomedical engineering is the application of the principles and problem-solving techniques of engineering to biology and medicine. This is evident throughout healthcare, from diagnosis and analysis to treatment and recovery, and has entered the public conscience through the proliferation of implantable medical devices, such as pacemakers and artificial hips, to more futuristic technologies such as stem cell engineering and the 3-D printing of biological organs.

Career Prospects

Biomedical engineers can work in manufacturing industries, healthcare and medical facilities, consultancies, government medical organizations and research organisations. Some of the top recruiting companies are Phillips, Siemens, GE Healthcare and the like. The technological revolution coupled with advancements in healthcare has given impetus to the demand for Biomedical Engineers. The combination of engineering principles with biological knowledge to address medical needs has contributed to the development of revolutionary and life-saving concepts such as artificial organs, surgical robots, advanced prosthetics and many more.



Environmental Engineering

Environmental engineers use the principles of engineering, soil science, biology and chemistry to develop solutions to environmental problems. They work to improve recycling, solid waste disposal, public health, water and air pollution control, etc.

Career Prospects

Environmental engineers can work at food processing industries, mines, textile industries, refiners, water treatment plants, fertilizer industries, distilleries, breweries, urban development forest department, water resources department, agriculture sectors, NGOs, INGOs, etc.



Geomatics Engineering

Geomatics engineering also known as digital surveying engineering or geospatial science applies engineering principles to spatial information and implement relational data and manage local, regional, national and global spatial data infrastructure. Geomatics engineers utilize a wide range of technologically advanced tools such as digital theodolite, total station, GPS equipment, digital aerial imagery and computer based GIS.

Career Prospects

- Department of survey and other governmental agencies involved in land management and infrastructure development.
- Urban Planners
- NGOs, INGOs



ARTIFICIAL INTELLIGENCE (AI)

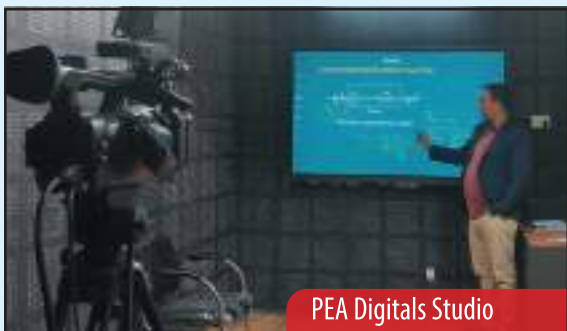
Artificial Intelligence (AI) is transforming diverse sectors by automating complex tasks and analyzing data at a scale humans cannot match. In healthcare, it accelerates drug discovery and improves diagnostic accuracy, while the finance sector relies on it for real-time fraud detection and algorithmic trading. Manufacturing and logistics use AI for predictive maintenance and route optimization to slash operational costs, while retail and education leverage it to provide hyper-personalized experiences for consumers and students. From managing smart grids in the energy sector to streamlining legal research, AI acts as a universal catalyst for efficiency and innovation across the global economy.

Career Prospects

Artificial Intelligence (AI) can work at Healthcare, Finance & Banking, Manufacturing, Retail & E-Commerce, Automotive, Cyber Security, Transportation & Logistics, etc.



Quiz winner 2025



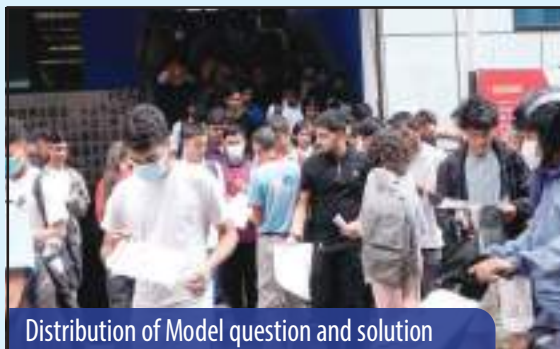
PEA Digitals Studio



CBT Model Exam



Physical Model Exam



Distribution of Model question and solution



IOE Topper 2081



PEA Canteen

National Level Quiz

for +2 or equivalent Science Studying Students

With the approach of 'learning by playing', PEA has been conducting Nationwide quiz contests targeted for +2 and equivalent students.

Objectives

- Familiarizing NEB/ IOE syllabus and helping students to score high ranks in IOE Entrance test.
- Informing and Uplifting modern learning means, techniques and making education accessible outside the classroom.
- Finding hidden talents from across Nepal and recognizing their potential.
- Promoting Engineering/IT Education and inspiring young students to pursue a career in engineering & IT.

Course Contents (of NEB +2 Science)

- ❖ Physics
- ❖ Chemistry
- ❖ Mathematics

Prizes, Scholarships & Gifts Hampers

All the participants of PEA Quiz get 50% tuition fee at PEA with PEA Digitals and they will receive 50% scholarships for BE, B. Arch, IT Programs & B. Tech program from colleges sponsoring the PEA Engineering and IT Quiz.

Final round selected students from each center get 100% tuition fee at PEA with PEA Digitals and Trophy/Medal/Certificate of Participation. they will receive 100% scholarships for BE, B. Arch, IT Programs & B. Tech program from colleges sponsoring the PEA Engineering and IT Quiz. The provincial winners win Rs. 10,000/- cash prize on top of above.

Nationwide winners will get Full Scholarships for BE, B. Arch, IT Programs & B. Tech program from colleges sponsoring the PEA Engineering and IT Quiz. along with Rs. 1,00,000/- cash prize and two laptops.

Nationwide first runner-up team will get Full Scholarships for BE, B. Arch, IT Programs & B. Tech program from colleges sponsoring the PEA Engineering and IT Quiz. along with Rs. 50,000/- cash prize.

Nationwide second runner-up will get Rs. 25,000/- cash prize and consolation prize of this tournament is 10,000/-. They will receive full scholarships for BE, B. Arch, IT Programs & B. Tech program from colleges sponsoring the PEA Engineering and IT Quiz.



PEA'S RESULT AT IOE Pulchowk campus 2082 (97 out of TOP 100)

 Ayush Parajuli Rank: 1 SOS, Gandaki	 Sagar Parajuli Rank: 2 Global, KTM	 Sunny Limbu Rank: 3 KMC, Bagbazar	 Sagar Pandey Rank: 4 South Western	 Ritu Adhikari Rank: 5 SOS, Sanathimi	 Sampanna Subedi Rank: 6 Dharan Megha	 Nischal Dangol Rank: 7 KMC, Bagbazar	 Rajiv Ghimire Rank: 8 Vishwa Adarsha, Jhara	 Seezan Neupane Rank: 9 SOS, Gandaki	 Bibek Sharma Rank: 10 New Capital, Chitwan	 Aryan Maharjan Rank: 11 KMC, Bagbazar	 Sudarshan Dhunge Rank: 12 Dharan Adarsha
 Sagar Joshi Rank: 13 St. Xavier's	 Abhishek Karn Rank: 14 Kanchanjanga, Jhapa	 Kumud Timalina Rank: 15 St. Xavier's	 Avash Upreti Rank: 16 St. Xavier's	 Binod Kalle Rank: 17 NIST	 Rijan Kathayat Rank: 18 MMC	 Biraj Bhusal Rank: 19 St. Xavier's	 Rakesh Mahara Rank: 20 Radiant	 Nischal Shrestha Rank: 21 KMC	 Samita Regmi Rank: 22 KMC	 Samarpan Bhattarai Rank: 23 St. Xavier's	 Alok Thapa Magar Rank: 24 Tilottama
 Srijan Regmi Rank: 25 St. Xavier's	 Sameep Paudel Rank: 26 St. Xavier's	 Sonik Bhusal Rank: 27 Orchid Chitwan	 Subarna Baidhya Rank: 28 St. Xavier's	 Mukesh Bhatt Rank: 29 NAST	 Pranil Neupane Rank: 30 Orchid Chitwan	 Sujan Khatri Rank: 31 St. Xavier's	 Nischal Subedi Rank: 32 SOS, Gandaki	 Dev Chandra Adhikari Rank: 33 Trinity Int'l S.S.	 Sarthak Subedi Rank: 34 JCA, Pokhara	 Darshan Subedi Rank: 35 St. Xavier's	 Nayan Timsina Rank: 36 Sainik, Bhaktapur
 Ajay Kumar Mehta Rank: 37 BKVM, Biratnagar	 Jenish Malla Rank: 38 Prativa, Pokhara	 Bishal Nepal Rank: 39 St. Xavier's	 Saijya Aryal Rank: 40 KMC, Bagbazar	 Sauhard Pandit Rank: 41 Trinity Int'l S.S.	 Prayash Thapaliya Rank: 42 St. Xavier's	 Arogya Sapkota Rank: 43 Motherland, Pokhara	 Pramish Sharma Rank: 44 Kim, Bernhardt	 Pranjal Chaudhary Rank: 45 KMC, Bagbazar	 Sujal Pant Rank: 46 KMC, Bagbazar	 Subash Shrestha Rank: 47 Nikantaha, Dardhing	 Aditya Dahal Rank: 48 KMC, Bagbazar
 Roshan Dulal Rank: 49 KMC, Bagbazar	 Nikit Shrestha Rank: 50 Tilottama	 Mohit Avasthi Rank: 51 NAST	 Prashant Mandal Rank: 52 Alpine S.S.	 Krishti Lamichhane Rank: 53 Amarsingh, Pokhara	 Praboth Bhurtel Rank: 54 Trinity	 Kamal Rawal Rank: 55 Eagerridge	 Nikit Bhatta Rank: 56 CCRC	 Ayush Rijal Rank: 57 Shikshadeep, Biratnagar	 Bibek Shrestha Rank: 58 NIST	 Saiman Paneru Rank: 59 Bluebird	 Apil Bhandari Rank: 60 Motherland
 Aadarsh Thakur Rank: 61 St. Xavier's	 Samir Neupane Rank: 62 Tilottama	 Gaurav Bhattarai Rank: 63 Shikshadeep, Biratnagar	 Saroj Thapa Rank: 64 Uniglobe S.S.	 Biswash Rawat Rank: 65 SASA, Surkhet	 Chandan Kumar Panjiyar Rank: 66 Prasadi Academy	 Mahodaya Bhandari Rank: 67 Uniglobe S.S.	 Dayakrishn Joshi Rank: 68 NAST	 Kishor Bhatta Rank: 69 KMC, Bagbazar	 Jasman Poudel Rank: 70 NI, Birgunj	 Tangsep Chongbang Rank: 71 St. Xavier's	 Dibyansu Acharya Rank: 72 St. Xavier's
 Swikar Devkota Rank: 73 Orchid Chitwan	 Sabal Gupta Rank: 74 Motherland	 Samrat Acharya Rank: 75 St. Xavier's	 Sankalpa Gautam Rank: 76 GBS, Pokhara	 Dipesh Sharma Rank: 77 KMC, Bagbazar	 Nirajan Sapkota Rank: 78 Sindhuli Technical	 Nitesh Bhusal Rank: 79 KMC, Bagbazar	 Kushal Dangri Rank: 80 CCRC	 Pawan Neupane Rank: 81 Kalika Manav Gyan S.S.	 Sushant Kunwar Rank: 82 Sainik, Pokhara	 Baivhav Dhitai Rank: 83 St. Xavier's	 Sanjaya Paudel Rank: 84 Motherland
 Santosh Ayadi Rank: 85 CCRC	 Birendra Mahara Rank: 86 NAST	 Sujit Niroula Rank: 87 Global	 Shaijal Basyal Rank: 88 St. Xavier's	 Anmol Shrestha Rank: 89 St. Xavier's	 Jhalakman Tamang Rank: 90 Everest, Biratnagar	 Prinshu Shahukhala Rank: 91 KMC, Bagbazar	 Bhishkamal Karki Rank: 92 HSM, Hetauda	 Tushar Aidi Rank: 93 KMC, Bagbazar	 Bishal Tiwari Rank: 94 SOS, Chitwan		
 Umanga Adhikari Rank: 95 Himalaya Whitehouse	 Prabin Dhakal Rank: 96 Orchid, Chitwan	 Kedar Bista Rank: 97 Liverpool									

विगत ३२ वर्षको अनुभव
र सर्वोत्कृष्ट नतिजा नै
हाम्रो परिचय हो ।

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