

Instruction Manual

How to submit your application? What aspects will you be graded on?

Steps to submit your application:

1. Read the instruction manual carefully before beginning to attempt the answer
2. **Save your file as <Problem Statement Code>_<College Code>_<Team Leader Name>**
Example PQT_KJSS_RohitAtre. Refer list of college and problem statement codes at end of document
3. After filling the details, reply to the email with Subject as **<CollegeCode>PDBS6_Abtract_Submission** and the abstract document as attachment.
4. Abstracts should be sent within the 2 weeks deadline. Abstracts received after the deadline will be disqualified.
5. Once submitted response will be considered as final submission.

Question no.1: Kindly elaborate on your understanding of the problem chosen? (Max 250 words)

You will be graded on the following aspects. (Weightage 30%)

- What is your understanding of the problem?
- What do you think is the most challenging aspect of this problem?
- Why have you chosen this problem (We are looking to understand not from perspective of impact to society, but your team's reason for choosing this problem over other problem statements)

Question no. 2: Kindly share how you plan to approach the problem chosen? (Max 300 words)

You will be graded on the following aspects. (Weightage 50%)

- How do you intend to solve this problem?
- State your approach to solve the problem. **Diagrammatic representation** will carry weightage and not be counted towards word limit
- What platform do you intend to use, which coding language and which framework?
- Any database if you intend to use?
- Any ready to use external tools that you may wish to use?
- How will Each member contribute to the solution
- How would you phase your implementation throughout the term to ensure complete solution in 3 months (Share fortnightly goals you plan to achieve)

Question no. 3: Why do you think your team can implement a winning solution? (Max 300 words)

You will be graded on the following aspects. (Weightage 20%)

- Mention previous projects undertaken
- Mention strengths of your team

- Mention achievements of your team
- Mention if any personal experience of the problem you or somebody other may have faced
- How do you think you can benefit by solving this problem

Problem Statement Code

Problem Statement	Code
Air Quality Visualisation	AQV
Automation Society Security Task	ASST
Crowd Counting Challenge	CCC
Geofencing using IoT	GOT
Predict Queue Wait-time	PQT

•

College Codes - Mumbai

College Name	College code
A. P. Shah Institute of Technology	APST
Agnel Charities FR. C. Rodrigues Institute of Technology	FRAG
Atharva College of Engineering	ACE
Don Bosco Institute of Technology	DBIT
Dr DY Patil Institute for Biotechnology and Bioinformatics	DYP
Dwarkadas J Sanghvi College of Engineering	DJS
KC College of Engineering	KCE
KJ Somaiya Institute of Engineering and Information Technology - Sion	KJSS
KJ Somaiya Institute of Engineering and Information Technology - VidyaVihar	KJSV
M. H. Saboo Siddik College of Engineering	SSC
Marathe College	MAC
NMIMS Mukesh Patel School of Technology	MPST
NYSS Datta Meghe College of Engineering	DMC
Pillai Institute of Information Technology	PIT
Rajiv Gandhi College of Technnology	RGCT
Ramrao Adhik College of Engineering (RAIT)	RAIT
Sardar Patel College of Engineering, Mumbai	SPCE
Sardar Patel Institute of Technology, Mumbai	SPIT
Shah & Anchor Kutchhi Engineering College	SAKEC
SIES Graduate School of Technology	SIES
St Xaviers Technical Institute	SXT
St. John's College of Engineering	SJCE
TERNA College	TERNA

Thadomal Shahani Engineering College	TSEC
Thakur College of Engineering and Technology	TCET
Veermata Jijabai Technological Institute (VJTI)	VJTI
Vidyalankar Institute of Technology	VIT
Vivekanand Education Society's Institute of Technology (VESIT)	VESIT

College Codes – Gujarat, MP, Rajasthan, Orissa

College Name	College code
Nirma College of Engineering Gandhinagar, Gujarat	NIRMA
PDPU Gandhinagar, Gujarat	PDPU
LNCT Bhopal / Indore, M.P	LNCT
LD College of Engineering Ahmedabad, Gujarat	LDCE
MSU-IT Vadodara, Gujarat	MSU
Parul Institute of Engineering Vadodara, Gujarat	PIE
Ganpat University Mehsana, Gujarat	GUM
MNIT Jaipur, Rajasthan	MNIT
Charusat University Changa, Gujarat	CUC
SOA Bhubaneswar, Orissa	SOA
SEAS (Ahmedabad University) Ahmedabad, Gujarat	SEAS
Vishwakarma College of Engineering Ahmedabad, Gujarat	VCE
BVM College of Engineering Vadodara, Gujarat	BVM
IIST Indore, M.P	IIST
DAIICT Gandhinagar, Gujarat	DAIICT