

Nexuz'19 Report

NEXUZ'19, The 2 day International Summit on Applications of Engineering in Sports was conducted on the postponed dates of 11th & 12th October, 2019, owing to the flood condition of the State in August (the initial dates were August 16th & 17th, 2019). It was jointly organized by MBCET and LNCPE (Lakshmibai National College of Physical Education, Kariavattom).



NEXUZ - a brand new and unique undertaking of IET-MBCET On Campus, was crystallized with the goal that one has to find their profession by following their passion. It intends to bring awareness to our budding engineers, the explosive opportunities that engineering can offer when linked with other vocations. The multi-day event with an assortment of forums, discussions and exhibits focuses on enhancing one's knowledge in the applications of Engineering in an alternating chosen field. The NEXUZ idea was conceived and developed by the IET MBCET Core Team comprising Ms. Jomole Joseph (Faculty Coordinator & IET-MBCET On Campus Facilitator), Mr. Adhitya S (IET KKLN YP Secretary & IET-MBCET Ex-Chairman), Ms. Ashwini Kammath (IET-MBCET Chairman), Mr. Joseph John Panicker (IET-MBCET Secretary), Ms. Mekha Nair (IET-MBCET PR Manager) & Mr. Aravind H (IET-MBCET Treasurer). The team chose "Sports" for their first venture in NEXUZ.



NEXUZ'19 Timeline



The **MoU** was signed by the Heads of the Institution – Dr. T M George - MBCET & Dr. G Kishore - LNCPE who had jointly partnered for the event on 12th March, 2019. The agreement was signed in the presence of Fr. John Vilayil - Bursar, MBCET, Prof. S Viswanatha Rao, Vice Principal MBCET, Prof. Shajilal A S, HOD EEE, Ms. Elizabeth Varghese & Mr. Deepak Raj (NEXUZ'19 Organizing Member Heads), Ms Jomole Joseph - MBCET and Dr. Joselet Charles - LNCPE (General Conveners of the event), Mr. Adhitya S – Event Coordinator and other distinguished guests from LNCPE.



The **Logo of NEXUZ** was officially launched on April 24th, 2019. Dr T M George (Principal MBCET) launched the NEXUZ logo, Dr G Kishore (Principal LNCPE) elaborated on the LNCPE collaboration and Mr Sanjiv Baranwal (Director-Infra, SAI, New Delhi) launched the NEXUZ'19 teaser. Winner

of the Logo Design contest, Mr Kevin John Mathew (ECE, 2015-19, MBCET) who designed the logo of NEXUZ was awarded certificate and a cash prize by Rev. Fr. John Vilayil (Bursar, MBCET).

Other partners of NEXUZ'19 were Sports & Management Research Institute (SMRI) – Resource Partner, Physical Education Foundation of India (PEFI) – Networking Partner, Big FM – Radio Partner, Yepdesk – Online Event Managing Partner, Indus Cycle Embassy – Exhibits Partner, Kerala Startup Mission (KSUM) – Technical Partner for Nexuz Idea Presentation and Lion Gym – Sponsoring Partner for Young Presenter Competition.



NEXUZ SPORTSWEEK

The Nexuz Sportsweek was launched as a Promotional event for NEXUZ'19 in the month of August, 2019. It showcased Chess and Football tournaments for schools, colleges and public. The Nexuz team made it a mandatory inclusion of involvement of differently abled community in every aspect of the NEXUZ'19 event. Hence the event was also inaugurated by a specially talented Champion.



NEXUZ Sportsweek was conducted from August 5th - 10th, 2019. The event was officially inaugurated by Chief guest – Mr. Mohammad Salih P K, Silver medalist at the Asian Para Games 2018, Men's Team Rapid Chess event, International Visually challenged chess player.

Ms. Christi Francis and Mr. Deepak Raj from the Dept. of Physical Education, MBCET organized the events for NEXUZ Sportsweek. The Student Coordinators of Sportsweek were Akhil Reji George and Febi Shine B S (S7 EE).



All Kerala Chess competition was conducted for students from schools and colleges in Mar Gregorious Renewal Centre. Students from JYOTHIRGAMAYA (Foundation for the blind) and their chess coach Mr. Balram attended the event. A special **Self Defence training session** was conducted for them by Dr. Sanjeev S Patil (LNCPE) in Shannon Hall, MBCET. The session was coordinated by the Sports for Differently Abled Team led by Ms. Lani Mathew, Ms. Amritha &



Ms. Hema (ECE), Mr. Aswin R B (EEE), Mr. Ravish (ME) & Ms. Priya (CSE, Tech staff). The M.Tech. students of MBCET and NEXUZ Student Coordinators – Mekha Nair & Midhun M S, assisted the Jyothirgamaya inmates during the session. Students from MBCET also presented various projects on sports for the differently abled. There was an inaugural chess match between Mr. Mohammad Salil and Mr. Balram.

Around 70 participants in two categories (Under-17 and Open Category) were present for the event. The competition commenced in the morning and continued till evening. The presence of Mohammed Salih, Paralympic medal winner, added glitz to the event. An exhibition match between Mohammed Salih and six participants, at a time, was also conducted.



All Kerala Inter-School and Inter-Collegiate Football Tournament were held from 6th-10th of August. The first rounds of the Inter-School were held at the Mar Ivanios Ground, Nalanchira and the final rounds were held at LNCPE Athletic Ground, Karyavattom. Inter-Collegiate Football tournament was held at LNCPE Football Ground, Karyavattom. 54 teams from all around Kerala participated in the tournament. The final of the Inter-School Tournament between St. Joseph's HSS, Thiruvananthapuram and GHSS Panampilly Nagar, Ernakulam was held at LNCPE Athletic Ground on the 9th of August. The match was a true show of strength of both the teams that it needed a penalty shootout to separate the teams, eventually won by St. Joseph's HSS. The prize distribution ceremony was inaugurated by Fr. John Vilayil, Bursar, Mar Baselios College of Engineering and Technology. The function was presided over by Dr. G. Kishore, Principal, LNCPE. Fr. Raju Parakkoor, Asst. Bursar, MBCET, Mr. Pradeep Dutta, Asst. Professor LNCPE, Mr. Narendra Gangwar, Asst. Professor, Mr. Joselet Charles, Convener Nexuz'19, Ms. Jomole Joseph, Convener Nexuz'19, Ms. Christi Francis, HoD Physical Education Dept. MBCET, Mr. Deepak Raj, Asst. Director Physical Education Dept. MBCET, Mr. Akhil Reji George and Mr. Febi Shine B S, Main Co-ordinators Nexuz'19 Sports week were present. The Vote of Thanks was given by Mr. Akhil Reji George. The prizes for the winning team and runners-up were distributed by Fr. John Villayil and Fr. Raju Parakkoor respectively. MG College, Trivandrum and NSS College, Manjeri fought out for the Nexuz'19 All Kerala Inter-Collegiate Football Tournament at LNCPE Athletic Ground on the 10th of August. The match was won by MG College winning over NSS Manjeri by a 2-goal margin. The Chief Guest for the final was Mr. Jo Paul Ancheri, Former Indian Footballer. Mr. Jobby Justin, Indian footballer added glamour to the ceremony. The prizes were distributed by Mr. Jobby Justin and Dr. G. Kishore. A friendly match was also conducted with the team from NISH (National Institute of Speech and Hearing), to promote the interaction and inclusion of Differently abled community in the event. The entire event, conducted as a part of promotion of Nexuz'19, was a great success even with a short number of Coordinators and Volunteers. The sheer passion of the Coordinators under the leadership of Mr. Deepak Raj in adverse climatic conditions made the event go beyond all the expectations.



NEXUZ'19 – 2 Day International Summit

NEXUZ'19 was inaugurated on October 11th by Shri Teeka Ram Meena, Additional Chief Secretary & Chief Electoral Officer, Chief Guest and presided by His Beatitude Moran Mor Baselios Cardinal Cleemis Catholicos, Patron. Dr. T M George, Principal MBCET welcomed the gathering, Mr. Adhitya S, NEXUZ – IET YP Secretary & Event Coordinator gave the NEXUZ'19 Overview, Dr. G Kishore, Principal, LNCPE elaborated about the need for Engineers to focus in the Sports Industry, Dr. Lenin Fred, IET KKLN Chairman emphasized the need for Engineering a Better World, by reaching out to all diverse fields. The Inaugural session was concluded by Ms. Jomole Joseph, IET-MBCET Faculty Coordinator & NEXUZ General Convener with the Vote of Thanks. Around 200 delegates and participants in and around the state attended the Summit.



The formal sessions of the event were officially opened with the inspiring talk by the **NEXUZ'19 Ambassador of Sports – Mr. Joby Mathew**, Indian International Arm wrestler. He interacted with the young generation on how he surpassed his physical challenges and fought with determination and positive attitude that won him medals at multiple international events.

NEXUZ'19 Sub Events: It comprised of a consortium of 4 major events and few other competitions that connected and ensured active participation of engineering students in the field of Sports engineering.

XPRESS – A platform for panel discussions, hosted by faculty Ms. Keerti S Nair (EEE), Dr. Neeradha (S&H), Mr. Jomy Joseph (CE) and student coordinators headed by Ms. Aleena Mathew (EEE, S7). The event presented 2 panel discussions. On Oct 11th, the discussion was on **“Inclusion of Sports Education in Engineering Curriculum”**. The panelists included KTU Vice Chancellor Dr. Rajasree M S, Shri. S Gopinath IPS (Retd.), Dr. Amit Malik, VP, ELMS Sports Foundation, Shri. Jayasankar Prasad, Managing Director, Kerala state IT Infrastructure Ltd, Dr. Indulekha Asst.Prof, IMT, Shri. Anil Kumar, Chief Operating Officer, Senior VP – Taurus India, who was also the coordinator of 35th National Games held in Kerala, and parent of MBCET Alumni – Mekha Anil (CSE 2014-18).

On Oct 12th, XPRESS organized “**Interdependence of various domains of Sports and Issues related**”. The panelists included from different domains of sports, and addressed various concerns and promises that sports industry showcased in the country. The panelists were Dr. Sakeer Hussain, Director, DPE, University of Calicut, Dr. G Kishore, Principal LNCPE, Dr. R Sambath, HoD & Director of Education, Coimbatore Inst. Of Tech. and Nexuz Networking Partner PEFI, Mr. Sijin B T- Chief Sports Architect of SMRI, NEXUZ Resource Partner, Dr. Sanil P Thomas – Sports Journalist, Dr. Pradeep R Pillay – Sports Scientist and Mr. Manivanan Anbalagan - CEO of Zenminds Technologies. The session was appreciated by special guest Er. Jayakumar A from Govt. of India who briefly attended the talk.



XPERT TALKS – the sessions handled by seasoned experts from Sports Industry enlightened the audience on the technological advancements in sports field. The event was handled by Ms. Manju Sreekumar (EEE), Dr. Shalu George (EEE), Mr. Midhun G (EEE) and the student coordinator Ms. Sanjna Pramod (S7 EE). The Expert Talks were:

- Dr. Indulekha R, Asst. Professor, Institute of Management and Technology, Alappuzha spoke about the various Career Opportunities in Sports
- Dr. Amit Malik, Vice President, Strategy, Knowledge management and partnership, ELMS Sports Foundation spoke about the Importance of Technology in Sports
- Dr. Arshad P, Diasman Sports Medicine Centre took a Hands on session on “Sports Medicine” and expressed his concern of lack of interest of Engineering graduates in this field because of which India lags Development in this area.
- Mr. Pradeep R Pillai, Centre Head, Transtadia Sports Performance Enhancement Centre, Ahmedabad presented about “Physical literacy and Sports Technology”. He spoke on the various Innovative products his company develops in Sports Technology.

- Ms. Laxmi S Pandrala shared insight on Nutrition and its role in fitness, and stressed on the importance of Balanced diet for people involved in Sports.
- Mr. Manivannan Anbalgan, Founder, Zenminds Sporting Technology spoke on various areas related to sports where Engineering graduates can provide a positive impact.
- Ms. Sujina S Babu, Founder of Nilavu Foundation, International Taekwondo Champion conducted a motivational talk session and shared her experiences and challenges that she faced and how she overcame all the challenges. The talk was very much inspiring.
- Mr. Faruk Musema, Football Coach from Uganda conducted a talk session on differently abled and his view on how to change other people's attitude and perspective towards differently abled people. He also conducted a sitting volleyball session in which the delegates participated.



XCEL - International Seminar on Advances in Science, Engineering and Technology in the field of Sports. This paper presentation competition served as a looking glass to the technologic and futuristic approach sports require from engineers. 14 participants presented their papers in the Seminar in the fields of Sports Analytics, Sports broadcasting and technology, Sports infrastructure, Sports nutrition and Sports for differently abled. The presented papers have been published in the UGC approved International Journal of Physiology, Nutrition and Physical Education, as a Special Issue, Volume 4, Issue 2S, 2019, ISSN:2456-0057. The XCEL was organized by Ms. Sheenu P (EEE), Ms. Soumya A V (EEE) and Student Coordinators Mr. Midhun M S, Ms. Reshma Pramod (S7 EE).

- Dr. S Jayaraman was awarded the Best Paper Award for his paper titled "IMPLICATION OF GPS, GOOGLE EARTH AND GIS ON PREPARATION OF ELITE ATHELETES".
- Best Scholar Award was presented to paper E-gloves: Wearable assistance in sports training. Authored by: Akhil P Nair, Lavanya Nair, Govind Mohan, Shalini Nair J, Jinu Baby, ECE Dept, MBCET.

XPO – This event comprised of many sub events organized for college and school students – Project Competition, Idea Presentation, Young Presenter and Cycworld. The Expo saw a congruence of projects and ideas from young engineers. XPO Student Head was Mr. Sanjo Santhosh (S7 EE).

- Project Exhibition open to College students & professionals to exhibit their prototypes and models that use technology for sports application – coordinated by Student Head Mr. Jerin Sam (S7 EE), and faculty - Dr. Vinod V, Sr. (ME), Mr. Remil George (ME). Winners of the contest were Mr. Vishnu P Kumar (1st prize, S3 EC) – Chessboard for the Blind, 2nd prize - Abhijith A (S3 EE1), Ananth A J (S3 EE1) (2nd) – Detector for stumping & runout in cricket. Judges were Dr. Jiju Kurien, Assoc. Prof, HOD, Phy. Ed., Mar Ivanios College. & Mr. Benjamin (Alumni, ECE)
- Idea Presentation – Idea presentation competition for College students & Professionals encouraged the participants to present their innovative ideas that use technology to assist sports - organized by Student Head Mr. Jobby Johnson (S7 EE) and faculty – Ms. Luxy Mathew (ECE), Ms. Ancy Anselam (ECE). Winners were: 1st Prize, Team Members - Abhijith A, Ananth A J, Vishnu J B, Rahul S Nair from S3 EE, “Detector for stumping & runout in cricket.” 2nd Prize, Team Members - Deepthi G A (S5 EC), Gokul G S (S3 EC), Navaneeth Krishnan (S5 EC), Athul Raj A (S7 EC), “Track follower for Blind Long Jumpers”. The judges were Ms. Christy Francis (HoD, Phy. Ed.), Ms. Bhadra Priya (Green Valley School) and Mr. Anand (Trinity College) representing KSUM, Technical partners of NEXUZ’19.
- Young Presenter – A presentation competition for school students to present their technical ideas related to Sports - handled by Mr. Aneeth (S7 EE) and faculty – Ms. Devipriya (CSE). The winner was Aryan A, 6th std, MGM School, “Innovation of Sports – Cosmetic Prosthetics”. The judges were Dr. Neethu Roy, Asst. Dean (R&D) and Ms. Devipriya (Asst. Prof. CSE).
- D-Hackathon – a 6 hour design hackathon related to Sports, though organized was cancelled due to insufficient number of participants. The event will be taken up again for next NEXUZ, to inculcate the culture of participating in Hackathons with diverse nature.
- Cycloworld: Through Cycloworld, NEXUZ received widespread acceptance for choosing cycles and the awareness about it as the special theme for NEXUZ’19. Many interesting competitions were held in this event. The Indus Cycling Embassy group brought vintage and unique cycles for showcasing. The SMRI Institute organized the Cycle Repario contest, where the contestants had to dismantle and reassemble a cycle in the shortest time span. The winner was Harikrishnan (S5 EE1). Cycle Story - An online contest was conducted where people posted their stories connected with cycle. Winner of the contest was Karthik Mohan (S5 EC1). An informal game on Brain Cycle was also conducted, by which the contestants had to attempt driving a bicycle cycle that turns left if you turn the handle right. The creator of this Brain cycle, Mr. Muhamed Musadhiq also visited the campus to watch the informals.

The Cycloworld event was organized by Mr. Noel Jacob and Mr. Balu Bijubal, S5 EE, the upcoming team of IET MBCET Office bearers. Faculty Coordinator was Mr. Unnikrishnan (ME).



A visit was organized to LNCPE for the delegates to see various equipment and lab setup in the college, on Oct 11th evening by Dr. Joselet Charles and team, followed by a Gala dinner. The MBCET Music Club team of students led by Faculty Coordinators Mr. Midhun G (EEE) & Mr. Jomy Joseph (CE), showcased their talents at LNCPE.

NEXUZ'19 – the 2 day eventful summit came to an end on Oct 12th, with the Valedictory function at Shannon Hall. The NEXUZ Report was delivered by Ms. Jomole Joseph, General Convenor. Prof. Viswanatha Rao, Vice Principal MBCET spoke about the forward journey of NEXUZ'19 and how the college would be looking into the concept of collaborating technology with Sports. Dr. G Kishore, Principal LNCPE discussed about the NEXUZ'19 outcome, and how it can make a revolutionary change in the country, on the perspective of developing the Sports Industry with technology in hand. He assured future collaboration of LNCPE with MBCET on the same note. Few Speakers and delegates of NEXUZ'19 gave their feedback of the event. The function concluded with Vote of Thanks delivered by Ms. Ashwini Kammath, IET-MBCET Chairman.

With the culmination of all these proceedings that lasted for 2 days, the NEXUZ team look forward to make a revolutionary impact in sports industry with the inclusion of technology.

NEXUZ Gallery













