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Dated: 31th December, 2021

From the President's Desk:

Dear SITians,

I wish one and all of SIT Family a Merry Christmas (belated), A Very Happy New Year and a Happy Pongal.

I would like to share the progress of the construction work of our open air Auditorium. The Structure is completed in all respects and gives a very good look. Finishing works like color washing, installation of busts of our unmatchable Principals Late Sri G.S and Late Sri. ANC. providing Kota Stone Flooring in the main portion, fixing up of toilet seats, plumbing works, providing electrical connections are some of the works going on now. Hopefully all the above listed works will be completed in one month's time.

We propose to inaugurate the Main Stage portion of the Auditorium on 28<sup>th</sup> January 2022, along with the inauguration of the new constructed for the Paper & Pulp Technology department Industrial Lab funded by Seshasayee Papers and Boards Limited and SITAA and celebrate the 70<sup>th</sup> Annual day of the institution. We are aiming at doing all the above three on 28/1/22, with the blessings of God.

Since the Auditorium construction is in the finishing stage, a large amount of funds is urgently required. I feel happy to note the numerous positive responses against my previous appeals, from several alumni and I wish to thank each one of our alumnus. Still I expect a good contribution from some of our Alumni along with other Alumni, whose Contact details I got only recently.

The details of the events & other activities during this quarter are presented in the subsequent pages of this issue. Once again, I appeal to all our Alumni to come forward to contribute their might for the construction of the auditorium in our SIT Campus, so that the work can be accelerated and project can be completed at the earliest.

The Academic work for this year has started, as per the directives of the Government of Tamilnadu and Directorate of Technical Education, Chennai. It goes on well, with due care taken by Sri. G.M. Rajendran, Hon. Secretary, (SES), Dr.K.Vijayakumar, Principal-I/C, Dr.V.G.Ravindhren, Vice Principal and their team. I appeal to all students of SIT to utilize the best facilities available in our Institution and to shape themselves as promising professionals and leaders in their chosen fields.

The list of all donors for the Auditorium project is being compiled and will be recorded in a suitable way as the record for the future generations to know.

Wishing you all the best,

P.A.Balasubramanian President SITAA, Former Faculty Member & Alumnus, 1963

## Dear SITians,

Season's greetings to you and your family. Let me share that our institution is crossing an important milestone i.e. 70<sup>th</sup> anniversary on 28-01-2022. On that day we plan to inaugurate PPT Industrial Laboratory funded by Seshasayee Papers and Boards Limited, Erode, SITAA and SES. Further it is proposed to inaugurate GS-ANC Auditorium with the busts of our former remarkable Principals Sri.GS and Sri.ANC on the same day. After finalizing the programme we will inform through email along with invitation of the functions. All are invited to attend trio celebrations.

Though there were several restrictions due to Covid and omicron pandemic, our institution functions through online and offline classes. Several webinars and lectures were arranged for the benefits of the students and faculty. In this month we appointed M/s.Aassan Educare, consultants for attaining NBA. NBA is a mandatory requirement for technical education programmes, as per the guidelines of AICTE and DOTE.

I present various activities of SIT & SITAA of this quarter. Kindly go through this issue and furnish your feedback.

With Regards

G M Rajendran Hon Secretary SIT & Vice President, SITAA



Department of ICE has arranged a webinar on "Evolution of Control Systems" on 01-10-2021

Department of Computer Engineering has arranged a webinar on the topic "**Cloud Computing**" for the benefit of 2<sup>nd</sup> and 3<sup>rd</sup> year students on 02-10-2021. Mr. Suresh Raja Gopal, Staff Engineer, Equinix, Singapore was the resource person. Google meet was very attentive by the students

Ayudha Pooja was celebrated in our campus on 13-10-2021 in a humble manner

On 23-10-2021 Department of ICE and ISTE Students Chapter arranged an Online Guest Lecture on **"Sensors and its Medical Applications"** by Dr.J.B.Jeeva, Associate Professor, Vellore Institute of Technology, Vellore.

## Webinar on Smart Grid:

On 30-10-2021, a webinar is conducted on Smart Grid by our alumnus Sri.Raman Raghuraman, 1990 Mechanical. Sri.Raman Raghuraman is presently Deputy Dean, AMIT University, Malaysia. Dr.K.Vijaykumar, Principal ic, Sri.Saravanan, HOD EEE and Sri.Kathiravan Lecturer, EEE and final year EEE Students activley participated in this webinar.



On 13-11-2021, **Overseas Placement Oppurtunities Webinar** organised by Training & Placement Cell and Students Chapter to impart the basic essential knowledge about overseas job oppurtunities. Students attended with enthusiasm.



The **16<sup>th</sup> Academic Board meeting** was held on 18-11-2021, finalized and approved the Autonomous F-Scheme syllabus. Mr. Mohamed Farook, Principal, GPTC Aranthangi and Mr. Senthil Kumar, Liaison Officer, DOTE participated on behalf of DOTE. Principal, Secretary, CoE and all the HODs participated and arrived at the final syllabi for all branches.

**Inauguration of enhanced EEE Lab**: Sri.S.Radhakrishnan General Manager Retd India Cements, Mrs.V.Rajalakshmi, Mr.V.Ramkumar, Mrs.Priya Ramkumar inaugurated the enhanced EEE laboratory on 20-11-2021. For this enhancement Rs.5.5 lakhs was contributed by Sri.Radhakrishnan in memory of (Late) Sri.T.S.Narayanaswamy Iyer who was EEE Faculty in SIT during 1952-55



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**Entrepreneurship Awareness Program** – Entrepreneurship Development Cell, SIT organised a program "Entrepreneurship Awareness Program" on 24-11-2021.Sri.T.Rajamanikandan, M.E. (PhD) Assistant Professor, Master Trainer & R&D Incharge, EEE, Kongunadu College of Engg. Thottiam and CEO, Green Lips Foods and Pacakages Thottiam briefed the basic requirements to become entrepreneurs.



Department of EEE has organized a webinar on **"Flexible AC Transmission system**" on 01-12-2021 for the final year students. Smt.P.Usha Rani Professor, EEE of RMD Engineering College delivered the lecture. This programme is under "Prime Minister Research Fellowship (PMRF) Scheme.

**MOU with IWS** – On 03-12-2021, SIT signed MOU with Indian Welding Society on which our students will get benefitted to have the hands on training. Further this will help us to enhance our welding workshop and narrow the gap between academics and the expectations of the industry. This will be beneficial to our students.



Dr.G.Vairamani, Workshop Supdt. & Dr.V.G.Ravindhren, Vice Principal handing over the MOU to Dr. Raju, Secretary, IWS and others. Sri.N.Parameswaran, EC Member, SITAA and Sri.R.Selvaraj, our Alumnus Office bearers, IWS are also present on this occasion.



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**MOUs with several organisations**: As per AICTE guidelines, SIT signed MoUs with companies and other training centers to get the students during the vacation period. (<u>https://internship.aicte-india.org/</u>). All the departments have signed MoUs with various MSME and private companies to provide industrial training, industry visits, Guest lecturer and placement.

DOTE in the revised N scheme syllabus has made it compulsory for the students to undergo internship training during the vacation period of  $4^{th}$  and  $5^{th}$  term. The mark scored in the training will be taken as part of the Project evaluation. We can provide content beyond the syllabus to the students.

A Webinar is arranged by Department of Computer on 04-12-2021. Department of Computer Engineering has organized a webinar on **"Careers with Free/Libre and open source software"** on 04-12-2021. Mr.Shakthi Kannan, Senior Engineer, Segfault systems, IIT Madras explained the basics and applications.



**Technical Teachers Training Certification Course** is conducted at SIT since 06-12-2021. One month training for the TTC on the auspices of DOTE was inaugurated on 06-12-2021 at SIT. 90 participants from the districts in and around Trichy are undergoing training



**Health Awareness Programme** was organised by SIT for all Faculty and Staff on 06-12-2021 A program on Health awareness was conducted on 06-12-2021 for the benefit of all the staff of SIT. Mr.SG.Kadhiravan Lecturer (SG)/EEE informed the importance of good health and also demonstrated how to know the status of one using simple methods.



On 07-12-2021, for Final year students, **Drugs prevention and awareness of Pocso law programme** was conducted by Tamil Nadu Police department.

Program on Drug Prevention and Pocso Awareness was conducted on 07-12-21. The program was arranged by the NSS, NCC, YRC units of SIT. Mr.Kamaraj, Asst. Commissioner of Police, Ponmalai Range, Madam Ajeem, Inspector of Police, All Women police station, Ponmalai participated



On 09-12-2021 Mechanical department organised a **Webinar on Alternate Fuels. Dr.R.Anand** Assistant Professor, NIT, Trichy briefed the details of the subject. Dr.Anand explained the need of the hour for alternate fuels and applications.

On 10-12-2021, Computer department conducted a **Seminar on Ethical hacking**. Seminar was handled by M/s.Live wire Technologies



Department of Computer Engineering conducted a webinar on **"Cloud Computing and Big Data Analytic"** on 15-12-2021. Mr.MSM.Sivam, Technical Lead, Big Data Infrastructure, TCS delivered the essential features.

Department of Basic Engineering celebrated "**National Mathematics day**" on 22-12-2021. Chief guest of this event, Dr.V.Shanthi, Associate. Professor, NIT Trichy addressed the gathering and importance of Mathematics in all the way of life not only in education and in advancement of the Universe.



## Student project development

Selvan P.R.Sukrish, I year Mechanical student has developed low cost environment friendly automated sanitizer dispenser. Congratulations to student and staff coordinator and HoD for encouraging students in developing projects. He also won the first prize in National Level Paper Presentation contest conducted by Ganesn Arasan Polytechnic, Sivakasi with a cash prize of Rs.2500.

**CIICP Student services** 

The student services thrust area of CIICP has arranged facility in applying passport for 16 students are benefited by taking passports through the student service. Mr.N.Dharmaraj, Lecturer/EEE coordinated the activity.



## National board of accreditation (NBA) -

NBA, a mandatory accreditation to meet international standards in technical education. National Board of Accreditation (NBA) - NBA, or the National Board of Accreditation, is an autonomous government body that provides accreditation for various technical and professional programs of institutions across the country. The NBA is responsible for assuring the quality of education especially of the professional programmes like engineering and technology, management, architecture, pharmacy and hospitality. SIT is in the process of attaining NBA.

**Washington Accord:** The Washington accord is an international agreement between different bodies that accredits the engineering and other technical undergraduate programs. Their main objective is to recognize and facilitate the standardization of professional courses which is accredited by its member bodies. India has become a signatory member of this accord on 13th June 2014.

Washington Accord WA will create a substantial equivalence over the engineering and technical courses accredited by all its signatory members. When in full effect, the WA will improve the career opportunities of our students considerably and in turn, will have a positive impact on our national economy.

## **Effects of the Washington Accord**

- there will be an effective interchange of international resources.
- Indian students could reach for career opportunities from many foreign nations which were previously unattainable because of the lateral dissimilarities of the education system.
- Indian universities will rise to the international standards and their programs will be considered valid across the globe.

The NBA is the signatory body that represents India in the Washington Accord Kinds of institutions the NBA is relevant to. The NBA accredits programmes of following disciplines at Diploma, Undergraduate (UG), and Postgraduate (PG) levels for Engineering & Technology and other disciplines. The NBA accredits programs, not institutions.

The NBA operates a two-tier system of accreditation for all the programmes under its concern. The TIER-I system has been designed for the technical programmes offered by autonomous institutions and university departments better, while the TIER-II system is fine-tuned for the needs of the non-autonomous institutions affiliated to a university. Kinds of institutions the NBA is relevant to.

## Accreditation process:

a. The institution starts preparing for accreditation by forming various committees, monitoring different variables, including assessments, outcomes, and their attainment.

b. The institution applies for accreditation, and submits the necessary documents including the self-Assessment Report (SAR).

c. The NBA accepts the application, evaluates the SAR, and a peer team appointed by the NBA visits the institution for assessments and evaluations.

d. The institution gets/ don't get accreditation for their programs.

e. The processes of continuous evaluation, self- assessment, and other practices for quality assurance continue. The accreditation process of the NBA can mainly outlined into these 5 major steps.

Accreditation practices are heavily based on Outcome based education. Outcomebased education (OBE) is a theory that bases education around pre-defined goals (outcomes). By the end of the educational experience, each student is expected to have achieved that goal.

Outcome based accreditation. Outcome based accreditation is essentially comprised of a range of skills and knowledge that a student will have upon graduating from the program. These outcomes are also aligned with graduate attributes (skills a graduate should have achieved by the end of the program) of Washington Accord.

**Quality assurance inside institutions with OBE**: The quality assurance inside the institution is done by evaluating and deciding certain desirable outcomes. Namely, Course Outcomes (CO) Program Outcomes (PO) Program Educational Objectives (PEO), Program Specific Outcomes (PSO) etc.

Quality assurance inside institutions - Program Outcomes (POs): As stated by NBA, represent the knowledge, skills and attitudes the students should have at the end of a four year engineering program in India. The Course Outcomes (COs): They are the resultant knowledge skills the student acquires at the end of a course. It defines the cognitive processes a course provides. Program Educational Objectives (PEO): PEOs are broad statements that describe the career and professional accomplishments in five years after graduation that the program is preparing graduates to achieve. Program Specific Outcomes (PSO): PSOs are statements that describe what the graduates of

**Self-Assessment Report (SAR):** Self-Assessment Report (SAR) is compilation of such data and information pertaining to a given program for its assessment (identifying strength and weaknesses) vis-à-vis accomplishment of defined POs and PSOs by the college itself.

The SAR has two parts Part –I seeks Institutional /Departmental information. Part –II seeks information on The nine criteria, Programme Educational Objectives(PEOs), Programme Outcomes(POs), Programme curriculum, students' performance, Faculty contributions, Facilities and technical support, Academic support units and teaching-learning process, Governance, Institutional visit. Once the institution has submitted the SAR along with their application, the NBA will decide on an evaluation team- a team that consists of a chairperson for the entire team and one or two evaluator(s) for each programme. The team will carefully examine the SAR and submit a pre-evaluation report to the 'e-NBA' on their insights and observations based on the SAR. AICTE in its 49<sup>th</sup> Council meeting has recorded that NBA accreditation is mandatory for at least half of the programs held on 14-03-2017. (Ref. MOM Page 5, Point no.9)

**Mandatory accreditation:** At least half of all the programmes in the technical institutions shall be accredited through the NBA before 2022. Unless there is credible progress each year, the approval of the institutions can be refused. In order to assist the institutions in meeting the mandatory requirements for applying for accreditation, a separate mechanism will be put in place"

Various foreign universities and Companies are asking for NBA accredited status of the institution last studied

DOTE has also mandated to get NBA accreditation in order to maintain the Autonomous status.

SIT appointed M/s.Aassan Educate as Consultants for NBA project on 11-12-2021

**Initiation of NBA Process** : On 16-12-2021, Prof.R.Mahadevan, CEO & Consultant, Aassaan Educare inaugurated and addressed faculty and staff about the need for NBA and essential things to be taken care to apply.



On11-12-2021, Dr.K.Vijaykumar Principal ic handing over the contract copy to Prof.S.Sivakumar,Vice President & Senior Adviser and Sri.D.Sivakumar, Asst.Vice President, Aassan Educare Foundation appointing them as consultants in the presence of Sri.G.M.Rajendran, Hon.Secretary. Sri.S.Kathiravan, Lecturer, Dr.V.G.Ravindhren Vice Principal were also present on this occasion.





On 27-12-2021, Trichy District Chess Association conducted Fifth State Level Chess Tournament for the children at SIT. Hundreds of students from several schools participated enthusiastically. Several students were awarded at the end of the tournament. SIT & SITAA congratulate the winners.





Selvan S.Md.Farook, Final Year EEE Student has been selected for Rublic Day Parade-2022 programmed on 26-01-2022 at New Delhi.

Painting practice for women painters at our Kovalakudi House (SIT Hostel quarters) by NIPPON Paints in line with MOU SIT had with Nippon Paints.



Mr.Jefri Marcelin brother of Mrs.Lydia Christy our faculty, sponsored scholarship of Rs.21,000 to two students Selvan.B.Karthik, Final Year Mechanical and Selvan Akashraj Second year Civil. SIT thank Mr.Jefri Marcelin for his gesture.

SIT donated a jet motor with pump to Ariyamangalam panchayat Union Middle school as part of our social responsibility for their usage to pump the water.

Hostel Compound wall was constructed on eastern side of the hostel as it was at very low level



## **GS-ANC Open Air Auditorium**

Construction is completed. Flooring, Plastering, plumbing, painting, electrical fittings are yet to be carried out with a target completion by 18-01-2022



**Paper Technology Industrial Laboratories funded by SPB & SITAA** Plastering, flooring completed. Electrical wiring and painting is yet to be carried out with an anticipated completion by Mid January 2022.

#### SIT STUDENTS EXCEL.....



Mr. Jeganraj, an alumnus of SIT ICE, 2020 batch won three gold medals in variuos competitions at the State Level Silambam meet. SIT & SITAA congratulates the alumnus to attain further heights.

Our students have won the first place in the Football tournament conducted by All India Football Federation





Selvi.P.Kowshika Final year EEE student won First place in State Level Yoga Chamionship. SIT & SITAA congratulates the student.

NCC cadet Selvan T.Santhosh, of Final year Mechanical Engineering has participated in the Rock climbing competition held at Gwalior from Nov 7 to Dec1

**Sri.G.V.Shankar, President & CEO Connect Corp Inc**. Canada visited SIT on 31-12-2021. He briefed the opportunities available at International Educational Institutions and Industrial Organizations for our students after completion of the diploma courses with few mandatory requirements are fulfilled. He will be joining hands with SIT towards enhancement of placement or continuing higher education of the students. Sri.G.M.Rajendran, Dr.K.Vijaykumar, Dr.VG.Ravindhren attended the meeting. Sri.G.Pathanjali, Managing Director High Energy Batteries and Sri.Chandrasekar, Connecti Corp, India were present during the discussions. He had agreed to send the details to start with. SIT will be eager to meet the requirements and arrange the needful.



Selvan G.Vijay Saanthos of final year Computer Engineering has won second position in the Individual Silambam State level competition held on 24-10-2021

SIT & SITAA Congratulate the winners and wishes to achieve further laurels in their career.

As a mark of respects, on 31<sup>st</sup> October 2021, the tenth memorial day of (late) Sri.Ananthanarasimhachar, Former Principal, SIT our Alumnus Sri.K.Moorthy, 1988 Civil Branch presented his poetic garland......

## கடவுளாய் வந்தாய், எங்கள் வாழ்வில்

கதவுதனை திறந்தாய்...கல்விக் கதவுதனைத் திறந்தாய்...

அறிவுதனை ஊட்டி..

அகண்ட அகிலத்தில், ஆனந்த வட்டமிடச் செய்தாய்...

பெற்றவர்கள் பிள்ளைகளை எண்ணி பெருமைப்படும் காலத்தில்... பெறாதவர்களையும் பிள்ளைகளாய், பெருமையாய் பார்த்த பெருமானாய் நின்றாயே...

திருமானாய், திருமாலாய், தினம், தினம் எண்ண வைத்தாயே மனதினுள்...

சர்க்கரையின் சுவை பாலினில் கரைவது போல்... பால் மனம் கொண்ட உன் மனதில் கரைய வைத்தாயே எங்களை...

பூத்தாய் புன்னகையில் .. காத்தாய் தாயாய்...சேயாய் நின்றோமே நின் நிழலில்...

பூவாய் மணம் வீசினாய் ... கனியாய் தந்தாய் கல்வியை...

கரம் கூப்பி, நினை நினைந்து நிற்கின்றோம்... இந்நாளில்...

SIT and SITAA joins in offering our respects to the Noble Teacher

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# SIT ALUMNUS EXELS INTERNATIONALLY.....



Sri.Senthamil Selvan, D.M.E.,M.I.E.,M.S.

Sri.Senthamil Selvan Murugesan alumnus SIT, 1983,DME, did his graduation from The Institute of Engineers (India) through their membership exams and have got his MS from BITS-Pilani.

Having 37 years experience in several areas of business operations viz. Plant Engineering, Cement Plant layout engineering and equipment selection, Industrial Project Execution, Construction Management, Project & Contract Management, Plant Operation & Maintenance, Quality & Safety Management

He started his career as Plant Engineer in Chettinad Cement Corporation Ltd. Karur, Based on which he got appointment in Southern Province Cement Company, Jizan, Kingdom of Saudi Arabia as Mechanical Foreman.

As Deputy Service Engineer he served in Raasi Cement Limited, Hyderabad followed by his service in India Cements Limited, Hyderabad, Chettinad Cement Corporation Ltd. Ariyalur as Senior Manager.

By 2008, he joined as Project Manager in A.P. Bava Construction Company LLC. Dubai. UAE and rose upto Vice President Operations in 2019.

HAPBCO (Hajee A.P. Bava Construction Company) is one of the leading Industrial construction Companies in India having successful record of 60 years of Services in Cement, Steel, Chemical, Power, Sugar, Minerals and Petro-chemical industries with more than 10000 Employees, having its Offices in Hyderabad, Bangalore, Ahmedabad, Bhubaneshwar, Udaipur, Nepal, Dubai, Muscat and Nairobi.

Presently he is CEO, HAPBCO LLC., Muscat. Oman and Director Hajee A.P Bava & Co. Kenya Ltd as Head Business & Operation for Oman and Africa.

**Sri.Edwin Gasparraj, alumnus 1988 Mechanical** is now "Owner and Principal Consultant" of SIXDIGMA LLC, Mason, OH, USA.

SIT & SITAA is proud to have Sri.M.Senthamil Selvan and Sri.Edwin Gasparraj as our alumni, wish them more successful in their endeavor and reach further heights in respective fields. They are the cohorts of SIT & SITAA.



**Sri.Arivalagan,** our Alumnus, 1979 Civil batch donated 100 Chairs to the benefit of students. Value of the chairs is around Rs.4 lakhs. He earlier contributed Rs.5 lakhs in 2017 for arranging a smart class room.

#### Commendable gratitude of our Alumni contributed to SES

Sri.Senthamil Selvan, alumnus 1983 Mechanical branch contributed Rs. 1 lakh to SES Building fund. SIT and SITAA wholeheartedly thank the alumni supporting SIT for its enhancement.

Alumni of different batches have contributed their might, to the construction of auditorium. The same will be recorded in auditorium which will be known to forthcoming alumni.

1988 Civil batch coordinated by Sri.N.Prasanna Venkatesh contributed an amount of Rs. 50,000 for construction of auditorium. Their dedication and sincere efforts in construction of this auditorium is highly commendable. SITAA thank the coordinators......

## OBITUARY



SIT & SITAA convey its heartfelt condolences to the bereaved family of faculty, SIT / alumni SIT who made us proud.

**GS-ANC Open Air Auditorium- Appeal** – As all of you are aware, President, SITAA made an appeal requesting our alumni to contribute their mighty, for the noble cause of construction of open air auditorium with bust size statues of Sri.GS and Sri.ANC in SIT Premises.

At present the construction of auditorium is completed. Now all finishing work, front elevation, flooring of the stadium, flooring required for audience area, furniture and bust size statues of Sri.GS & Sri.ANC are to be arranged.

Cheques favoring "Seshasayee Educational Society', Tiruchirapalli may please be forwarded to "Hon.Secretary, Seshasayee Institute of Technology, Ariyamangalam, Tiruchirapalli-620010", with a covering letter furnishing your contact address, PAN details. SES will issue the cash receipt to avail income tax exemption for the contributed amount under 80-G. Bank details are furnished below:

### Bank details

Name of the bank –	City Union Bank,
	Cantonment Branch
	MDS Plaza
	98, Promenade Road
	Tiruchirapalli-620001
IFSC -	CIUB0000153
Account number	500101010269425
MICR	620054004
Account Name	Seshasayee Educational Society (Building Fund)

email Upon making contribution, please your send an to gmr.sit@gmail.com or а letter addressed to Sri.G.M.Rajendran, Hon.Secretary, Seshasayee Institute of Technology, Arivamangalam, Trichy-620010 with your PAN, Contact address so that cash receipt can be issued. All are requested to go through our website in which latest members list of SITAA has been published.

As of now, SIT is planning to celebrate its 70<sup>th</sup> Annual day and inauguration of GS-ANC Auditorium with busts of GS-ANC erected, on 28<sup>th</sup> January 2022. Invitation will be sent through email around Mid January 2022 with a request your participation. SITAA seek your continued cooperation to do the best to SIT and its students.

With best wishes and continue to meet you at our institution Stay Safe.... Stay Healthy.... Have a Nice Time Ahead