"CONSILIUM ELIT' 19"

✦ INTRODUCTION:

Institution of Engineers (India) [IE(I)] student chapter of the Department of Electrical Engineering, RCC Institute of Information Technology has organized a 2 days students' event on 6th & 7th August, 2019. The event is entitled as "CONSILIUM ELIT". It is a Latin phrase which stands for "Design Competition". The event comprises of three interesting categories of competitions:

(a) Prototype Design competition.
(b) Seminar Paper Presentation
(c) Technical Quiz Competition.

Students of this institute and also from other engineering institutes are participated in this event.

✦ INAUGURATION CEREMONY:

🌐 Timing and Venue Details:

Inauguration ceremony was held on 6th August, 2019 from 11.00 a.m. to 11.30a.m. in Language Lab-II, Engineering Science and Management Dept., RCCIIT old Campus.

🌐 Invitees:

- 🖥 Dr. Siddhartha Bhattacharyya, Principal, RCCIIT.
- 🖥 Dr. Debasish Mondal, HOD & Associate Professor, Electrical Engineering Dept., RCCIIT.
- 🖥 Mr. Sayantan Sinha, Registrar, RCCIIT.
- 🖥 Dr. Alok Kole, Professor, Electrical Engineering Dept., RCCIIT.

All the invitees were requested to light the Lamp for inauguration of the program. They were also requested to say about the program. Principal sir has given very inspiring speech to the students for organization of the event. HOD, EE has advised for more & more involvement & participation of the students and pointed out that this type of program can explore inherent knowledge and intelligence of the students. All dignitaries on the dais were felicitated with flower bouquets.

Inauguration ceremony of "CONSILIUM ELIT' 19" - in presence of Principal-RCCIIT, HOD-EE, IE(I)-Chapter Advisor, Registrar-RCCIIT [from right]

PROTOTYPE DESIGN COMPETITION:

Introduction:

Prototype Design Competition was the main attraction of the event.

In this competition a total of 14 teams were participated with different kinds of projects and all were unique one under the domain & Theme "SMART CITY".

Timing and Venue Details:

Prototype Design Competition was held on 7th August, 2019 from 11.30 a.m. to 3.00 p.m. This competition was done in Electric Machine Lab (N014), EE Dept., RCCIIT & Power System-II Lab (N114), EE Dept., RCCIIT. Large models were demonstrated in Electric Machine Lab & Small models were demonstrated in Power System-II Lab.

Participating Team Details:

Name of Team	TEAM MEMBERS	Team No	Model Name / Title
SUMMONERS	1. ABHIJIT BISWAS 2. TAMAL MUKHERJEE 3. HEMANTA JANA 4. SOUMYAJIT DUTTA 5. RAJIB TUDU	1	**Solar Tracker with Smart Street Light**
Awp-ertunists	1. SOUNAK DUTTA 2. ARKA GHOSH 3. JOYJIT MAJUMDER 4. SWAPNADIP MONI	2	**Smart Parking System**
The Mindhunters	1. ARKADEEP NANDI 2. AVIK SINHA 3. SOUMALYA AICH 4. ATRIA GHOSH 5. ANKITA DAS	3	**Rain Sensor based Home Automation and Soil Irrigation**
Technotron	1. SOUMYADEEP MUKHERJEE 2. SAYAK MAJUMDER 3. SARJANA SINGH 4. PRITAM DAS	4	**Air Quality Monitoring**
Electrineers	1. SIDDHARTHA GHOSH 2. SUBHAM MAHANTA 3. ATANU MANDAL	5	**Smart Fire alarm and Protection System**
	1. PRASUN BISWAS	6	**IoT based Smart City**
Invincible	1. SUPRATIK GHOSH 2. SAYATREE PANDIT 3. DEBARATI SIKDAR 4. ANISH CHAKRABORTY 5. DIPTESH BASU	7	**Biometric Door Lock**

Team1234	1. AVIJIT SAHA 2. SRIJAN CHATTERJEE 3. DARSHAN KUMAR DAS	8	Infrared Alarm
Techz Inovation	1. RONI BORAL 2. SANDIPAN MUKHERJEE 3. SAGNIK DAS 4. SASWATO ROY	9	Home automation by voice control
Dark Riders	1. SURJAY BORAL 2. SOUMYAJIT DE 3. TANMOY SAMANTA 4. RAHUL RAKSHIT	10	IoT based Automatic Runway Lighting System in Defense Airports with Text message alert
Subarashi	1. KAUSTAV BHATTACHARYA 2. SAGNIK ACHARIYA 3. SAYANTINI GANGULY	11	IoT based Smart Irrigation System
Revelation	1. SYED ZEESHAN AHMAD 2. DISHARI SENGUPTA 3. SRISHTI SENGUPTA 4. RACHAITA DUTTA 5. ANKITA BANERJEE	12	Single Axis Solar Tracker
Trinoo	1. SWACHHA PRODIP SAHA 2. PRONOBESH HAZRA 3. DIBOJOTI SARKAR 4. KRISNA PASAD SAMANTA	13	Smart Dustbin
RRQ	1. SAYAN MALLICK 2. ATITRA MALLICK 3. RAJDEEP RAJBANSHI 4. ANALPRABHA ROY 5. ABHISHEK SARDAR	14	Automatic Railway Gate Control System

🌐 **Judges:**

- 🖥 Dr. Ashoke Mondal, Professor, Electrical Engineering Dept., RCCIIT.

- 🖥 Dr. Abhijit Das, HoD & Associate Professor, Information Technology Dept., RCCIIT.

- 🖥 Mr. Budhaditya Biswas, Assistant Professor, Electrical Engineering Dept., RCCIIT.

- 🖥 Mr. Sarbojit Mukherjee, Assistant Professor, Electrical Engineering Dept., RCCIIT.

🌐 **Winning Teams:**

- 🖥 **Winner: Electrineers** with "**Smart Fire alarm and Protection System**".

- 🖥 **1st Runner up:** **Awp-ertunists** with "**Smart Parking System**".

- 🖥 **2nd Runner up:** **Dark Riders** with " **IoT based Automatic Runway Lighting System in defence Airports with Text message alert**".

PAPER PRESENTATION:

Introduction:

Paper Presentation was another interesting part of CONSILIUM ELIT'19. We regret saying that 4 teams participated in this competition due to some problems and issues. Some of the teams were not ready to present on that day.

Timing and Venue Details:

Paper Presentation was held on 6th August, 2019 from 11.30 a.m. to 1.15 p.m. This competition was done in Language Lab-II, ESM Dept., RCCIIT.

Participating Team Details:

Name of Team	Team Members	Team No	PAPER TOPIC/ SUBJECT
Electrineers	1. Siddhartha Ghosh 2. Subham Mahanta	1	Design and implementation of IOT based fire alarm with prevention of fire monitoring, monitoring the temperature & fire alerting system with email.

Endeavour	1. Shreyashi Haldar 2. Shreyasi Ghosh	**2**	**Electric Vehicles and Solar Power Charging**
Trinoo	1. Swachha Prodip Saha	**3**	**Cyber security**
One man army	1. Subhrajyoti Talapatra	**4**	**Vehicle to Vehicle Communication**

Judges:

- Dr. Alok Kole, Professor, Electrical Engineering Dept., RCCIIT.
- Dr. Debasish Mondal, HOD & Associate Professor, Electrical Engineering Dept., RCCIIT.
- Dr. Shilpi Bhattacharya, Associate Professor, Electrical Engineering Dept., RCCIIT.
- Dr. Anirban Mukherjee, Associate Professor, Engineering Science & Management Dept., RCCIIT.

Winning Teams:

- **Winner: Electrineers** with paper "**Design and implementation of Iot based fire alarm with prevention of fire monitoring, monitoring the Temperature & fire alerting system with email**".

- **1st Runner Up: One man army** with paper "**Vehicle toVehicle Communication**

- **2nd Runner Up: Endeavour** with paper "**Electric Vehicles and solar Power Charging**

- **TECHNICAL QUIZ COMPETITION:**
  - **Introduction:**

    Technical Quiz Competition was the most popular & interesting part of CONSILIUM ELIT'19. A total of 17 teams participated in this competition. Each team consisted of 2 participants.

  - **Timing and Venue Details:**

    Technical Quiz Competition was held on 6th August, 2019 from 2.30 p.m. to 6.30 p.m. This competition was done in Language Lab-II , ESM Dept., RCCIIT.

  - **Participants Details:**
    - Jitsona de
    - Sounak bar
    - Siddhartha ghosh
    - Prasun biswas
    - Debarati chowdhury
    - Srijan chatterjee
    - Abhisek kumar
    - Debjyoti dey
    - Shreyashi haldar
    - Swachha prodip saha
    - Rukmini sanyal
    - Arka ghosh
    - Subham mahanta
    - Sayak majumder
    - Monojeet das
    - Avijit saha
    - Sibil mandi
    - Anubhav chowdhury

- Rahul rakshit
- Soumyadeep mukherjee
- Syed zeeshan ahmed
- Dishari sengupta
- Rachaita dutta
- Rajdeep rajbanshi
- Analprabha roy
- Pratyush Chakraborty
- Shreyasi ghosh
- Pronobesh hazra
- Ankita banerjee
- Srishti chakraborty
- Aritra mallick
- Sayan mallick
- Pritam das
- Subhrajyoti Talapatra

🌐 **Rounds:**

Technical Quiz

Rounds 4+1

Prelims
CONSILUM ELIT RCCIIT (8-4-6)

Finals - 8 teams
•Mixed Bag (8 written)
•From Xerox To Facebook (8 clockwise p/b)
•Techno India(8 anticlockwise p/b)
•Uno Reverse (Differential scoring - only p)

🌐 **Quiz Masters:**

- Mr. Soumya Mistry, Q Zone, Techno Mains, Salt Lake City.
- Mr. Soumyabrata Chakraborty, Q Zone, Techno Mains, Salt Lake City.

🌐 **Winning Teams:**

- **Winner: Sounak Bar & Arka Ghosh.**
- **1st Runner up: Swaccha Pradip Saha & Pronobesh Hazra.**
- **2nd Runner up: Debjyoti Dey & Pritam Das** jointly with **SayanMallick & Aritra Mallick.**

VALEDICTORY SESSION:

🌐 **Timing and Venue Details:**

Valedictory Session was held on 7th August, 2019 from 4.00 p.m. to 5.00 p.m. in the Language Lab-II, ESM Dept., RCCIIT.

🌐 **Invitees:**

- **Dr. Ashoke Mondal**, Professor, Electrical Engineering Dept., RCCIIT.
- **Mr. Nizam-Ud-Din Molla**, Assistant Professor, Electrical Engineering Dept., RCCIIT.
- **Mr. Budhaditya Biswas**, Assistant Professor, Electrical Engineering Dept., RCCIIT.
- **Mr. Sarbojit Mukherjee**, Assistant Professor, Electrical Engineering Dept., RCCIIT.
- **Mr. Nitai Banerjee**, Assistant Professor, Engineering Science & Management Dept., RCCIIT.
- **Mr. Avijit Saha**, Assistant Professor, Engineering Science & Management Dept., RCCIIT.

🌐 Certificate and Prize Distribution:

All the participants were provided with Participation Certificate and members of 1st two winning teams were also given certificate of excellence. All event co-coordinators were also provided certificate of co-ordination.

Prototype Design Competition:

Paper Presentation:

Technical Quiz Competition:

ACKNOWLEDGEMENT:

IE(I) Student Chapter would like thank all the program coordinator and the students who are involved and associated with the event. We would like to give special thanks to West Bengal State Centre, IE(I) for Technical Sponsorship for this event. We would also like to thank Management of RCC Institute of Information Technology for all kinds of support for organizing this program. We would like to thank Dr. Debasish Mondal , HoD, EE dept. and Dr. Alok Kole, Chapter Adviser, IE(I) Student Chapter for helping us in every step. We would like to thank faculty members; Dr. Shilpi Bhattacharya, Mr. Sarbojit Mukherjee, Mr. Nitai Banerjee, Mr. Avijit Saha by heart for their active co- operation during this program. Last but not least we are really very grateful to all the participants for their active interest and inspiration in this program.

Thanks and Regards

- Tanmoy Samanta, *Chair*, *IE(I) Student Chapter*, EE, RCCIIT.
- Soumyajit De, *Vice Chair, IE(I) Student Chapter*, EE, RCCIIT.
- Surjay Boral, *Secretary, IE(I) Student Chapter*, EE, RCCIIT.
- Mandira Das, *Anchor*, CONSILIUM ELIT'19.
- Subhrajyoti Talapatra, *Photographer*, CONSILIUM ELIT'19.
- Diptesh Basu, *Photographer*, CONSILIUM ELIT'19.
- Rahul Rakshit, *Co-ordinator*, CONSILIUM ELIT'19.

-:The End:-