



SDC-SI

Work report
2019-20

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Accomplishments

Mentioned below are some of the significant accomplishments of Team SDC-SI that took the name of AKGEC a step ahead.

- Internships:
 - Android Developer Internship **Plank Labs, Goa.**
 - Full-stack developer Internship at **Josh Technology, Gurugram.**
 - Research intern at **Central Drug Research Institute(CRDI), Lucknow.**
 - Research intern on “Modified Image Segmentation using modified fuzzy C-Mean based clustering” at **IIT, Patna.**
 - Java intern at **Hitachi Payments, Mumbai.**
 - Cloud computing intern at **HCL, Lucknow.**
 - Software Intern at **WOFO24, Ghaziabad.**
 - Software intern at **Amulet Entertainment, Ghaziabad.**
 - Android Developer Intern at **Shopocus.**
- Research Paper:
 - Our 4th-year member, **Nidhi Upreti** has contributed to a research paper on “**Fake news detection using deep learning models: a novel approach**”, got accepted for publication in **SCI Indexed journal** - Transaction on emerging telecommunication and technologies.

- The research paper of our 4th yr member, **Sukhnandan Malhotra** on “ **Modified Image Segmentation** using modified fuzzy C-Mean based clustering” was accepted in **Ramsa Conference**.

- Competitive Coding:
 - Our 4th-year members, **Suyash Srivastava, Tarun Gupta, Suryakant Sharma** achieved **71st, 190th, and 200th rank in the Code-Vita contest respectively out of One Lakh students across 63 countries**.

 - **Tarun Gupta** got selected as **Power-Programmer** in Hack-With-Infy.

Placements And Startups

- Current Placements:
 - **Nova (Zeta group of company):**
 - Suryakant Sharma, Suyash Srivastava: **13 LPA**
 - **Workspan:**
 - Geetanjali Jadaun: **12 LPA**
 - **Cyware Labs:**
 - Deepanshu Jain, Sukhnandan Malhotra: **9.5 LPA**
 - **Infosys:**
 - Tarun Gupta as power programmer: **8 LPA**
 - **JOSH Technology Group Pvt Ltd:**
 - Param Mittal: **7.2 LPA**
 - **DLT Labs:**
 - Nidhi Upreti, Vishal Baghel: **6 LPA**
 - Meghna Gupta: **5 LPA**
- Our 3rd Year member Harsh Singh got a **job offer** at Infosys from Infytc certification test followed by a successful round of interviews held in their office at Noida.
- Startups:
 - Members of SDC-SI Sarthak Khatana(CSE 4th year), Prabhanshu Chauhan(CSE 4th year) have recently launched their startup project Erevna (CIN No. U72900UP2019PTC123098).
Erevna is specialized in the field of research and development and different technologies that are used in making awesome interactive products. The goal is to provide incubation support to convert implicit ideas into a product.
<https://www.erevna.in/>

Accomplishments in Erevna:

- Developed MVP for **Livingstone Stays**... An experience-based stay provider.
- Designed and developed a website for **world icon awards** (the event was organized in Sri Lanka)
- Currently working on some software projects with **Exeliq Solutions** (A start-up started from our own college)
- Two industrial projects are still under progress.

Contributions by SI in bringing Laurels to the Institute.

1. Successfully conducted, “**ALGORYTHM**” - A workshop on **competitive programming** held from 20th - 23rd February 2020 with over around **400 registrations** out of which **220 participants** were allowed to attend the workshop due to limited seats. It was focussed on helping students to get started with competitive programming through hands-on sessions and enhance their problem-solving skills.
2. Successfully conducted an online event **WEBMORPH 1.0** with over 120+ participants, amidst the quarantine period to help students enhance their skills and utilize their time to the fullest.

WEBMORPH 1.0 - The front-end challenge required students to code the given UI design into a web page using the basic front-end development tools (like HTML, CSS, and Javascript) in a time span of 5 days, from 19th - 23rd April 2020. Top performers from 1st, 2nd, and 3rd year were rewarded with cash prizes of thousand rupees each.

UI design link (Task): <https://www.behance.net/gallery/95476953/Flux-2>

The result was announced on 26th April 2020 with winners as :

- Manish Kumar: 1st yr (https://mannish.github.io/webmorph_1913165/)
- Utkarsh Chakravarty: 2nd yr (https://utchak160.github.io/webmorph_1810171/)
- Ayush Sharma: 3rd yr (https://sharma-ayush1999.github.io/webmorph_1731072/)

3. AKTU **Pre-Zonals** was hosted by SDC-SI professionally on Hackerrank (online coding platform). It was conducted in the college labs on very short notice.
4. Conducted 4-5 **Mock tests** for **Infosys** on Our **Quiz-Portal**.
5. Conducted a seminar on **Latest Trends in Technologies** for 2nd Year (2 hrs program) to make them aware of different scopes in engineering.
6. Successfully conducted PI of 250+ students in two phases for the recruitment process which took around 80 hrs in its completion.
7. Conducted a **coding Contest** on Codechef for 2nd Year in August to invoke them to start competitive programming.
8. Successfully conducted a **coding event** on Codechef after the workshop "**ALGORYTHM**" on **24th February** 2020 among the **1st and 2nd-year students** to give a chance to apply their programming skills and earn rewards.

The successful result of 20 hours of teaching was obtained by the healthy participation of students in the coding contest. The result of the coding contest is as follows:

- Garvit: 1st Year
- Naman Srivastava: 1st Year
- Somesh Mishra: 1st Year

9. Blogs on Medium:

- Buzzwords in **UI/UX Designing** (bit.ly/ui-ux-buzzwords)
- The acronyms unveiled- **UI/UX Design** (bit.ly/ui-ux-acronym)
- Search Engine Optimization (bit.ly/si-seo-blog)
- First Contribution to **Open Source** (bit.ly/si-open-source)
- Advanced - **Search Engine Optimization** (bit.ly/si-seo-blog-2)
- Why is it important to know more about **“Computer Networking”**? (<https://bit.ly/networking-blog>)
- A definitive guide to **Web Development** (bit.ly/SI-web-dev)
- **Git and GitHub** - a beginner’s guide (bit.ly/SI-GIT-BLOG)
- 7 Tried and True **Laws of UX** (bit.ly/SI-Blog-UX-laws)
- Unveiling the concept of **“Blockchain”**. (<https://bit.ly/si-blockchain>)
- **Competitive Programming**- A Beginner's Guide (bit.ly/si-cpp)

10. Blog on Geeks-For-Geeks:

- Basic CRUD in **ASP.NET** MVC using C# and Entity Framework. (<https://bit.ly/asp-net-crud>)

Achievements of Team SDC-SI

1. IMT Visit: Techstars Startup weekend was organized by E-cell IMT Ghaziabad (**powered by Google**) from 31st January to 2nd February 2020. It was a 54 hours event designed to provide experimental education to all the entrepreneurs. A total of 24 Business ideas were pitched at the event. 10 ideas were finally selected, out of which 5 were pitched by SDC-SI.

Our team **There4U** acquired 2nd place in the event and was awarded by **Google.co domain** certification for 1 year and a **Google cloud credit** of **3000\$** valid for one month.

- Team members of There4U were Muskan Agrawal, Sachin Prajapati, Srishti Mittal, and Arnav Jain.

2. DLT Visit: SDC-SI was offered an industrial visit at DLT Labs (**Global leader of block-chain**) which helped the members to gain industrial knowledge of the latest technologies.

Many of the 4th year members cracked job opportunities at DLT Labs and other members were also offered to work with them in the near future.

3. KIET Hackathon: Param Mittal, Vishal Baghel, Pramod Jaiswal, and Vinayak Gupta won the first prize in the **MLH Hackday**, event conducted at DSC KIET. Our team made a google chrome extension named **Font Bucket** that dealt with saving and deleting any type of font from any web page and further applying it to any other web page or localhosts.

4. **CSI Codeshell:** Our 3rd-year member Akshay Agarwal secured **1st Rank** in the coding competition out of 250+ students.

5. **Video Conferencing Competition:** Competition was held by **RFR Foundation** in collaboration with **IIT Ropar and Bharatiya Shikshan Mandal**.

This competition was based on making video conferencing **cross-platform software**. Our team secured their position in **Top 20** and qualified for the second round. The result of the second round is yet to be announced.

Projects

S.No.	Name	Start Date	End Date	Client
1.	Video Conferencing: An app that helps users to interact with each other through video conferencing.	01-05-2020	10-06-2020	SDC-SI
2.	WOFO-24: An industrial level project that focuses on home-based services. (wofo24.com)	15-07-2019	30-09-219 Delivered (Under Maintenance period up to 30-03-2019)	WOFO-24
3.	Amulet Entertainment : A website where users can register and pay for Auditions conducted by Amulet Entertainment. (amuletentertainment.in)	14-02-2020	31-03-2020 (Delivered) (Under Maintenance)	Amulet Entertainment
5.	AICTE: Website to automate the FDP (Faculty Development Program) conduction by AICTE all over India.	18-02-2020	On-hold	AICTE
6.	AKGEC.AC.IN: New college website based on WordPress.	25-01-2020	Ongoing	AKGEC

7.	<u>AKGEC.AC.IN:</u> Data placement and maintenance of existing college website based on WordPress.	01-08-2019	Ongoing	AKGEC
8.	<u>Traffic Sign Detection:</u> Detecting traffic Signs using Deep Learning and alarming the driver about maximum speed allowed.	10-12-2019	20-01-2020	SDC-SI
9.	<u>Number Plate Detection</u> Identifying suspects and improving security by number plate detection of automobiles using Deep Learning.	20-12-2019	20-01-2020	SDC-SI
10.	<u>Scrolls:</u> Website and mobile application for scrolls event held in college.	02-09-2019	01-10-2019	AKGEC
11.	<u>BDC:</u> A website made for registration of candidates willing to donate blood in blood donation camp.	28-02-2020	29-02-2020 (Delivered in 36 hours)	AKGEC
12.	<u>MCA:</u> Data entry and placement on the new website based on WordPress.	24-04-2020	10-05-2020	MCA

13.	<u>Saksham:</u> Interdepartmental Sports Event Website 2019-2020	26-08-2019	27-08-2019	AKGEC
14.	<u>Quiz-Portal:</u> New quiz portal for SDC Recruitment and four rounds of Infosys mock test.	10-08-2019	30-08-2019	AKGEC
15.	<u>UVHPE Site:</u> Website for human values cell to publish and showcase the general information.	15-09-2019	Delivered (under maintenance)	Human Values Cell
16.	<u>Table Tennis:</u> Website for national-level tennis tournament registration.	23-10-2019	26-10-2019	AKGEC
17.	<u>Tifac Core:</u> Maintenance of tifac core websites.	01-08-2019	Ongoing	TIFAC CORE

Director General

Dr. Vivek Singh Verma
HOD : SDC-SI
DATE: 23-06-2020