

Shambhunath Institute of Engineering and Technology

Department of Computer Science & Engineering

Vol-2

USI- DIGEST

Annual Year: 2021-2022

Vision of the Department

“Provide experimental, innovative knowledge in the field of computer science and engineering to meet the National and Global needs”.

Mission of the Department

M1: To offer professional leaning environment for student in Computer Science & Engineering ensuring fundamentals and analytical ability.

M2: To have research and development collaborations to keep side by side with emerging technological advancements and create cutting edge technology-driven solutions for problems faced by Society and Industries..

M3: To inculcate social and ethical values in students for the wellbeing of the nation and globe.

M4: To motivate students for higher studies, entrepreneurship ability ,innovative activities for the lifelong learning and sustainable development.

Editorial Board:

Chief Editor:

Mr. Niraj Tiwari

Assistant Professor

Faculty Editor:

Mr. Pankaj Tiwari

Assistant Professor

Student Members:

Sam Bin Mazar

Katyani Pandey

Inside This Issue

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- Faculty Participations
- Workshops and Webinars
- Placements

Program Educational Objectives (PEOs) of Department

PEO1: Graduates will be able to take up technical/ professional positions for design, development and problem solving in software industries, R&D organizations as well as will be a solution provider as an entrepreneur in various areas of Computer Science & Engineering.

PEO2: To understand their ethical professional, legal, and social responsibilities and contribute for the betterment of the society through active engagement with professional societies, schools, civic organizations or other community activities.

PEO3: Graduates will be capable and competent to pursue higher studies in Institutions of International / National repute.

INTERNATIONAL WEBINAR

The Department of Computer Science & Engineering organized an International Webinar on “Convergence on Blockchain Technology for IOT based Smart Home” On 26th June 2021. Eminent Speaker of the Event is **Mr. Saurabh Singh Dept. of Computer Science & Engg. Dongguk University, Seoul, South Korea**. The program started with the Welcome and Introduction of Speakers. HOD Dr. Radha Raman Chandan address the Overview of the Webinar and also give brief on IoT and Smart Home Ecosystem and Importance of Security and Privacy in Smart Homes

INTERNATIONAL WEBINAR
on
BlockChain Technology for IOT based Smart Home

Dr. A.P.J. Abdul Kalam
Technical University
Uttar Pradesh

COMPUTER SOCIETY OF INDIA
ESTD. 1985
Student Chapter Prayagraj

Registration
Last date :26-06-2021
<https://tinyurl.com/j7bd5ktm>
Only registered participants will get E-Certificate.

zfy-jauv-uis
10:00AM IST 26/06/2021

Queries? 93361 94294 rrcmiet@gmail.com
9580691046 gns.siet@gmail.com

Patron
Dr. R. K. Singh
CAO, S.G.I.

Program Convener
Dr. Daneil D. Dasig
(De La Salle Univ., Philippines)

Program Organizer
Dr. Radha Raman Chandan
(Professor, CSE, Deptt.)

Program Convener
Er. Sushil Kumar Singh
(Seoul Univ., South Korea)

Program Organizer
Dr. Vivek Singh
(Professor, ECE, Deptt.)

Student Co-ordinator
Piyush Srivastava
Pradyumn Kumar Pandey
Shubham Kumar Mishra
Avneesh Mishra

Program Co-ordinator
Mr. Gaurav Narain Singh
(Asth. Prof., CSE, Deptt.)

Shambhunath
Institute of Engineering
and Technology,
Prayagraj

Eminent Speaker
Dr. Saurabh Singh
Assistant Professor
Dept. of Computer Science & Engg.
Dongguk University, Seoul, South Korea

Speaker discusses how blockchain can enhance IoT applications in smart homes by providing security, privacy, and efficiency. Common IoT applications in smart homes: smart lighting, security systems, thermostats, etc., Challenges in current IoT systems: Security vulnerabilities, centralized data control, and privacy concerns. Also describes key Blockchain elements relevant to IoT: Smart contracts, peer-to-peer communication, cryptographic security.

Teacher's Day Celebration 2021

To honor and appreciate teachers for their dedication, hard work, and impact on students' lives Shambhunath Group of Institutions organized Teacher's Day in SIET Auditorium.



Guest Lecture on Science, Engineering & Technology and Their Interplays in department in CSE by Dr. Anil Tripathy, Professor IIT BHU, on 13/10/2021

The Department of Computer Science & Engineering organized an Guest Lecture on Science, “Engineering & Technology and Their Interplays” in department in CSE by Dr. Anil Tripathy, Professor IIT BHU, on 13/10/2021. Speaker said Science, Engineering, and Technology are often seen as separate disciplines, yet their interdependence is the backbone of modern innovation. Science seeks to understand the natural world through observation and experimentation. Engineering applies scientific principles to design solutions, and Technology is the practical implementation of those designs to solve real-world problems. The interplay of these fields has transformed societies, improving the quality of life and pushing the boundaries of what is possible. Also add that Engineering involves designing, building, and maintaining structures, machines, and systems using scientific principles. It focuses on creating practical solutions that address specific problems or needs.



**Plantation
And
Cleanliness
Drives
On
2nd Oct,
2021**



Inauguration of IEEE Student branch SIET, Prayagraj

The Department of Computer Science & Engineering and SIET Jhalwa Prayagraj organized the Inauguration Program of IEEE Student branch SIET, Prayagraj on 24th February, 2022. In this Program **Dr. S.K. Singh**, Chair, UP Section, IIT Allahabad was present as Chief Guest and **Dr. V.S. Tripathy**, SAC Chair, UP Section, MNNIT Allahabad was present as guest of Honour. The Speakers introduce its goals and benefits, and inspire students to participate in IEEE activities that foster technical skills, networking, and professional growth.

Shambhunath Institute Of Engineering And Technology, Prayagraj

Cordially Invites You All for Inaugural Session of

IEEE STUDENT BRANCH (STB99524)

Chief Guest	Guest Of Honour	Moderator
		
Dr. S.K. Singh Chair, IEEE UP Section IIT Allahabad	Dr. V.S. Tripathy SAC Chair, IEEE UP Section MNNIT Allahabad	Dr. R.K. Singh Director, SIET Prayagraj

 **24th February (Thursday)**
12:00 PM (IST)

 **Seminar Hall**
SIET
Prayagraj

www.siet.in



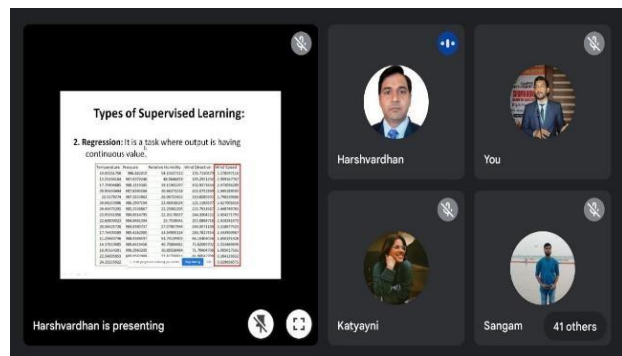
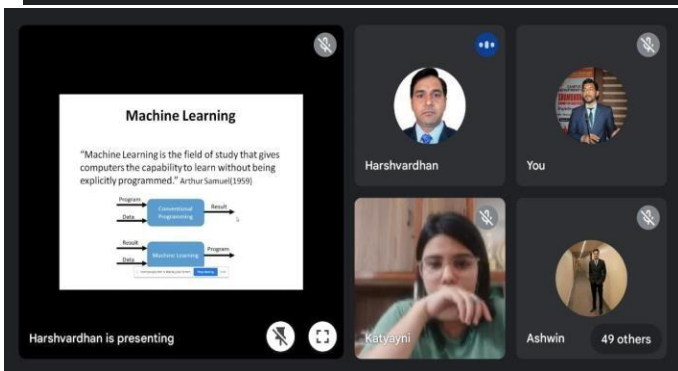
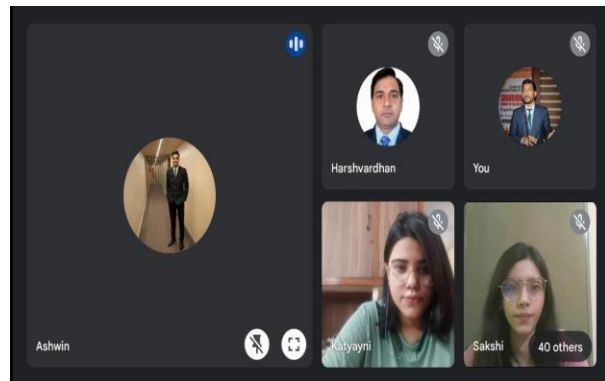
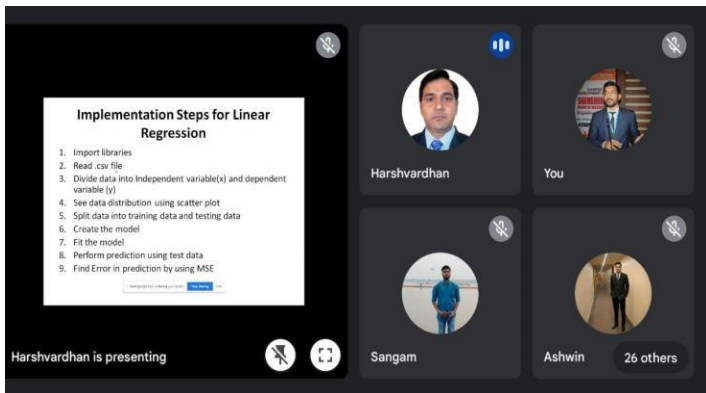
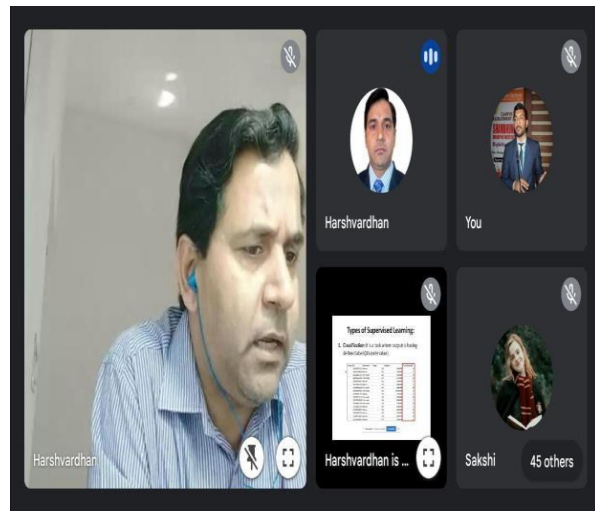
CSIFoundation Day2022

Organised
by
Department
of Computer
Science &
Engineering,
SIET,
Prayagrajin
association
with CSI
Allahabad
Chapter and
CSI-SIET
Student



OnedaywebinaronRegressionanalysisin MachineLearning

One daywebinar on “**Regression analysis in Machine Learning**” Organised byThe Department ofComputer Science & Engineering SIET, Prayagraj in association withIEEE-SIET Student Branch Chapter on April 09,2022. The Eminent Speaker Prof. **H.V. Mishra** preside the event. The Speakers discusses about the fundamentalconcept in machine learning, particularly in supervised learning, where the goal is to predict continuous outcomes. It's widely used across various fields like finance, healthcare, marketing, and engineering for tasks like forecasting sales, predicting house prices, or assessing risks.



Aarambh'22 National Online Coding Contest

The students of Shambhunath Institute of Engineering & Technology have come up with the idea of introducing a Coding Club in the college, and hence SCC came into existence. Aarambh'22 is the very first event, conducted by the Club. SCC is proud to state that Aarambh'22 is a National Online Coding Contest that got enough hype, and traffic.

Patron(s):-

- Dr. R.K Singh(Director & CAO, SGI)
- Dr. Radha Raman Chandan(HOD, CSE Department, SIET)
- Prof. Abhishek Kumar Pandey
- Prof. Pankaj Tiwari
- Prof. Prashant Srivastava
- Prof. Manavendra Pratap Singh
- Dr. Bakshi Rohit Prasad

SCC Team:-

- Sahil Kesarwani
- Yuvraj Tripathi
- Rishi Singhal
- Rajnish Tripathi
- Pragati Kesarwani
- Katyayni Pandey
- Sameer Hussain

Sponsor(s):-

- GeeksForGeeks
- Institute of Electrical and Electronics Engineers
- Computer Society of India
- PapayaCoders

Prize(s):-

- Prize Pool of Rs. 10,000 for the Top 3 Winners by Shambhunath Institute of Engineering & Technology
- GFG coupons worth Rs. 2000 for top 10 winners
- GFG goodies kits
- GFG coupons worth Rs. 300 for each participant

Aarambh'22 turned out to be successful only because of the hardwork that the SCC team had put up together, and the constant support of the professors. The Contest had four questions that varied in terms of difficulty, ranging from Very Easy to Hard, hence making it suitable for beginners as well as the experts. Our students strived to promote the first event of SCC, and managed to get more than 500 students to participate in the event. These students were from various IITs, NITs, and other state level colleges. The top 3 winners namely Deepak Yadav, Ritik Gupta and Saral Srivastava were from Motilal Nehru National Institute of Technology, Prayagraj and Indian Institute of Technology, Dhanbad. The leaderboard for the Top Participants is attached here:-

Rank	Rank	Last Correct Submission	Qns	Coding	Total
1	deepak978107863	2022-05-12 20:55:10	0	100	100
2	r98gqpfqjvc07	2022-05-12 20:25:38	0	100	100
3	saralSrivastava25	2022-05-12 19:59:35	0	98.5	98.5
4	dhruv7888	2022-05-12 19:43:02	0	97.5	97.5
5	pratapvishal2003	2022-05-12 20:18:05	0	97.5	97.5
6	maharishidipesh	2022-05-12 20:30:06	0	97.5	97.5
7	prabhjot	2022-05-12 20:12:15	0	96.55	96.55
8	94167485	2022-05-12 20:18:00	0	96	96
9	colanhatraj	2022-05-12 19:56:38	0	89	89
10	amyojcaratalak	2022-05-12 20:29:41	0	88.91	88.91

The Winners of Aarambh '22!



1. DEEPAK YADAV



2. RITIK GUPTA



3. SARAL SRIVASTAVA

ICISSI-2022



ICISSI - 2022

International Conference on Intelligent Systems and Smart Infrastructure

21-22 May 2022



International Conference on Intelligent Systems and Smart Infrastructure (ICISSI-2022) is being jointly organised by Shambhunath Institute of Engineering and Technology, Prayagraj UP India, Institute of Engineering and Technology (IET) Lucknow, U.P India, and Manipal University Jaipur, Rajasthan India during May 21-22, 2022 with an aim to provide a platform for researchers, scientists, technocrats, academicians and engineers to exchange their innovative ideas and new challenges being faced in the field of emerging technologies. This conference will be a platform to focus on the core technological developments in the emerging fields like machine learning, intelligence systems, smart infrastructure, advanced power technology etc.

The conference covers all broad disciplines of electronics, electrical and computer science engineering. Papers are invited in the following domains:

Track-1: Intelligent Wireless Systems

Track-2: High-Speed Electronic Devices

Track-3: Artificial Intelligent and Machine Learning

Track-4: Advanced Power and Energy Systems

Publishing & Indexing Information:

All the submitted papers for ICISSI-2022 will undergo the review process by the Review Committee. The accepted and presented papers during the conference will be published in the proceedings of 1st International Conference on Intelligent Systems and Smart Infrastructure (ICISSI-2022). The proceedings of ICISSI-2022 will be published by CRC Press, Taylor & Francis Group. The proceeding will be submitted to SCOPUS and Google Scholar by CRC Press, Taylor & Francis Group. The length of the manuscript should not be exceeded more than 6 pages. In special cases, authors are allowed to submit the manuscript more than 6 pages with an extra charge of Rs. 500 per page.

Someglimpseoftheevent:



The poster features logos for Utthan, IET Lucknow, IET Prayagraj, and CRC Press. The main title is 'INVITATION ICISSI-2022' in large, bold, blue letters. Below it, the conference name is written in smaller text. The organizers are listed as Shambhunath Institute of Engineering and Technology Prayagraj (U.P), India; Institute of Engineering and Technology Lucknow (U.P) India; and Manipal University Jaipur, India. The event is held at Shambhunath Institute of Engineering and Technology. The ceremony is on 21 May 2022 at 10:30 A.M. in the SIET Auditorium Hall. The Chief Guest is Prof. Pradeep Kumar Mishra, Hon'ble Vice Chancellor AKTU. The Guest of Honor is Prof. Vineet Kansal, Director-IET Lucknow. The ceremony will be presided over by Dr. K.K. Tewari, Secretary-Utthan, and Dr. R. K. Singh, CAO-Utthan. The Organizing Chair includes Dr. Neelam Srivastava, Dr. Brijesh Mishra, Dr. Radha Raman Chandan, Dr. Niraj Kumar Shukla, Dr. Ashok Kumar, Dr. Chitrakant Sahu, Dr. RCS Chauhan, and Dr. Rajiv Kumar Singh. The General Chair includes Dr. Subodh Wariya, Dr. Arun Kumar Shrivastava, Dr. Manish Tiwari, and Dr. Ram Racksha Tripathi.

INVITATION ICISSI-2022
1st International Conference On Intelligent Systems And Smart Infrastructure
Jointly Organised By
SHAMBHUNATH INSTITUTE OF ENGINEERING AND TECHNOLOGY PRAYAGRAJ (U.P), INDIA
INSTITUTE OF ENGINEERING AND TECHNOLOGY LUCKNOW (U.P) INDIA
MANIPAL UNIVERSITY JAIPUR, INDIA

Shambhunath Institute Of Engineering And Technology
Cordially Invites You For
INAUGURAL CEREMONY
ON 21 MAY 2022 (SATURDAY) AT 10:30 A.M.
VENUE : SIET AUDITORIUM HALL

Chief Guest : Prof. Pradeep Kumar Mishra Hon'ble Vice Chancellor AKTU
Guest of Honor : Prof. Vineet Kansal Director-IET Lucknow

THE CEREMONY WILL BE PRESIDED OVER BY

DR. K.K. Tewari Secretary-Utthan | **DR. R. K. Singh** CAO-Utthan

ORGANIZING CHAIR

- Dr. Neelam Srivastava, EC Dept. IET, Lucknow, India
- Dr. Brijesh Mishra, EC Dept. SIET, India
- Dr. Radha Raman Chandan, CS Dept. SIET, India
- Dr. Niraj Kumar Shukla, EE Dept. SIET, India
- Dr. Ashok Kumar, Govt. Women Engineering College, Ajmer
- Dr. Chitrakant Sahu, ECE Dept., MNIT Jaipur
- Dr. RCS Chauhan, EC Dept. IET Lucknow India
- Dr. Rajiv Kumar Singh, EC Dept. IET, Lucknow, India

GENERAL CHAIR

- Dr. Subodh Wariya
EC Dept. IET, Lucknow, India
- Dr. Arun Kumar Shrivastava
SIET, India
- Dr. Manish Tiwari
ECED, Manipal University, India
- Dr. Ram Racksha Tripathi
EC Dept. SIET, India



International/National Journals/Conferences

1. Radha Raman Chandan, Melanie Lourens, KK Ramachandran, Shaik Vaseem Akram, Rohit Bansal, Dhiraj Kapila, “Implementation and execution of blockchain technology in the field of Education”, 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) , 979-8-3503-9826-7/22/\$31.00 ©2022 IEEE.
2. Hariprasath Manoharan, Sulaima Lebbe Abdul Haleem, S Shitharth, Pravin R Kshirsagar, Vineet Tirth, M Thangamani, Radha Raman Chandan, “A machine learning algorithm for classification of mental tasks”, Computers and Electrical Engineering Volume 99, April 2022, 107785.
3. Vivek Veeraiah, A Pankajam, Ela Vashishtha, Dharmesh Dhabliya, P Karthikeyan, Radha Raman Chandan,” Efficient COVID-19 identification using deep learning for IoT”, 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) , 979-8-3503-9826-7/22/\$31.00 ©2022 IEEE.
4. Shwet Ketu, Pramod Kumar Mishra,” Internet of Healthcare Things: A contemporary survey” Journal of Network and Computer Applications., Volume 192, 2021.
5. Shwet Ketu, Pramod Kumar Mishra,” Cloud, fog and mist computing in IoT: an indication of emerging opportunities” IETE Technical Review, Volume 39, Pages: 713-724, 2022.
6. Shwet Ketu, Pramod Kumar Mishra,” RETRACTED ARTICLE: India perspective: CNN-LSTM hybrid deep learning model-based COVID-19 prediction and current status of medical resource availability” Soft Computing, Volume 26, Pages: 645-664, 2022.
7. Shwet Ketu, Pramod Kumar Mishra,” Empirical analysis of machine learning algorithms on imbalance electrocardiogram based arrhythmia dataset for heart disease detection” Arabian Journal for Science and Engineering, Volume 47, Pages: 1447-1469, 2022.
8. Shwet Ketu, Pramod Kumar Mishra,” A Contemporary Survey on IoT Based Smart Cities: Architecture, Applications, and Open Issues” Wireless Personal Communications, Volume 47, Pages: 1-49, 2022.

Faculty Participation in FDP's and Short-Term Courses

1. **Shivam Bhardwaj** Participated in the one week Faculty Development Program on “Introduction to Python Programming and its Applications” organized by E&ICT Academy IIT Guwahati held from 21-26 February, 2022.
2. **Shivam Bhardwaj** Participated in the One-week Short-term Course on “Practical Aspects of Machine Learning” organized by department of Computer Science & Engineering at Kamla Nehru Institute of Technology Sultanpur U.P. held from February 07–11, 2022.
3. **Shivam Bhardwaj** Participated in the AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Cyber Physical Systems and Industrial IoT" from 17/01/2022 to 21/01/2022 at SRM Institute Of Management Technology.
4. **Shivam Bhardwaj** Participated in the AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Recent Trends of Emerging Research Advances in Design Aspects and Innovative Modeling Techniques with Miniaturization for Electronics Devices and Circuits" from 24/01/2022 to 28/01/2022 at Engineering Degree Division, Institute of Engineering and Rural Technology, Prayagraj.
5. **Shivam Bhardwaj** Participated in the 5-Day Faculty Development Workshop “Data Science and Machine Learning using Python” from 4 July, 2022 to 8 July, 2022 Workshop Organized by MIT Meerut and Delivered by Edu net Foundation.

PLACEMENTS

A total of 21 students of B.Tech.(CSE) are placed in software and hardware companies like TCS, IGTSolutions, Unthinkable Solutions LLP etc. during Academic Year 2021-2022.

S.N	StudentID	RollNo.	Name	CompanyName	Package
1	18BTCS0127	1816210008	AhadRahmani	TCS	4.36
2	18BTCS0186	1816210009	AmanDubey	UnthinkableSolutions LLP	3-5LPA
3	18BTCS0157	1816210010	AmitKumar Kushwaha	TCS	6.36
4	18BTCS0167	1816210012	AnanyaShukla	JustDialLtd.	3.08LPA
5	18BTCS0169	1816210032	KumarShivam	IGTSolutions	2.40Lacs CTC
6	18BTCS0168	1816210033	KumarShubham	IGTSolutions	2.40Lacs CTC
7	18BTCS0107	1816210035	MirzaSaadAli	TCS	3.36
8	18BTCS0078	1816210041	Mohit Kumar Verma	StayinFront	1.80LPA
9	18BTCS0129	1816210043	NeerajYadav	StayinFront	1.80LPA
10	18BTCS0153	1816210047	PavneshKumar	IGTSolutions	2.40Lacs CTC
11	18BTCS0125	1816210065	SeemaVerma	JustDialLtd.	3.08LPA
12	18BTCS0507	1816210066	ShadmaParveen	JustDialLtd.	3.08LPA
13	18BTCS0108	1816210068	ShahzebKhan	JustDialLtd.	3.08LPA
14	18BTCS0515	1816210069	Shambhavi Srivastava	JustDialLtd.	3.08LPA
15	18BTCS0084	1816210071	ShashankDwivedi	StayIn Front	1.08LPA
16	18BTCS0027	1816210086	Utkarsh Mishra	TCS	9.36
17	18BTCS0182	1816210088	VikashGaurav	TCS	7.36
18	18BTCS0182	1816210088	VikashGaurav	StayIn Front	1.08LPA
19	18BTCS0061	1816210078	ShivendraPrakash Mishra	StayIn Front	1.08LPA
20	18BTCS0030	1816210079	ShreyaAgrawal	StayIn Front	1.08LPA
21	18BTEE0026	1816210081	Soumya Srivastava	StayIn Front	1.08LPA
