



विज्ञान एवं प्रौद्योगिकी परिषद, उ०प्र०

(विज्ञान एवं प्रौद्योगिकी विभाग, उ० प्र० शासन)

विज्ञान भवन, 9 नबीउल्लाह रोड, सूरज कुण्ड पार्क, लखनऊ-226 018, उत्तर प्रदेश

विज्ञापन

सी.एस.टी.यू.पी. अभियांत्रिकी विद्यार्थी प्रोजेक्ट अनुदान योजना 2023-24

विज्ञान एवं प्रौद्योगिकी परिषद, उ०प्र० सी.एस.टी.यू.पी. अभियांत्रिकी विद्यार्थी प्रोजेक्ट अनुदान योजना 2023-24 के अन्तर्गत उत्तर प्रदेश के इंजीनियरिंग कॉलेजों/विश्वविद्यालयों/संस्थाओं के बी.टेक. अंतिम वर्ष के विद्यार्थियों से प्रोजेक्ट्स हेतु आवेदन आमंत्रित किये जाते हैं। योजना के अन्तर्गत चयनित अधिकतम 60 प्रोजेक्ट्स को अनुदान हेतु चयनित किया जायेगा। कृपया विस्तृत जानकारी एवं आवेदन प्रक्रिया हेतु वेबसाइट www.cst.up.gov.in पर विजिट करें।

सचिव

महत्वपूर्ण तिथियां

ऑनलाइन आवेदन की प्रारम्भ तिथि	05-10-2023
ऑनलाइन आवेदन की अन्तिम तिथि	06-11-2023



Council of Science & Technology, U.P.

(Department of Science & Technology, Govt. of U.P.)

Vigyan Bhawan, 9 Nabiullah Road, Suraj Kund Park, Lucknow-226 018, Uttar Pradesh

ADVERTISEMENT

CST UP Engineering Students' Project Grant Scheme 2023-24

Council of Science & Technology, U.P. invites the applications for projects under CST UP Engineering Students' Project Grant Scheme 2023-24 from the final year B.Tech students of Engineering Colleges/Universities/Institutions of U.P. Under the scheme maximum 60 projects of final year B.Tech Students will be selected for the grant. Please visit council's website www.cst.up.gov.in for details & application procedure.

Secretary

Important Dates

Start date of online application	05-10-2023
Last date of online application	06-11-2023



Ashoka Institute of Technology and Management
Pahariya, Sarnath, Varanasi-221007 (U.P.)
ASHOKA CENTER FOR INNOVATION, INCUBATION, STARTUP &
ENTREPRENEURSHIP (ACIISE)
INSTITUTION'S INNOVATION COUNCIL



Ref. No. - Ashoka/ACIISE/2023-24/05

Dated:18.10.2023

Notice

Subject: Call for Project Ideas - CST UP 2023

Dear Students,

We are excited to announce an incredible opportunity for our students to showcase their innovation and creativity at the upcoming CST UP 2023 event. This event promises to be a platform for budding technologists and innovators to demonstrate their ideas, skills, and projects.

Submission Guidelines:

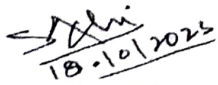
1. Interested students should submit their project ideas via email to s.ali128786@gmail.com by 25.10.2023.
2. Each project proposal should include a detailed description of the idea, its objectives, expected outcomes, and the technology stack to be used.
3. Teams can consist of a maximum of 04 members. All the members of a team must be from final year and their average marks up to third year should not be less than 65%.
4. Best two projects are to be nominated from all the department of Engineering.
5. The selection committee will evaluate project ideas based on innovation, feasibility, and relevance to the event's theme.
6. The themes are **Disaster Management, Waste Management, Pollution, Environmental Conservation, Anti Hacking/ Data Conservation, Agricultural Technology/ Organic Products, Energy Conservation, Sanitation, Sensor based Road and Railway traffic control system, Rural Development, Smart City, Solution of any current challenging issues.**

We encourage all eligible students from respective branch to participate in this competition and put forward their best project ideas. This is a chance to not only represent our institute but also to make a significant impact in the field of Engineering & technology.

Let's work together to make our institute proud at CST UP 2023. Best of luck to all participants!

Copy to

1. Director
2. Director Pharmacy
3. Principal Ashoka School of Business
4. Professor In charge academic affairs
5. Registrar
6. Dean Discipline
7. All HODs
8. Student Notice Boards


18.10.2023
Mr. Sajjad Ali
Coordinator IIC





Council Of Science & Technology U.P.

Vigyan Bhawan 9,Nablullah Road,Lucknow-226018

05/11/2023

CST UP Engineering Student's Project Grant Scheme

Applicant No :: 20232024920

Project Category : :: Electronics & Communication Engineering

Title of Project :: AUTOMATED UNDERWATER COMMUNICATION USING Li-Fi

Objectives of Project :: THE MAIN OBJECTIVE OF OUR PROPOSED SYSTEM IS TO REDUCE THE COMPLEXITY AND IMPLEMENTATION OF AN UNDERWATER WIRELESS COMMUNICATION SYSTEM IN REAL TIME AND TO SAVE THE CASUALITIES CAUSED AT SEA DEAPTH

Name of Guide(s) :: Mr. PANKAJ VISHWAKARMA

Name of College :: ASHOKA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Address of College :: ASHOKA INSTITUTE OF TECHNOLOGY AND MANAGEMENT PAHADIYA VARANASI UP 221007

College Contact No. :: 9695128786

College Email ID :: director@ashokainstitue.com

Brief Description Of Project :: Light Fidelity (Li-Fi) is a fast, remote correspondence utilizing visible light. It falls under the classification of optical remote communications. Information transmission happens through Light Emitting Diode (LED) bulbs whose intensity changes (varies). During this variation in light intensity, communication takes places digitally. This innovation has huge applications where the utilization of Wi-Fi is restricted or prohibited. It likewise takes out the unfavorable wellbeing impacts of utilizing electromagnetic waves.

Except light is seen, information can't be hacked; thus, data transmission is secure. The utilization of light as a way to transmit information has been authored Li-Fi. The high speed innovation is like Wi-Fi but is quicker, enabling you to send and get more data in less time. By swapping glowing bulbs with LED's which have electronic properties. Li-Fi could bring Internet access to more regions. It could reform the media communications industry. the proposed system comprises of a transmitting section with automation and receiving section with GPS tracking and GPRS IoT support.

Brief detail of the problem ::

Commercial Application Utility :: This project has commercial application as it will be used to communicate over long range into the depth of sea without any complex wiring

Remarks ::

DETAILS OF GROUP LEADER

Group Leader : ABHYUDAY UPADHYAY Group Leader Email :: annusingh08872@gmail.com

Account Number : 4972001500039204 Account Type :: SAVING

Branch : PAHADIYA IFSC Code :: PUNB0497200

Name Of Students(Co-Applicant/s)

Enrollment Number

Remarks ::

DETAILS OF GROUP LEADER

Group Leader : Shahzada Asif Group Leader Email ::shahzadaasif14@gmail.com
Account Number : 39906083719 Account Type ::Savings
Branch : Lohta IFSC Code ::SBIN0015129

Name Of Students(Co-Applicant/s)	Enrollment Number
Parul Gupta	200641010057651
Satyam Pandey	200641010057661
Shahzada Asif	200641010057663
Sneha Gupta	200641010057672

Engineering Student's Program Details



Member Type :: GroupLeader
Applicant's Name :: Shahzada Asif
Father's Name :: Jameel Ahmad
Correspondence Address with :: Ashiyana Manzil, Aman Colony, Chandapur, Lohta Varanasi(221107)
Permanent Address with :: Ashiyana Manzil, Aman Colony, Chandapur, Lohta Varanasi(221107)
Mobile Number :: 9651187782
Email ID :: shahzadaasif14@gmail.com
Enrollment :: 200641010057663
Percentage till 3rd Year :: 68.00
Branch :: Computer Science & Engineering
Appearing Year :: 2020
Percentage Marks :: I 74.80 II Year: 61.72 III 60.43



DECLARATION :-

I hereby solemnly affirm and state that the above project has/have been conceived by me and it is not a repetition of previous work.

Date : -

Place :-



**Signature with seal
Head of Department**

Member Type :: GroupMember

Applicant's Name :: RAHUL KUMAR GUPTA

Father's Name :: SUSHIL KUMAR GUPTA

Correspondence Address with :: PAHADIYA MANDI , RAMREPUR , VARANASI UP 221007(221007)

Permanent Address with :: PAHADIYA MANDI , RAMREPUR , VARANASI UP 221007(221007)

Mobile Number :: 9140133357

Email ID :: rahulaka8216@gmail.com

Enrollment :: 200641031057727

Percentage till 3rd Year :: 66.81

Branch :: ELECTRONICS AND COMMUNICATION ENGINEERING

Appearing Year :: 2020-21

Percentage Marks :: I 76.16 II Year: 64.64 III 59.89



DECLARATION :-

I hereby solemnly affirm and state that the above project has/have been conceived by me and it is not a repetition of previous work.

Date :-

Place :-

Rahul Gupta
Signature
Ashoka University

**Signature with seal
Head of Department**

Member Type :: GroupMember
Applicant's Name :: Satyam Pandey
Father's Name :: Subedar Pandey
Correspondence Address with :: E-381, Ashok Vihar Colony Phase 1, Paharia Varanasi(221007)
Permanent Address with :: E-381, Ashok Vihar Colony Phase 1, Paharia Varanasi(221007)
Mobile Number :: 6394776088
Email ID :: satyampandey28072gmail.com
Enrollment :: 200641010057661
Percentage till 3rd Year :: 81.82
Branch :: Computer Science
Appearing Year :: 2020
Percentage Marks :: I 86.16 II Year: 80.32 III 79.00



DECLARATION :-

I hereby solemnly affirm and state that the above project has/have been conceived by me and it is not a repetition of previous work.

Date :-

Place :-



**Signature with seal
Head of Department**

Member Type :: GroupMember
Applicant's Name :: Sneha Gupta
Father's Name :: Chandra Prakash Gupta
Correspondence Address with :: Block no.38, Police Line, Varanasi(221002)
Permanent Address with :: Block no.38, Police Line, Varanasi(221002)
Mobile Number :: 8546005174
Email ID :: snehagupta8005@gmail.com
Enrollment :: 200641010057672
Percentage till 3rd Year :: 76.50
Branch :: Computer Science
Appearing Year :: 2020
Percentage Marks :: I 81.20 II Year: 73.72 III 74.75



DECLARATION :-

I hereby solemnly affirm and state that the above project has/have been conceived by me and it is not a repetition of previous work.

Date :-

Place :-

Sneha Gupta



**Signature with seal
Head of Department**

Member Type :: GroupMember
Applicant's Name :: Parul Gupta
Father's Name :: Krishna Awatar Gupta
Correspondence Address with :: R. No. 113/1 Omnagar phase 2 , Pahariya ,
Varanasi(221007)
Permanent Address with :: R. No. 113/1 Omnagar phase 2 , Pahariya , Varanasi(221007)
Mobile Number :: 8957324088
Email ID :: parulgupta2024@gmail.com
Enrollment :: 200641010057651
Percentage till 3rd Year :: 78.50
Branch :: Computer Science
Appearing Year :: 2020
Percentage Marks :: I 83.83 II Year: 78.21 III 73.78



DECLARATION :-

I hereby solemnly affirm and state that the above project has/have been conceived by me and it is not a repetition of previous work.

Date :-

Place :-



**Signature with seal
Head of Department**



Council Of Science & Technology U.P.

Vigyan Bhawan 9, Nablullah Road, Lucknow-226018

06/11/2023

CST UP Engineering Student's Project Grant Scheme

Applicant No :: 202320241122
Project Category : :: Computer Science
Title of Project :: Cruising Crops: A mobile IOT Irrigation System for Smart Farming

Objectives of Project :: To design, develop and implement a cutting-edge irrigation system that leverages IoT technology to enhance the efficiency, sustainability and flexibility for agricultural management. This project aims to revolutionize traditional irrigation methods, empower farmers ultimately contributing to food security and environmental conservation

Name of Guide(s) :: Ms. Soni Ojha

Name of College :: Ashoka Institute of Technology and Management

Address of College :: Ashoka Institute of Technology and Management ,Paharia, Varanasi,UP, 221007

College Contact No. :: 9695128786

College Email ID :: director@ashokainstitute.com

Brief Description Of Project :: Sensors collect data on temperature, humidity, soil moisture and motion. NodeMCU processes the data, analyzes environmental conditions and triggers irrigation when necessary.
The system includes visual monitoring with a camera module for remote crop inspection
Remote access via a mobile app allows farmer to monitor and control the system, receive alerts and adjust irrigation settings

Brief detail of the problem :: Yes,
Resource Efficiency: The system optimizes water usage by delivering precise irrigation based on real-time data, reducing water wastage and operational costs.
Enhanced Crop Health: Improved environmental monitoring and data-driven decisions lead to healthier crops with better yield and quality.
Remote Management: Users can conveniently monitor and control the system remotely, saving time and reducing the need for physical presence on-site, particularly useful for large or multiple agricultural plots.
This project helps the person to monitor and perform the work by staying at home through a mobile application.

Commercial Application Utility :: Large scale integration of data centres of our country.





Council Of Science & Technology U.P.

Vigyan Bhawan 9, Nablullah Road, Lucknow-226018

06/11/2023

CST UP Engineering Student's Project Grant Scheme

Applicant No :: 202320241114

Project Category : :: Computer Science

Title of Project :: GuardianDrive : Drowsiness Detection and Automatic Mode Switching for Vehicle Safety

Objectives of Project :: The primary goal of this project is to enhance road safety by developing a system that can detect drowsiness in a vehicle's driver and automatically transition the vehicle from manual to automatic mode to prevent collisions and accidents.

Name of Guide(s) :: Er. Arjun Mukherjee

Name of College :: Ashoka Institute of Technology and Management

Address of College :: Ashoka Chauraha, Pahariya, Varanasi, Uttar Pradesh 221007

College Contact No. :: 9695128786

College Email ID :: director@ashokainstitute.com

Brief Description Of Project :: Drowsiness Detection Module: This module is responsible for monitoring the driver's condition. It can utilize computer vision techniques, such as facial recognition, to detect signs of drowsiness, like closed eyes, yawning, or head nodding. It may also incorporate sensors to monitor the driver's vital signs or steering behaviour. The drowsiness detection module continuously monitors the driver during the journey, analysing their facial expressions, vital signs, or steering behaviour. If signs of drowsiness are detected, the module signals the Arduino to initiate the mode switch process. Arduino communicates with the Raspberry Pi, which takes control of the vehicle's systems to ensure safety. For instance, it can maintain a safe speed, keep the vehicle within lanes, and provide audio or visual alerts to the driver. Once the driver is alert and the risk of drowsy driving is reduced, the system can transition the vehicle back to manual mode.

Brief detail of the problem :: Yes, The project enhances the safety of person while driving. Local communities are impacted by these accidents through injuries, property damage, and even loss of life. It focus on detecting and mitigating drowsy driving, have the potential to significantly improve road safety and address this pressing local problem, ultimately making roads safer for everyone.

Commercial Application Utility :: Yes, The project can be combined with automobiles to enhance the road safety.

Remarks ::

DETAILS OF GROUP LEADER

Group Leader : RISHABH PAL Group Leader Email :: palrishabh628@gmail.com

Account Number : 360502010177252 Account Type :: SAVINGS

Branch : PANDEYPUR IFSC Code :: UBIN0536059

CST, UP Engineering Students' Project Grant Scheme 2023-24

Undertaking of the Head of Department & Principal/Director

- 1- I/We do hereby solemnly affirm that the below mentioned applicant/s is/are bonafide student/s of our institute. The project submitted is not a repetition of previous work. This project has been reviewed primarily by me and is found appropriate to be submitted to CST, UP for consideration under CST, UP Engineering Students' Project Grant Scheme 2023-24. The project is novel and will be developed by him/her/them.

Group Leader Name Shahzada Asif
Group Member 1 Name Satyam Pandey
Group Member 2 Name Sneha Gupta
Group Member 3 Name Parul Gupta

- 2- Name of the group leader (If the project is submitted by more than one students then grant shall be transferred in the account of group leader. The HOD/Head of the institution will nominate the Group Leader.) Shahzada Asif

3. Guide Teacher Name & Email id :

Ms. Soni Ojha
soni.sumon2232@gmail.com

Date: 6/11/2023

Place: Varanasi

[Signature]
Ashoka Institute of
Technology & Management
Signature of
Head of Department
(with seal)

[Signature]
Signature of
Principal/Director
(with seal)

CST, UP Engineering Students' Project Grant Scheme 2023-24

Undertaking of the Head of Department & Principal/Director

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Group Leader Name Rishabh Pal
Group Member 1 Name Ashif Ali
Group Member 2 Name Vaishnavi Kumari
Group Member 3 Name Sahal Bano

2- Name of the group leader (If the project is submitted by more than one students then grant shall be transferred in the account of group leader. The HOD/Head of the institution will nominate the Group Leader.) Rishabh Pal

3. Guide Teacher Name & Email id : En. Arjun Mukherjee
diwaker120@gmail.com

Date: 6/11/2023

Place: Varanasi


Signature of
Head of Department
Asioka Institute of
Technology & Management
Varanasi
(with seal)
06/11/23


Signature of
Principal/Director
(with seal)

CST, UP Engineering Students' Project Grant Scheme 2023-24

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Group Leader Name Rajeev Kumar Maurya
Group Member 1 Name Rahul Bhatti
Group Member 2 Name Mahit Kumar Goswami
Group Member 3 Name

- 2- Name of the group leader (If the project is submitted by more than one students then grant shall be transferred in the account of group leader. The HOD/Head of the institution will nominate the Group Leader.) Rajeev Kumar Maurya

3. Guide Teacher Name & Email id : Ms. Somendra Banerjee
Email: ee@ashokainstitute.com.

Date: 04/11/2023

Place: Varanasi
Head

Department of Electrical Engg.
Ashoka Institute of Technology & Management
Varanasi

Signature of
Head of Department
(with seal)


Signature of
Principal/Director
(with seal)

CST, UP Engineering Students' Project Grant Scheme 2023-24

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Group Leader Name Annu Singh

Group Member 1 Name Abhyoday G V Padhyay

Group Member 2 Name Rahul Kumar Gupta

Group Member 3 Name Satyam Vishwakarma

- 2- Name of the group leader (If the project is submitted by more than one students then grant shall be transferred in the account of group leader. The HOD/Head of the institution will nominate the Group Leader.) Annu Singh

3. Guide Teacher Name & Email id : Mr Pankaj Vishwakarma.
Email : pvi409@gmail.com.

Date: 4/11/2023

Place: Varanasi

Head
Department of Electrical Engg.
Chhota Institute of Technology & Management

Signature of
Head of Department
(with seal)



Signature of
Principal/Director
(with seal)