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. *<mark>SAVE</mark> your file as **<Problem Statement Code>_ <College Code>_<Team Leader Name>***

   Example SLS_KJSS_RohitAtre. Refer list of college and problem statement codes at end of document
3. After filling the details, reply to the email with <mark>**SUBJECT**</mark> as <**CollegeCode>PDBS10_Abstract_Submission** and the abstract document as attachment.
4. If your College Code is not listed in the table below, please use OTHERS in point no. 3 above. For e.g. OTHERS_PDBS10_ABSTRACT_SUBMISSION
5. Abstracts should be sent within the 2 weeks deadline. Abstracts received after the deadline will be disqualified.
6. 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 intent 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
Estimating Physical Attributes and Object Dimensions from Selfies	**SMS**
Reducing Urban Food Waste with Smart Management Solutions	**UFM**
IoT-Enabled Chairs for Monitoring Sedentary Behaviour.	**ICS**
Optimizing Fleet Routes for a Logistics Company	**ROS**
AI-Enhanced Home Design with Augmented Reality	**HDA**

College Codes - Maharashtra

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
KC College Churchgate	KCC
KES Shroff College	KES
KJ Somaiya Institute of Technology- Sion	KJSS
KJ Somaiya Institute of Technology - VidyaVihar	KJSV
K. K. Wagh Arts, Commerce, Science and Computer Science College	KKWAS
K. K. Wagh Institute Of Engineering Education And Research	KKWE
KET's V. G. Vaze College	KETV
Lokmanya Tilak College of Engineering, Koparkhairane	LTCE
M. H. Saboo Siddik College of Engineering	SSC
NYSS Datta Meghe College of Engineering	DMC
Pillai Institute of Information Technology	PIT

College Name	College code
Rajiv Gandhi College of Technnology	RGCT
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
SVPMs College of Engineering	SVPM
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
Xavier Institute of Engineering India	XIE
Pimpri Chinchwad Education Trust (PCET) - NUTAN Group (PCCOE)	PCET
MIT - World Peace University	MIT

College Codes – Gujarat, Rajasthan, Orissa

College Name	College code
Nirma College of Engineering Gandhinagar, Gujarat	NIRMA
PDPU Gandhinagar, Gujarat	PDPU
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
DAIICT Gandhinagar, Gujarat	DAIICT
Atmiya University	AU

College Codes – Chennai

College Name	College code
Sri Sairam Engineering College, Chennai	SSEC
Sri Sai Ram institute of Technology, Chennai	SSRT
Mohamed Sathak A.J. College of Engineering, Chennai	MSACE
St. Joseph's Institute of Technology, Chennai	SJIT

College Codes – Madhya Pradesh

College Name	College code
LNCT Bhopal / Indore, M.P	LNCT
IIST Indore, M.P	IIST
Jaypee University of Engineering and Technology, Guna, MP	JUET
IIIT, Bhopal, MP	IIITB
Shri Ram Institute of Science & Technology, Jabalpur, MP	SRIT
Bansal Group of Institutions	BGI

College Codes – Uttar Pradesh

College Name	College code
S D College Of Management Studies, Muzaffarnagar, UP	SDCM

College Codes – Kolkata

College Name	College code
NSHM Institute of Engineering & Technology, Kolkata	NSHMK
NSHM Institute of Engineering & Technology, Durgapur	NSHMD

College Codes – Karnataka

College Name	College code
The National Institute of Engineering, South Campus	NIES

College Codes – Telangana

College Name	College code
Vidya Jyothi Institute of Technology, Hyderabad	VJIT