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Editor's message

•Trekking to Shivagange Hills was organised by 6/4 COY NCC unit.

•Department of Civil Engineering organized two days (27th & 28th April 2023) International Conference on "Emerging Trends and Sustainable Developments in Civil Engineering (ETSDCE-2023)".

•Department of Civil Engineering Celebrated World Earth Day-2023 on 25.04.2023 in association with IIC, IGBC, ACCE followed by technical talk on "Rain water harvesting & bore well re-charge" by Dr. Devaraja Reddy, Hydrogeologist & Rain water harvesting advisor, Geo rain water board, Chitradurga

Faculty Achievements

1.Mrs. C B Supriya, Assistant Professor, department of Civil Engineering, participated and presented a paper entitled "Fly ash based RAGPC paver blocks for moderate traffic volume roads" authored by Supriya C B, Dr. Manjunath B H, Prakash J and Saha-

na T S at the International Conference on Sustainable Infrastructure: Innovations, opportunities and challenges (SIIOC 2023) at NITK, Surathkal.

2.Mr. K E Abilash, Assistant Professor, department of Civil Engineering, participated and presented a paper entitled "Laboratory investigation on performance of expansive soil stabilized by fly ash and sodium hydroxide" at the International Conference on Sustainable Infrastructure: Innovations, opportunities and challenges (SIIOC 2023) at NITK, Surathkal.

3.Mrs. Kavya N presented a paper entitled "Retaining wall without relief shelves" at the International Conference on "Emerging Trends and Sustainable Developments in Civil Engi-

neering (ETSDCE-2023)" organized by Department of Civil Engineering, SSIT, Tumakuru.

4.Mr. D.V VenugopalChauhanhas delivered a guest lecture on "Motor winding using CAD" at Aryabharthi Polytechnic, Tumkur on 20-4-2023& 21-4-2023.

5.EEE department Final year students have sanction of student project-46th series: year 2022-2023 under Karnataka State Council for Science and Technology, project proposal entitled- PLC based automatic drainage water pump monitoring and control system under the guidance of Mr. Yogananda B.S.

6.EEE department Final year students have sanction of student project-46th series: year 2022-2023 under Karnataka State Council for Science and Technology, project proposal entitled-Development of Robotic Nurse for old age and physically challenged groups, using Hybrid-Capacitor battery powered by solar PV under the guidance of Mr. Praveen Kumar V.

Students

Achievements:

1. Mr. Naveen M P and Mr. Md. Kaif, 2nd semester, Medical Electronics have won 1st place in project expo conducted by IEEE-Samarthya- 2023.

2. Mr. Adithya Bhardwaj, 4th semester, Medical Electronics won 2nd place in TECHINAR conducted by IEEE- Samarthya- 2023.

3. Ms. Pushpa B Pujar, 6th Semester Medical Electronics and Mr. Jeevan, 4th Semester Medical Electronics have participated in paper presentation competition conducted by IEEE- Samarthya- 2023.

Skills and lessons learned.



Map reading is an essential skill that every cadet must possess. It enables one to navigate through unknown terrain, locate landmarks, and understand the terrain's physical features. This skill is crucial for survival in the field, and it is particularly important for soldiers on the front line. Field and battle craft are also critical skills that every cadet should learn. These skills involve tactical planning, reconnaissance, and understanding the enemy's movements. They are import-

ant for making informed decisions in the field and achieving success in a military operation. Learning these skills is vital for NCC cadets as it prepares them for a future career in the armed forces and equips them with valuable life skills. Additionally, mastering map reading, and field and battle craft ensures that the cadets can operate effectively in unfamiliar and challenging terrain, making them more self-reliant and resourceful. It also instils a sense of discipline, determination, and leadership

qualities in the cadets, qualities that are essential for success in any field. Overall, the NCC cadets had a unique and enriching experience learning these skills during the trek. After the informative and engaging session, the cadets enjoyed a cultural session where they sang songs and took memorable photos. They also had lunch at the temple, which was delicious and gave them the energy to descend the mountain. The cadets then got back to their respective buses, took the final count and reporting, and left for Tumkur. On the way back, they played Antakshri in the bus with their ANO and PI staff, which added to the fun-filled experience.



Mr. Meghani Molies Reddy has invited as Resource Person for the workshop on “Non-conventional Machining & its application” on 5th Jan 2023 at SIET, Tumkur.

Trekking Uphill

The cadets took approximately 2 hours and 30 minutes to reach the hilltop, and the view from there was breath taking. The ANO sir Lt. Dr. H V Jaiprakash and the PI staff shared their army experience and knowledge with the cadets, which was an excellent learning experience. The cadets also had a quick test session to test the skills they had learned during the trek.

During the trek, the NCC cadets were given a valuable opportunity to learn about important skills such as map reading, field and battle craft. Lt. Dr. H V Jaiprakash, our ANO, and the PI staff from the army taught us about these skills and shared their experiences from their time in the army.

Student Activity

The trekking activity was attended by 24 cadets who left their college campus at 6 am in the morning in a college bus. The journey started with an amazing morning drive, with the cadets enjoying the scenic beauty of the countryside. The first stop was at the NCC Tumkur battalion, where the cadets participated in cleaning and other Swachh Bharat activities. The cadets then continued their journey and stopped at Herehalli for a refreshing break where they had hot tea.



Upon reaching Shivagange, the cadets were provided with a hearty breakfast of Hot Tatte Idle and vade which energized them for the trek. The cadets were also given Tetra pack juice, biscuits, and instant energy snacks to help them climb the mountain without any issues. The trek started at around 8:30 am, and the cadets had a great time trekking with their seniors, ANO, and PI staff from the army. The army personnel provided valuable knowledge and skills related to map reading, field and battle craft, and judging distance.

Department of Civil Engineering

Department of Civil Engineering - Celebrated World Earth Day-2023 on 25.04.2023 in association with IIC, IGBC, ACCE followed by technical talk on "Rain water harvesting & bore well recharge" by Dr. Deva-raja Reddy, Hydrogeologist & Rain water harvesting advisor, Geo rain water board, Chitradurga.

Department of Civil Engineering, organized two days (27th & 28th April 2023) International Conference on "Emerging Trends and Sustainable Developments in Civil Engineering (ETSDCE-2023)".



 GPS Map Camera
Tumakuru, Karnataka, India
 SSIT Campus, Maraluru, Saraswathipuram, Tumakuru,
 Karnataka 572105, India
 Lat 13.322335°
 Long 77.092021°
 25/04/23 03:48 PM GMT +05:30

Trekking Activity to Shivgange mountain organised by 6/4 COY NCC unit of Sri Siddhartha Institute of Technology, Tumkur on 30th April of 2023.



Karnataka State Council for Science and Technology
 (An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)
 Indian Institute of Science Campus, Bengaluru – 560 012
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Dr. U T Vijay
 Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

The Principal,
 Sri Siddhartha Institute of Technology,
 Tumkur-Kunigal Road, Saraswathipuram,
 Tumakuru – 572 105.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_BE_5298

Ref : Project Proposal entitled
DEVELOPMENT OF ROBOTIC NURSE FOR OLD AGE AND PHYSICALLY CHALLENGED GROUPS, USING HYBRID ULTRA-CAPACITOR BATTERY POWERED BY SOLAR PV

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

| Student(s) | Department | Sanctioned Amount (in Rs.) |
|---|--|----------------------------|
| Ms. AMRUTHAVANI N Ms. ANUSHA N Mr. ABHISHEK M | ELECTRICAL AND ELECTRONICS ENGINEERING | 6,000.00 |
| Mr. ABDUL GAFFAR ULLA KHAN Mr. PRAVEEN KUMAR C | | |

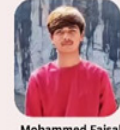

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/nW7aJjrvz3Wmvt6>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY
 DEPARTMENT OF ELECTRONICS AND COMMUNICATION AND ENGINEERING

Congratulations
FOR GETTING PLACED IN
IMMENSHERE

3.5LPA

| | | |
|---|---|---|
|  ABHISHEK G (19EC001) |  Dharshan V (19EC024) |  Chandan H (19EC017) |
|  K S CHETHAN (19EC039) |  Chornika D Raj (19EC020) |  Greeshma R (19EC028) |
|  Mohammed Faisal (19EC055) |  Munthala Harika (19EC058) |  Nithin U (19EC064) |
|  Sunil JS (19EC094) |  Thamandra Varsha (19EC096) |  Vishwas AR (19EC102) |

CR MOHAN KUMAR
 PLACEMENT COORDINATOR